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62.23

82nd ANNIVERSARY 1958

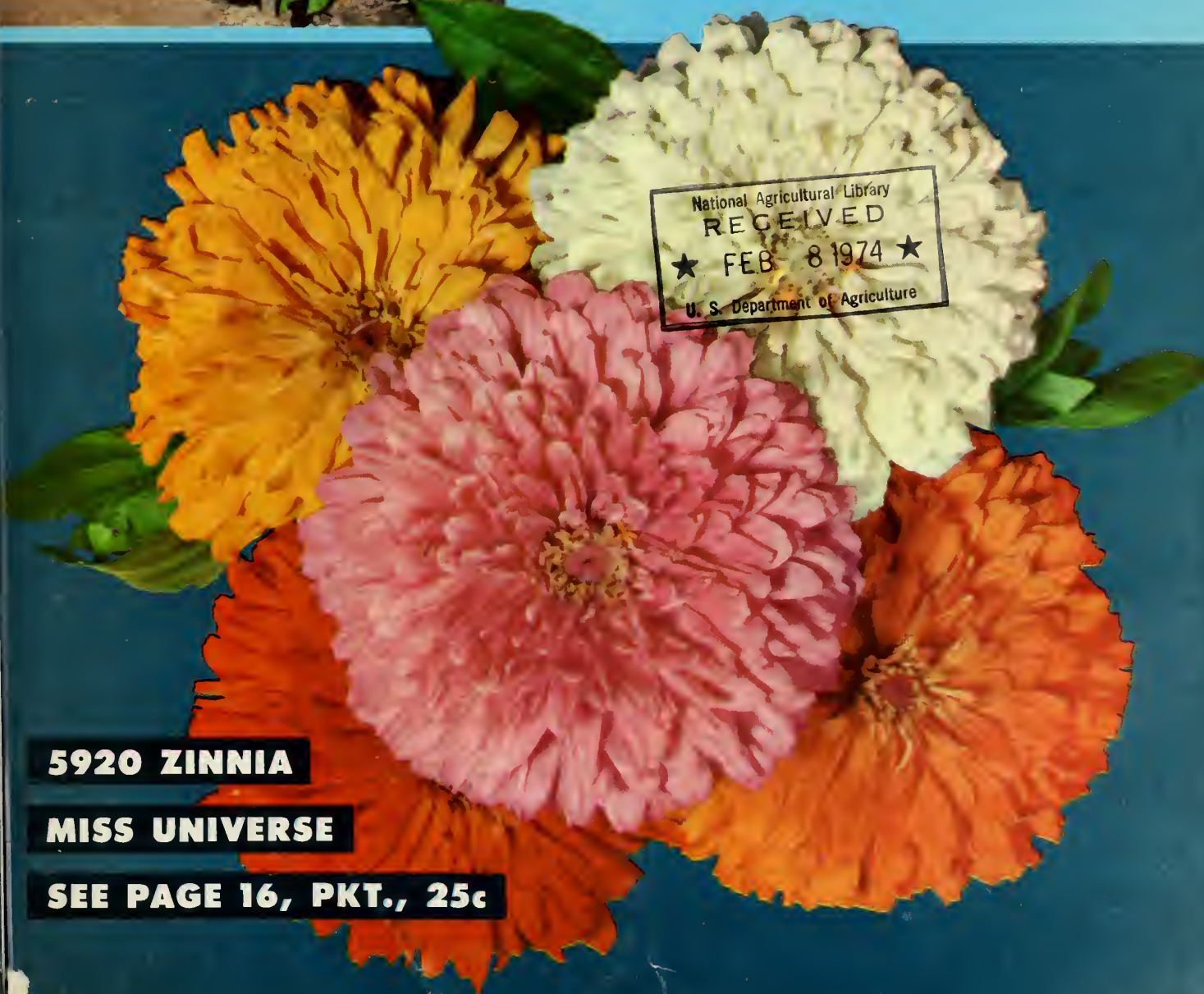


Vaughan's

GARDENING ILLUSTRATED

10 W. Randolph St.
Chicago 1, Ill.

24 Vesey St.
New York 7, N. Y.



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5920 ZINNIA

MISS UNIVERSE

SEE PAGE 16, PKT., 25c

1958 Champions

Red, White & Gold

All 3 (Value \$8) for \$7²⁵

FUSILIER

Offer No. ACC8

Three roses, illustrated on this page, won awards in the All America Rose Selections for 1958. They are splendid examples of the favorite colors of rose growers, outstanding in size, form and color brilliance.

FUSILIER AARS 1958 (P.A.F.). Floribunda. Deep red buds open into flaming orange-scarlet flowers with a luminescent quality which makes the color more brilliant. The flowers have frilled edges, are 3 to 3½ inches across

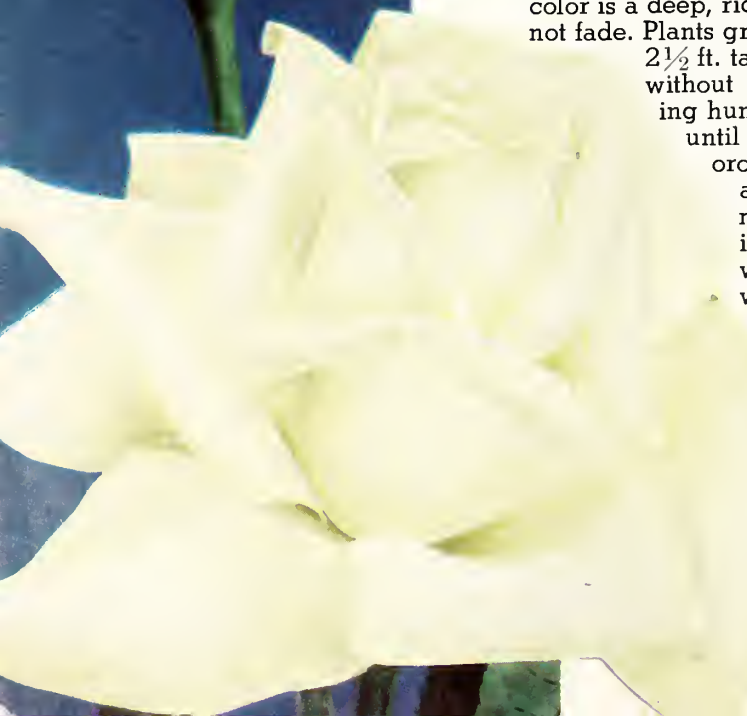
and produced in clusters. Plants are of medium height, full and bushy. Early foliage is red, turning to glossy dark green. This new beauty is constantly in bloom and makes an outstanding accent plant. **\$2.50; 3 for \$6.75.**

WHITE KNIGHT AARS 1958 (Pat. 1359). Hybrid Tea. The only white hybrid tea Rose ever to win the All-America award. The buds are perfectly pointed, elegant and aristocratic in form. They open to a magnificent, satiny pure white rose, 5 inches across, that does not fade or "ball" in bad weather, but stays white until the last petals drop. It blooms freely and continuously on long strong stems, excellent for cutting. The plant grows upright to 3 ft. or more, is hardy and has disease-resistant foliage. **\$3.00; 3 for \$8.25.**

GOLD CUP AARS 1958 (P.A.F.). Floribunda. Its flowers are 3 to 3½ inches across, beautifully shaped and sweetly fragrant. The color is a deep, rich gold that does not fade. Plants grow bushy, about 2½ ft. tall and are never without flowers, producing hundreds from June until frost. Hardy, vigorous, disease resistant, with ornamental glossy foliage, this is a prize winner you will want. **\$2.50; 3 for \$6.75.**

DELIVERY: All orders for ROSES which totals \$3.00 and over for shipment to one address will be delivered prepaid in the U.S.A. With ROSE orders for less than \$3.00, add 35c for postage and handling. (No Roses are shipped C.O.D.).

SEE PAGES 12-13 AND 80-81 FOR COMPLETE LIST OF ROSES



WHITE KNIGHT

GOLD CUP

The New Everblooming GRANDIFLORA ROSES

So many new roses do not fit the classifications already in use, that a new class has been established by rosarians, called Grandifloras.

Merits of both Everblooming Hybrid Teas and Floribundas are combined in Grandifloras, of which those listed on this page are the outstanding examples so far produced.

In size of flower and length of stem, grandifloras surpass floribundas, but both share the delightful habit of bearing flowers in clusters. More and bigger flowers, on taller bushes, reward grandiflora growers. Plants grow tall enough for background use in borders, while stems even in clusters are long enough for flower arrangements.

BUCCANEER (Pat. 1119) This moderately fragrant, brilliant flashing yellow has lots of pep and is unfading in the hot summer sun. Healthy dark green foliage. **\$2.50**, 3 for **\$6.75**.

CARROUSEL (Pat. 1066) A happy rose with perfect, dark velvety red blooms, long lasting on the bush and also when cut. Extremely resistant to heat, drought, mildew and blackspot. It was recently awarded The Gold Certificate by the American Rose Society. "in recognition of superior performance in American gardens". **\$2.00**; 3 for **\$5.50**.

DEAN COLLINS (Pat. 1279) "The Lazy Gardener's Rose." So called because it is a "toughy" and will perform beautifully with a minimum of care. The tall plants produce an abundance of brilliant red buds, opening to full double, luminous rose-opal and carmine blooms. The summer heat does not fade this beautiful rose, but intensifies its coloring. **\$2.00**, 3 for **\$5.50**.

MONTEZUMA (Pat. 1383) A remarkably brilliant flower of distinctive scarlet-orange changing to orange-salmon in warm weather. The long tapering buds and the high centered flowers are extremely long lasting when cut. They are borne in profusion on tall free-branching plants. **\$2.75**, 3 for **\$7.50**.

ROUNDELAY. (Pat. 1280). The dark red buds open to satiny brilliant red blooms of the best Hybrid Tea form but there will be three times as many. The flowers are produced on long stems, are long lasting and fragrant. **\$2.50**, 3 for **\$6.75**.

QUEEN ELIZABETH ALL-AMERICAN WINNER 1955 (Pat. 1259) It is truly a Queen, always looks so fresh and has all outstanding qualities. It surpasses every rose we know for performance and we consider it near perfect. The superb pure pink blooms actually grow richer and more beautiful with age and last longer when cut than any other garden rose. The showy, fragrant blooms are majestically set off with heavy dark green foliage. If you have the space to plant 6 or a dozen, you will never be sorry for then you will always have beautiful flowers to cut for whatever that special occasion might be. **\$2.50**, 3 for **\$6.75**.

JUNE BRIDE (P.A.F.) The first white Grandiflora. It grows with still greater vigor than other roses in this super class, and it will delight and amaze even the perfectionist gardener. It is disease resistant with holly-like foliage and it produces hundreds of fragrant white blooms throughout the season. The long pointed buds, sometimes tinged with cream, open to large beautifully formed flowers with ample substance. **\$2.50**, 3 for **\$6.75**.

OFFER B018

4 GRANDIFLORA ROSES VALUE \$9.00 **\$7.95**

4 Grandiflora roses (value \$9.00) for \$7.95. One each of Buccaneer, Carrousel, Dean Collins and Queen Elizabeth.

POSTPAID

OFFER C018

6 GRANDIFLORA ROSES VALUE \$14.25 **\$12.75**

for

POSTPAID

6 Grandifloraroses (value \$14.25) for \$12.75. One each of Buccaneer, Carrousel, Dean Collins, Montezuma, Roundelay and Queen Elizabeth.

FAMOUS PATENTED
EVERBLOOMING FLORIBUNDAS

4 FOR \$7.95

Offer D018: One each of 4 previous All American Winners listed below (value \$9.00) **\$7.95 Post-paid**.

CIRCUS (Pat. 1382). Only All-America Winner for 1956. This flower's bright yellow and orange buds open to ever-changing tones of yellow, orange, cream, apple blossom pink and bright red. All these hues of color magic are displayed together. Urn-shaped buds open to high centered blooms that are fragrant and very long lasting. Compact plants; handsome foliage. **\$2.50**; 3 for **\$6.75**.

FASHION. AARS 1952. (Pat. 789). A new color, coral-pink, overlaid with gold, which changes to clear coral then deepens to reddish tones at the finishing stage. Pointed, Oriental red buds open gradually into lovely miniature Hybrid Teas up to 3 1/2 inches across. Fragrant. M. **\$2.00**. 3 for **\$5.50**.

VOGUE. AARS 1952. (Pat. 925). This Winner of 5 International Awards is outstanding in beauty and no other rose is quite its color, a vivid cherry-coral. The beautifully formed buds open to perfect, high centered 3 to 4 inch blooms with a spicy fragrance. M. **\$2.00**. 3 for **\$5.50**.

WHITE BOUQUET AARS 1957. (Pat. 1415). This beautiful new rose has sparkling white flowers of hybrid tea size, up to 5 inches, displayed against lustrous dark green foliage. The masses of light cream color buds slowly open into pure white gardenia-like flowers with a sweet spicy fragrance. ML. **\$2.50**.



CARROUSEL

**TWO NEW
EVERBLOOMING
FLORIBUNDA ROSES**

ENCORE (P.A.F.). A cheerful soft pink Floribunda sturdy, vigorous, of medium height with glossy foliage. Its resistance to disease is above average. It is constantly in bloom all season. Flowers are dainty fourteen-petaled, 3 inches across. Inside the petals are lustrous creamy pink which contrasts pleasingly with the rose pink outer surface. **\$2.25**; 3 for **\$6.25**.

STARLET (P.A.F.) A new Floribunda of brilliant yellow. Clusters of long pointed buds open into very double, high centered flowers, with a slight fragrance. Abundant bloom comes on low compact plant. A "leading lady" among yellow Floribundas. **\$2.50**; 3 for **\$6.75**.

DELIVERY. All orders for ROSES which total \$3.00 and over for shipment to one address will be delivered prepaid in the USA. With ROSE orders for less than \$3.00, add 35c postage and handling. (No Roses are shipped C.O.D.)

SEE PAGES 12, 13, 80 and 81 for COMPLETE LIST OF CLIMBING, EVERBLOOMING HYBRID TEA, and FLORIBUNDA ROSES.

Now, a Vaughan's Merion Formula Lawn for **LESS** than a Second Best

This is a banner year for lawn making, thanks to lower prices for the best new grasses which turf researchers have developed. When the greater area which these new grasses will cover is considered, they produce the finest of lawns for less cost than a second best.

Figure Out the Savings You Can Make!

One pound of Vaughan's Merion Formula, costing \$1.89, will seed an area of 750 to 1,000 sq. ft. It would take 2 to 3 pounds of top grade Kentucky blue grass mixture at a total cost much higher to sow an equal area.

Three new grasses, products of scientific research, are included in Vaughan's Master Blend® of Merion Formula this year. Each contributes qualities which insure that a Merion Formula lawn will be at once the most beautiful, vigorous, uniform and enduring turf you could grow.

Why Is a Mixture of Grasses Better?

Because in any lawn area there is seldom to be found complete uniformity of moisture, soil texture and sunlight. The differences are not easily detected before the grass starts to grow. By sowing a mixture of several grasses, each with its own particular likes and dislikes, you make sure that at least one of the team will feel at home in every inch of your area.

Merion Kentucky blue grass, unquestionably the superior lawn grass for the northern states, makes up over 40% of the Formula mixture. More than a million seeds in each pound will insure that wherever it finds favorable conditions in your lawn area, this beautiful and wear resistant turf will dominate.

New Grass Discovered in Canada

Delta Kentucky blue grass, discovered by turf researchers in Canada, starts growing more quickly than Merion, because of exceptional seedling vigor. It provides a quick cover which helps its companion grasses, and if there are any places that Merion finds unfavorable, Delta takes over permanently.

Pennlawn Fescue, the hybrid grass from Pennsylvania State University, is a third string to your bow, insuring that shady places and patches of dry, sandy soil will not be thinly covered, but as fully clothed in green carpeting as the rest of the lawn.

Experience Proves Value of Mixtures

For more than a century mixtures have been preferred wherever lawns are grown. Many turf research authorities have proved by experiments that Merion Kentucky blue gives better results when sown with other grasses which will grow thickly in areas where conditions fail to meet Merion's full requirements.

Where your lawn area is favorable, beautiful Merion will take full possession. Where it might otherwise be thin, it will share the space with its partners in the formula, but rarely will such patches be detectable, so dominant is Merion's deep blue-green coloring.

FOR BENT GRASSES AND OTHER GRASSES SEE PAGE 96

Vaughan's Formula Z Kills ALL Lawn Fungi

S-304 When lawns turn brown in summer, hot weather may not be to blame. Turf researchers now agree that fungus diseases often are responsible. Many different types of these parasitic organisms are known to attack lawn grass, their spores (seeds) always present, awaiting favorable conditions.

How can you tell which of the five is attacking your lawn? It would take a microscopic examination by a trained scientist to make a diagnosis. But Vaughan's now offer a remedy which needs no diagnosis.

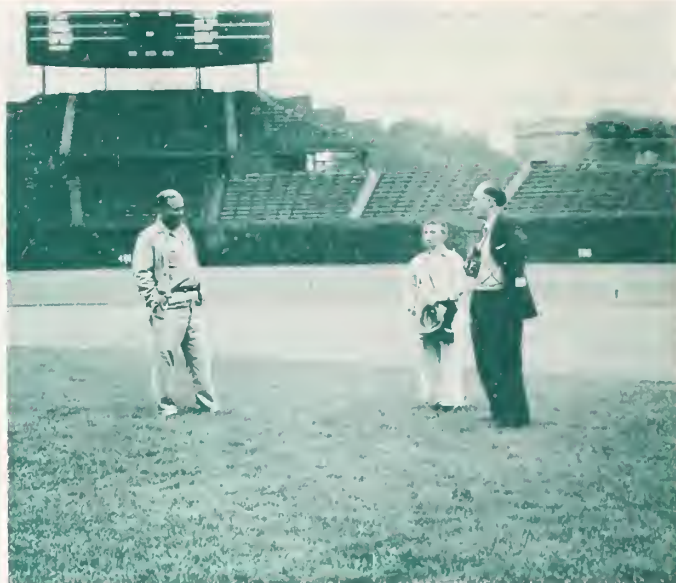
Formula Z, is a "broad spectrum" fungicide, a mixture deadly not merely to one fungus, but which prevents and controls BROWN PATCH, DOLLAR SPOT, COPPER



SPOT, RED THREAD (PINK PATCH) AND LEAF BLIGHTS, such as incited by Helminthosporium and Curvularia.

When fungi attack grass leaves they destroy the chlorophyll which makes grass green. This may or may not kill the plant. When Formula Z kills the fungi the living grass roots quickly send up new leaves, and your lawn is soon green again.

Formula Z contains urea, which stimulates this new growth. Its dark green coloring improves the appearance of the grass during its recovery from the attack. Protective spraying with Formula Z prevents fungi from getting a start. 8 oz., treats 2,000 to 4,000 sq. ft., \$3.45; postpaid \$3.75; 5 lbs., \$24.50; postpaid \$24.95.



See Merion at Chicago Cubs' Ball Park

Supt. Marcantonio says: "For four years Merion has stayed greener and taken more wear than any grass we ever grew. It's beautiful, and TOUGHER, too."

Merion is also used on the playing fields of Purdue, Notre Dame, and Michigan State Universities; West Point Military Academy, Brooklyn's Ebbetts Field, and New York Yankees' Stadium.

VAUGHAN'S MASTER BLEND® OF MERION FORMULA

A mixture of the latest and best grasses now available for planting, including over 1,000,000 seeds of Merion per pound of mixture. Also includes Delta Kentucky Bluegrass, and product of turf research in Canada, and Pennlawn Fescue, developed by 18 years scientific research at Pennsylvania State University.

1 lb. \$1.89; 3 lbs., \$5.60; 5 lbs., \$9.15; 10 lbs., \$17.80; 25 lbs., \$43.50; 50 lbs., \$85.00; 100 lbs., \$168.00. 1 lb. covers 750 sq. ft., 3 times as much as standard blue grass, costing no more to sow an equal area. Prices prepaid in U.S.A.

MERION KENTUCKY BLUE GRASS

For those desiring straight Merion Blue Grass we offer as follows. One pound will sow 750 sq. ft.

1 lb., \$2.15; 3 lbs., \$6.40; 5 lbs., \$10.50, 10 lbs., \$20.50; 25 lbs., \$50.00; 50 lbs., \$98.50; 100 lbs., \$195.00. Prepaid in U.S.A.

VAUGHAN'S "PARKS" MIXTURE

Whenever a lawn is desired which combines the maximum of beauty and economy with a minimum of care, we recommend this mixture. Its basis is the finest Kentucky blue grass, which is combined with other suitable grasses including new Delta Kentucky blue grass, a vigorous starter. White clover is not included, but can be ordered separately. In one pound of Vaughan's "Parks" Lawn Seed there are 3,682,560 seeds.

1 lb., \$1.30; 3 lbs., \$3.85; 5 lbs., \$6.35; 10 lbs., \$12.50; 25 lbs., \$30.75; 50 lbs., \$61.50; 100 lbs., \$119.00.

VAUGHAN'S DENSE SHADE FORMULA

An exceptional formula which is particularly adapted to heavily shaded areas and will also do well in lighter shade. Does not contain clover.

Price, 1 lb., \$1.20; 3 lbs., \$3.55; 5 lbs., \$5.85; 10 lbs., \$11.50; 25 lbs., \$28.25; 50 lbs., \$55.50; 100 lbs., \$109.00.



New Precision Spreader Saves Money and Work

Via Express Only

VAUGHAN'S NEW LAWN SPREADER

is a precision tool. New type oval ports prevent clogging and assure even feed of materials. A forced-feed agitator with nylon bearings gives constant flow and uniform spread. A twist of the handle gives on-off control, and an aperture gauge on the handle assures quick and fool-proof setting of the feeding rate. It has a bright metallic rust-proof shutter.

S-523 16 inch. Rubber tires. Positive shutter opening and closing by means of grip-squeeze lever. Heavy gauge tubular steel handle and welded hopper. Lavender with gray trim. Capacity 25 lbs. Each \$7.95. Weight 13 lbs.

S-524 18 inch. Capacity 50 lbs., semi-pneumatic tires, double grip T handle. Lavender, Bermuda pink, or Buttercup yellow, each with gray trim. Each, \$15.95. Weight 27 lbs.

S-525 24 inch. Capacity 70 lbs. 10 inch steel wheels with permanent grease-sealed bearings, semi-pneumatic tires and double grip T handle. Your choice of pink, yellow or lavender. Each \$20.95. Weight 32 lbs.

Feeds Plants Through Hose Water

No. S915 HOZON.

Simplest, most practical and widely useful gadget to mix plant food and some insecticides and fungicides with the hose water is Hozon. This siphoning device draws from an open bucket or tub water in which the soluble plant food has been mixed. One gallon of solution is drawn from the pail in about 5 minutes, and diluted with water 12 to 18 times its volume. Hozon siphon is brass, with stainless steel check valve, rubber suction tube and stainless steel strainer. Each, \$2.25, postpaid, \$2.40.

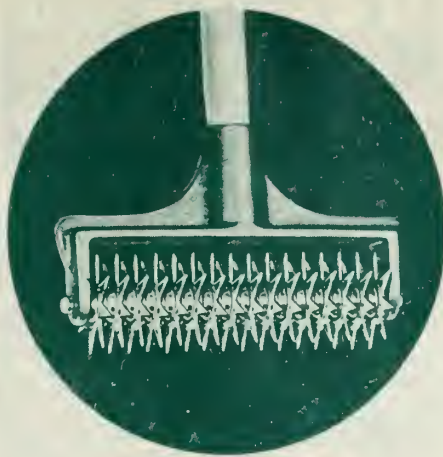


Vaughan's Lawn Weed Killer (2-4-D)

Low Volatile Ester Type

No. S448 Of all the weed killing chemicals, the original discovery, 2,4D, is the most dependable. It does its work with rarely a failure, clearing your lawn of broad leaved weeds, and keeping your grounds free of almost all unwanted plant growths.

Vaughan's Lawn Weed Killer contains 2,4D plus 2,4,5T which make it fatal to woody plants as well as weeds. Poison oak, poison ivy, sumac, cherry, honeysuckle and others are easily exterminated. 8 oz., covers 1,500 sq. ft., \$1.00, postpaid \$1.15; quart, covers 5,000 sq. ft., \$2.75; postpaid \$3.00.



New Tool Speeds Growth on Lawn Bare Spots

S-1069 VAUGHAN'S LAWNOVATER. A lawn cultivator is needed for many jobs, foremost of which is reseeding of bare spots. It can increase the germination of grass 50% to 75% if you sow the seed, then roll the lawn-ovater back and forth over the surface, to insure good cover and prevent loss from wind, rain and birds. You can break up compaction on an established lawn and let air, water and plant food through the crust which forms on heavy soils. The spiked disks open holes in the soil crust, without tearing the turf. It is a sturdy tool, with a heavily reinforced cast frame, and cadmium plated hard steel disks and shaft.

It is also an efficient cultivator for soil beneath shrubs and perennials where it breaks the soil crust without injuring the roots that grow near the surface. Each \$4.95; postpaid \$5.50.

Selective Killer Rids Lawns of White Clover



No. S471 Vaughan's Lawn Clover Killer. If you have white clover in your blue grass lawn, and do not like it, here is the spray which will bring your lawn up to date, if you wish. Do not use on bent lawns, which are in general more susceptible to chemical injury than other fine lawn grasses. 8 oz. tin, covers approx. 1,500 sq. ft., each \$1.25; postpaid \$1.40.

Handy Spreader for Lawn Seed and Chemicals



weight 2 lbs. Each, \$4.95, postpaid \$5.15.

No. S1090A Vaughan's Merion Blue Grass Seeder. New scientific garden tool that saves you time and money. Insures a green velvet smooth carpet of grass by continuous, uniform spreading of lawn seed, dry fertilizer and dry weed killer. Approximate shipping



Best Crab Grass Killer Also Most Economical

No. S-449 Vaughan's SODAR® has gained nation-wide acceptance among professionals and amateurs as most fatal to crab grass with least injury to lawn grasses, and more economical than others.

The chemical which performs so well is Di Sodium Methyl Arsonate. It can be applied early or late in the season, on young plants or those about to seed. A sprinkling can work well on small lawns, and pressure sprayers on larger areas. One treatment kills young plants, mature plants may need two.

We offer it on a money-back guarantee. If after two weeks you do not agree that it is the best and most economical crab grass killer offered to date, bring the container back to us or the dealer from whom you purchased it and your money will be refunded. 4 ounce, treats 1,000 sq. ft., \$1.25; postpaid \$1.35; 1 pound, treats 4,000 sq. ft., \$3.50; postpaid \$3.75; 5 lbs., treats 20,000 sq. ft., \$14.75, postpaid \$15.50; 20 lb. drum, treats 80,000 sq. ft., \$55.00, by express collect.

Vaughan's Liquid SODAR® for Quick Kill

No. S271. This high-power version of SODAR®, the crab grass killer, comes in liquid form and should be applied with a sprayer. You can see the crab grass plants lose color as it hits them, and complete destruction takes place in a matter of hours, not days. Full instructions come with it. It will quickly clear a heavily infested space where you may want to make a new lawn, or set out garden plants. Pt., covers 1500 sq. ft., \$2.30; prepaid, \$2.50; Qt., covers 3,000 sq. ft., \$3.98; prepaid, \$4.35.



Vaughan's K.O. Spread on Lawn, Kills Crab Grass and Other Weeds

No. S378 Vaughan's K.O.® The whole problem of lawn weeds can be solved by using your spreader to distribute this dry combination of SODAR® and 2,4D over your lawn in early summer, when crab grass plants have just begun to grow. It can be used later, of course, but the early bird catches them young. Since SODAR® kills the crab grass, and 2,4D all other weeds, a bag of K.O.® in the tool shed will equip you to rid the lawn of weeds whenever they appear. 9 lbs. treats 2,500 sq. ft., \$3.95; postpaid, \$4.35; 18 lbs. treats 5,000 sq. ft., \$6.95, postpaid \$7.85; Postpaid prices include 3rd zone only. Add postage beyond 3rd zone.



Fatal to All Pests But Safe to Humans

No. S192. Vaughan's Tomato & Vegetable Dust or Spray. When pesticides are to be used on edible plants, precautions must be taken which are not essential for ornamentals. Sprays and Dusts must not only be effective against insects and diseases, but safe not only for the user but for those who eat your vegetables and fruit. Scientists have worked hard to develop chemicals which combine these qualities, and we have chosen the best of all for this all purpose mixture. It contains Malathion and Methoxychlor, which will destroy insects of all types, both juice drinkers and leaf eaters. Captan is the fungicide, whose remarkable effectiveness has been proved in many tests. Each of these is present in 5% strength and together they will keep your garden free of all kinds of pests. Use it on fruits as well and on flowers if you wish. There is none safer or more effective. Apply it as dust or spray. 8 oz. applicator gun, each \$1.00; postpaid \$1.20. 12 oz. can, \$1.35; postpaid \$1.55; 3 lb. bag, \$4.20; postpaid, \$4.50.

How to Reach Deep Root Area with Food and Water



S-794 ROSS ROOT FEEDER. When water is applied to the soil surface it does not sink in, but stays at the top until the soil there is saturated. It takes lots of water eventually to reach the root area of trees,

shrubs, and other deep rooted plants. With the Ross root feeder you can place every drop down where deep roots will get it, right away. Instant aid to drought suffering plants, irrigates and feeds at the same time, if you use the 12 All Purpose cartridges which come with it. Feeder and cartridges complete, \$5.98, postpaid \$6.40.

S-795 Rose (Plus Iron cartridges) Analysis 15-25-10.

S-796 Starter cartridges. Analysis 9-46-15.

S-797 Evergreen-Acid cartridges. Analysis 10-20-20.

S-798 All-Purpose cartridges. Analysis 8-16-8. Either, package of 12 cartridges for \$1.00, postpaid \$1.15.

S-799 Ross Soil Corrective cartridges, contains chelated iron, analysis 5-35-10 package of 12 cartridges for \$1.50; postpaid \$1.65.

New Lawn AND Garden Aids

Vaughan's Rose and Plant Dust or Spray



So many new insecticides and fungicides are now available, few amateurs can keep informed about all. Fortunately there is no need, since it is possible for a combination including the best for each purpose to protect your plants from both insects and diseases.

Vaughan's Rose and Plant Dust, which can also be used in a spray, contains the best of the new materials for the home gardener's use. For controlling red spider on evergreens, black spot on roses, powdery mildew and both leaf eating and plant juice drinking insects. The trouble that threatens your plant need not be diagnosed. When observed, you dust or spray with our preparation and kill the pest or cure the ailment before damage is done. It contains 7% Captan, the remarkable fungicide which kills Black Spot on roses and other fungi; .675% Karathane, fatal to mites; 4% Malathion, destroyer of aphids and other insects; 5% of the all around insecticide D.D.T. It is safe, stable and sure. **S267** 8 oz. Squeeze Duster, which can be refilled, each \$1.39; postpaid \$1.55. **S276** 8 oz. applicator gun, \$1.25; postpaid \$1.45; 1 lb. can, \$1.50; postpaid \$1.75. 4 lb. pkg. for \$5.20; postpaid \$5.65.



Vaughan's Pistol-grip Duster is One-hand Pest Killer

No. S707 For protecting small gardens from insects and diseases, dusts have many advantages over sprays. But dusting can be tiring unless you have the right duster.

Our new Pistol-grip Duster is right in economy, accuracy, and ease of handling. You keep it loaded and when your plants are threatened, hold it like a pistol and shoot out a cloud of dust by pulling a 3-finger trigger.

It holds 6 to 8 ounces of dust depending on fineness. An agitator prevents the dust from packing. The easy trigger pull is stepped up by gears to operate the blower. Each \$7.85; postpaid, \$8.00. Pistol-grip Duster with 1 lb. of Vaughan's Rose and Plant Dust (\$1.75 value), both prepaid \$9.50.



NICHOLS' ALUMINUM ROLL TRELLIS.

Attractive Lustre-Brite, silver-like finish accents the beauty of flowers and vines. Never rusts or needs painting. Lasts indefinitely. Easily installed. Packaged in rolls T10—10 ft. long, 2 ft. wide, and T25—25 ft. long, 2 ft. wide. 25 ft. continuous roll is sufficient for making 2 to 6 trellises.

No. S1585 T10, each \$5.95; postpaid \$6.50. **No. S1585A** T25, each \$13.50, postpaid \$14.50.



NICHOLS GRASS STOP WITH TURNED SAFETY EDGE.

Model G4 is 4 inches wide. Model G8 is 8 inches wide. Made of aluminum. Rustproof, and lasts indefinitely. One continuous 40 ft. roll, 4 inches wide, in 1 package. Keeps grass roots from spreading into flower beds, trees, shrubs, sidewalks and driveways. G8 is one continuous roll of 40 ft. Used to stop very deep rooted grass.

S1584 4 in. each \$5.95; postpaid, \$6.35. **S1584A** 8 inch, each \$8.35; postpaid, \$8.85.

Professionals Use This Drench to Sterilize Soil

S-255 PANODRENCH. With one teaspoonful of this liquid mercury in three gallons of water you can sterilize soil in which you are going to start plants indoors. It contains a dye which identifies the solution. Used instead of steam sterilization to control damping off. Outdoors it can be applied to a seed bed with a sprinkling can or sprayer. 1 oz. bottle, \$1.95; postpaid \$2.05; 4 oz., \$5.95; postpaid \$6.10.

Vaughan's Tree Wound Dressing



S-214 Vaughan's Tree Wound Dressing. Whenever the bark of a tree is cut, fungi which cause decay may attack the wood. This mixture of tars, oil and fungicide will protect the wood from infection. Old injuries showing decay should be cleaned to live wood, and covered. Apply dressing freely in crotches which show decay. Pt., \$1.25; postpaid \$1.45; 1 qt., \$1.80; postpaid \$2.15.



Hidden Rope Keeps Animals Away from Plants

No. S290 VAUGHAN'S ANIMAL REPEL-LANT ROPE. Dogs, cats, rabbits, may be all right in their place, but you don't want them near your plants. This rope is impregnated with improved and more effective oils which set up a barrier of scent which turns them all away. Circle flower bed or border, or vegetable plot, pegging it on the ground, lightly covered. Tie a piece around an upright tree or evergreen, or hide it in foliage. Animals hate this odor. 100 ft., in can, \$1.75; \$1.95 postpaid.

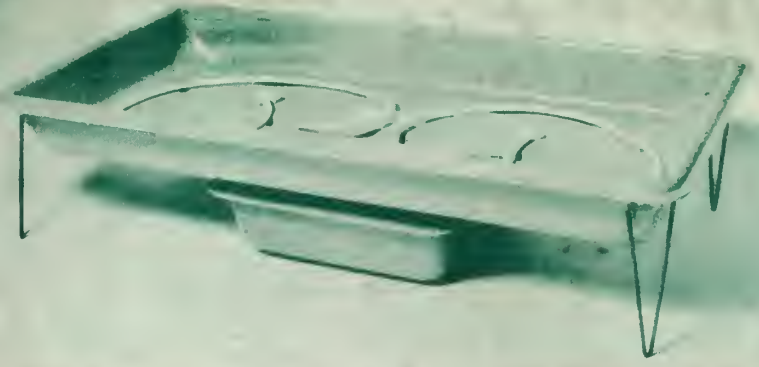


Supplex 3-Tube Sprinkler Wets Wide Area

S913. Supplex Triple-tube Plastic Sprinkler. Garden sprinklers made of plastic tubes with perforations through which the water escapes in a fine spray, have proved their usefulness. Light, weather-proof, easily curved to follow contours of planted areas, they cover a large space with an evenly distributed spray, which the ground quickly absorbs. This one has three tubes with openings on top only, but can be used as a soil soaker when turned upside down. Made of vinyl plastic, it will not rot or mildew. 25 foot length covers space 25x25 feet, with reel, \$3.98, postpaid \$4.25. 50 foot length, covers space 50x20 feet, with reel, \$5.98, \$6.35 postpaid.

Makes House Plants Kill Insects

S227 KAPSULATES. A systemic insecticide in capsule form. Kills or repels African Violet mite, red spider, aphids, etc., on African Violets, Ferns, Ivy, Mums, Cyclamen, and many other potted plants. Simply place capsule on soil and water in. Package of 12 capsules, for 60c, postpaid; Package of 24 capsules, plus 2½ ounces of Plant-L-Izer soluble plant food, for \$1.35, postpaid.



MOIST-RITE SEED STARTER

Start Your Plants Early in a Scientific Seed Tray

S-1628 MOIST RITE SEED TRAY. It is fun to start seed in an indoor seed tray. It also permits you to select varieties from the thousands listed in this catalogue, and grow them for a fraction of what seedling plants would cost, even if you could find the varieties you want in the market, which is seldom the case.

The Moist-rite Seed Starter, illustrated, is 2 ft. long, by 1 foot wide, and 3 inches deep. It is moulded of heavy plastic, and firmly upheld by an iron stand to give room for a 2 pint reservoir below it.

Two fibre glass wicks are supplied, which when inserted in two holes provided for this purpose, and spread over the bottom of the starter, will lift water from the reservoir to moisten the soil in which seed is sown, or small plants set out. As long as there is water in the reservoir, the soil will remain moist.

The box can hold 50 2-inch plant bands, which will be watered by the wicks if the bands are set on a cushion of soil covering the bottom of the box.

This box presents an attractive appearance, and will not be out of place in a living or dining room window, which gets winter sunshine, or a north window which enjoys the light reflected by the northern sky. Winter will seem shorter with this indoor garden, and your plants will cost much less than seedlings purchased in the market. Seed Starter without bands. Each, \$4.50 postpaid to the third zone (600 miles). Add 45 cents if beyond the third zone. If desired, package of 50—2 inch plant bands for 85c, postpaid.



Avoid Transplanting Shock With Plant-A-Pot

Plant-A-Pot has been used by florists several years with great success in starting seedling plants. Moulded of peat moss, plants growing in them can be set out in the garden without being removed from the pot. The roots, undisturbed by the operation, grow without check, penetrating the pot walls and continuing to grow while the pot disintegrates.

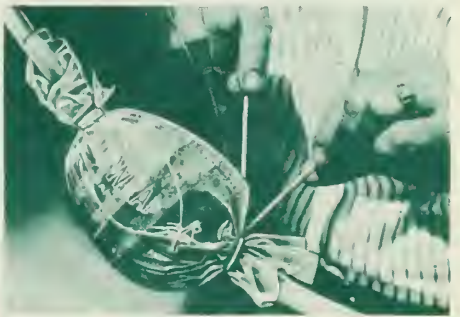
Decayed pot material contributes some plant food value to the plants. Seed may be sown directly in the pots. If they are placed in a shallow pan water can be poured into the pan and will be absorbed through the side of the pots.

Size	Approx. Wt. per 100	Price per 100
S1431		
1 3/4" Square	3 lbs.	\$1.65; \$2.00, postpaid
S1431A		
2 1/4" Round	3 lbs.	\$1.75; \$2.10, postpaid
S1431B		
3" Round	4 lbs.	\$2.20; \$2.65, postpaid

Plastic Bird Feeder will Delight Feathered Friends

S-1725 E-Z FIL BIRD FEEDER.

When this colorful bird restaurant opens for business in a tree near your window the news will spread rapidly among the Cardinals, finches, rose-breasted Grosbeaks, and all the other winter residents of the woods. The entire menu is visible in the transparent plastic seed bin, and customers are assured clean comfort on the open perches. The birds will dine with more confidence if it is sufficiently in the open to allow them to see the approach of unfriendly characters. Convenient refilling through sliding door in roof. Comes in mottled green, brown or red. Each \$1.29; \$1.55 postpaid.



Multiply Costly Plants

S1924 Airwrap Kit. Costly magnolias, roses, blueberries, azaleas or any woody plants can be induced to form roots on a selected stem by the Airwrap method which inexperienced gardeners can use. Once rooted the stem can be cut off and planted. Airwrap plastic film is wrapped around a ball of sphagnum moss, surrounding a wound which is prepared with a knife, according to directions. The moss is saturated and the film holds the moisture in, while allowing air to penetrate freely. The film contains necessary growth and rooting chemicals. One kit will make 10 new plants. Each, \$1.95; Postpaid for \$2.15.

Newer + Vegetables



Round Pod Wax Bean Wins All America Medal

B-4. Wax Bean Choctaw. 53 days. This bronze-medal winner is a round-pod bean, rare among the yellow tribe, and like all other wax beans it excels in tenderness and flavor. But the merit which most influenced the All America judges was its beautiful golden color and record-breaking yields. It bears the largest crop of any wax bean on its 16 to 18 inch bushes and the color of the pods never has the green tinge common to others. If you are among the home gardeners who esteem wax beans for their quality, this will bring you an abundant supply of your favorite. Pkt., 30c; ½ lb., \$1.10; 1 lb., \$2.00.



B-23 Greenpod Bush Bean Contender, Pkt., 25c

Best Home Garden Bean

B-23 Green Pod Bush Bean Contender. 49 days. A great introduction for 1950, that was the work of the late Dr. B. L. Wade. This high quality, heavy yielding bean has been setting records in all parts of the country. Amateurs like it because of its fast growth and long, round, tender pods, entirely free from fibre or linen. A continuous supply for the table is assured by sowing every week, three feet of row which will supply abundantly the average family needs. Pkt., 25c; ½ lb., 50c; lb., 95c; 2 lb., \$1.45.

F1 Hybrid Big Boy Deserves Its Name

T-5. Big Boy. 80 days. Originator's stock. This is the largest F1 hybrid tomato and lives up to its name. It's big, though not the largest you can grow. Well grown fruits average half a pound and some are larger. It has the vigorous growth, heavy yield and uniformity to be expected of an F1 hybrid. Its globe shaped fruits are perfectly smooth with firm scarlet-red skin. Inside the meat has heavy side walls and bright red flesh of mild flavor and excellent quality.

It reaches the peak of production in mid-season but continues to produce many large fruits until cold weather arrives. The plants are very large, semi-upright to spreading with moderately dense dark green foliage which protects the fruits from sun-scald. If grown to a single stem pruning must be constant to keep the growth within bounds since it grows with true F1 hybrid vigor. Pkt., 35 seeds, 50c; ¼ ounce \$7.50.



Lettuce of Bibb Quality All Summer

L-9. Matchless Lettuce. 55 days. Here is the lettuce both gourmets and home gardeners have dreamed about. It has the quality of Bibb, to which professional salad experts give top rating, yet can be harvested all summer from the home garden without loss of quality. In contrast, Bibb bolts to seed with the first warm weather. Matchless matures quickly and a succession of sowings will keep you supplied from early spring until winter. The picture of Matchless herewith was taken in our trials in August, an exceptionally hot and dry one, yet the plants showed no signs of bolting and quality was superb. It grows into a loose cluster of slender leaves shaped like a deer's tongue, thick and crisp, with a heavy midrib, equalling Bibb quality on all counts. We have never seen its equal and believe it is the finest lettuce yet introduced. Don't fail to try it. Pkt., 25c; oz., \$1.00; ¼ lb., \$3.00.



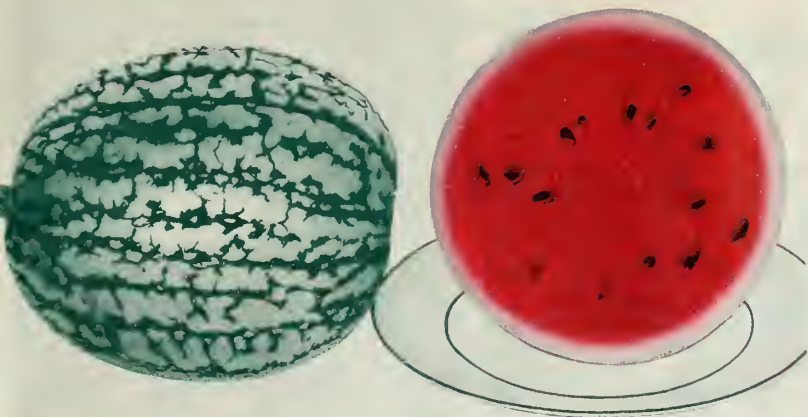
L-9. Matchless Lettuce, Pkt., 25c

Radish Champion Wins A Medal

R-4 Radish Champion. 25 days. All America Bronze Medal, 1957. The first crop from your vegetable garden should be tasty, bright red, firm-fleshed radishes like these. If they give a long harvest, before they turn pithy, you will rejoice. That is exactly why this prize winning variety won a medal. You can sow longer rows, and enjoy a longer harvest from each sowing. It has all the other desirable qualities found in a fast growing, long standing, top grade radish. The tops are short, the tap root thin, and the color of the clearest. They are larger than Scarlet Globe. 1 pkt., 25c; 1 oz., 50c; 4 oz., \$1.50. Roots can be harvested most of the summer if sowings are made every three weeks from April to June, and from August 1 to Sept. 15. Sow only enough at one time to supply your family for three weeks.



R-4 Radish Champion, pkt., 25c



Midget Watermelon for Northern Gardens

M-48 New Hampshire Midget. 75 days. All America medal. No sweeter melons ever grew in the deep south, than these midgets, bred for northern summers. This variety is not new, having won an All America award in 1950. Meanwhile it has won acceptance not only by many home gardeners, but by market growers in the north.

As the illustration shows, it is about the size of the largest muskmelons, and so filled with bright red, juicy flesh that the rind is almost paper-thin. Not the least of its merits is its size, which is definitely "ice-box." Keeping it cold is no problem. It is the earliest of the ice-box type to mature. Pkt. 25c; oz., 60c; ¼ lb., \$1.75.



Giant Tomatoes in 68 Days

T-21 Early Giant. F1 Hybrid 68 days. For the first time the characteristics of early maturity and giant size have been combined in a tomato. It was accomplished by using the F1 hybrid technique, which has been so successful with sweet corn, and many annual flowers.

For home gardeners this triumph means delight, not only when the first tomato of the season is several times the size of the usual early type, but when the vines continue throughout the summer to yield a prolific harvest of similar giant fruits.

The smooth globe shape of Early Giant is shown in the illustration. The fruits are borne in clusters of 5 or 6. The flesh is bright scarlet, moderately acid with few seeds, just the kind that most salad lovers prefer.

If a man were limited to one vegetable only, tucked in among his wife's flowers, this would be the one to grow, insuring vine-ripened fruits for the table for weeks longer than any other variety could grow. Pkt., 50 seeds, 50c; ½ oz., \$6.00.

Hybrid Sweet Corn Bred to Excel in Flavor

C-109 Sweet Corn Honey. 80 days. Veteran home gardeners who still insist that no hybrid sweet corn can equal the flavor of Golden Bantam of prewar days may have to revise their opinion. This one was bred with home gardeners in mind and all other qualities made secondary to tenderness and flavor. To enjoy its sweetness at its height make sowings every 7 days and see that the ears are on the table within an hour after you pick them from the stalk. The plants grow 5 feet tall and bear slender ears 7x1½ inches, each with 12 rows of kernels, topping Golden Bantam by 50%. They are just the right size for a child to handle. Pkt., 25c; ½ lb., 60c; lb., \$1.10; 2 lbs., \$2.10.



Harvest Peas Through July and August

P-17 Wando Pea. 64 days. Where spring is short and summer hot, peas have so brief a season the harvest is counted by days. But here is a wrinkled pea, of excellent quality, which thrives and bears through the hottest summer months. You can plant them late in June for a harvest in September. Sow every three weeks for crops all summer. Excellent for freezing, also. Pkt., 25c; ½ lb., 45c; lb., 75c; 2 lbs. \$1.35.

New Cucumber Has A Smooth Skin

C-161 Cucumber Smoothie. 65 days. All America Bronze medal, 1957. Perhaps you never thought about a cucumber's complexion, but now that the All America judges have pinned a medal on this variety, you will probably agree that a smooth, spineless skin adds attraction to a cucumber. Smooth skin is not the only merit of the new variety. It was bred by J. M. Jenkins at the North Carolina Vegetable Research Laboratory, and has long, slender fruits of top table quality, and if you harvest too many to use in salads, they make fine bread and butter pickles, too. Pkt., 35c; ½ oz., 60c; 1 oz., \$1.00.



Carrot Sweet as Honey

C-49 Carrot Sweetheart. 70 days. This well named carrot has a core (call it a heart) quite as tender and almost as sweet as the thick outer layer of its root. The deep orange coloring extends through all the flesh. It has a blunt end, slender cylinder shape, averaging 1½ by 6 inches. Pkt., 20c; ½ oz., 40c; oz., 70c; ¼ lb. \$1.95.

Giant Tree Tomato is Still Champion

T-19 Tomato Giant Tree. (Italian Potato Leaved.) 90 days. First offered by us 12 years ago, this was not then a new variety. Its history is obscure but we believe it to have originated in Italy. The interesting fact is that with all the activity among vegetable breeders in recent years, no Fl hybrid or any other new type has ever approached this old variety in the following qualities:

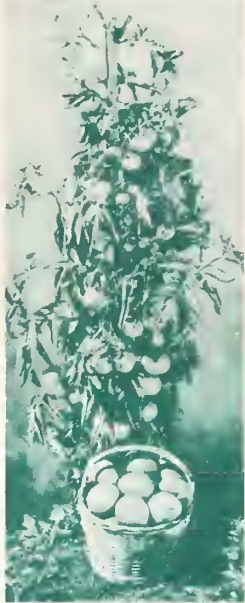
Size, with fruits rarely less than 1 pound, often twice that and many instances of tomatoes weighing over 3 pounds. P. R. Ford of Flint, Mich., in 1950 picked two off one stem, one 3 lbs. 4 ozs., the other 3 lbs., 10 ozs.

Vigor of growth. Our first seed of Giant Tree was obtained from the late Judge Brumley of Flossmoor, Ill., who grew plants that covered an eight foot grape arbor, forming a dense covering over the garden path. Vines 15 feet high have often been reported.

For the average gardener plants of this size are not desirable; but this giant can easily be curbed. When pruned according to standard tomato practice and supported by a stake, Giant Tree will concentrate its vigor on the production of fruits, and keep your table supplied with tomato slices large enough to cover a salad plate.

The fine flavor of Giant Tree attracts as many compliments as its large, smooth fruits. It is definitely non-acid, has very few seeds, and not much juice. It is excellent for canning, if you have cans large enough. The color is classified by tomato fanciers as pink.

If you have grown Giant Tree, there is no need to say more. If you have never grown it, and like tomatoes, don't let another year pass without this interesting experience. Pkt., 50c.



Potato Eyes for Planting

Instead of handling 100 big seed potatoes, you can plant 100 potato eyes and grow a home garden crop with no more labor than growing beans. Vaughan's sets are cut from the finest certified seed potatoes and treated with Chaogen to eliminate seed borne diseases.

Plant 6 inches deep, 12 inches apart in rows 28 to 36 inches apart. Cultural instructions included. We offer the following varieties of top table quality for April or May shipment.

P-46 Dazoc New Smooth Red Potato—good cooker, quite adaptable. 100 for \$2.50 postpaid.

P-47 White Cobbler—pure white, nearly round, early. 100 for \$2.50 postpaid.

P-48 Cherokee—a new variety later than the White Cobbler, resistant to blight and scab, 100 for \$2.50 postpaid.

P-49 Red Pontiac—Red skinned with resistance to drought. 100 for \$2.50 postpaid.



S-24 SQUASH BUTTERNUT. Pkt., 15c.

Squash Fans Agree, This Is the Best

S-24 Squash, Butternut. 100 days. There are several good squashes, so why is this best? First it is easier to grow because of its resistance to stem borer the chief pest of squash. Then it's sweeter, and a better keeper, than even Buttercup, or Acorn; and yields a heavier crop for the space occupied. It has more flesh, less seeds, as you can plainly see; ninety percent of its heavy fruit, which may grow 12 inches long, is exceedingly firm, dry, mealy, delicious orange flesh. Even if you already have a favorite squash, better try this. Pkt., 15c; oz., 45c; ¼ lb., \$1.25.

New Zucchini Has Small Bush

S-30 Black Beauty Squash. 60 days. All America Award 1957. Of all summer squashes this variety is the earliest and grows on a bush small enough for close planting. From the time the fruits are 1½ inches long they can be served, and excel in taste and tenderness up to a length of 6 inches. Fruits 18 inches long and 4 inches in diameter are still delicious when cooked the Italian way. Flesh is white, finely textured and skin uniformly dark green. Pkt. 30c; ½ oz., 65c; 1 oz., \$1.15.



For Our Full Line of Vegetable Seeds—See Pages 58 to 73



C-108 HYBRID SWEET CORN GOLDEN CROSS. Pkt., 20c.

Hybrid Sweet Corn Team

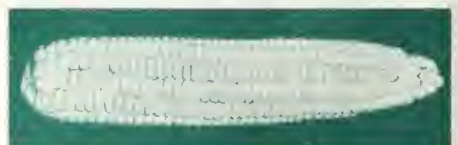
Plant the four varieties illustrated below at the same time to produce an all season harvest of highest yield and quality. 2 oz. of each variety in separate packets totaling **75¢** pound

We offer a top quality hybrid sweet corn team, including our new super-sweet Bouquet, and the popular large eared late hybrid Ioana. The varieties described below represent the finest quality hybrids available. Plant them for a continuous home garden crop excelling in flavor and tenderness as well as large yield.

C-108 Golden Cross. 79 days. Sweet as Golden Bantam, with much larger ear, this is deservedly most popular of hybrids. Ears are 12 to 14 rowed, nearly eight inches long. Highly resistant to Stewart's disease. Pkt., 20c; ½ lb., 55c; lb., 95c; 2 lbs., \$1.80; 5 lb., \$4.25.



C-128 Golden Beauty. 68 days. Silver Medal all America winner 1955. A white silked early large eared hybrid with good quality. Pkt., 25c; ½ lb., 60c; 1 lb., \$1.10.



C-101 Bouquet. 75 days. Extra sweet, second early. The cylindrical ears are long and sweet. Pkt., 25c; ½ lb., 60c; lb., \$1.10; 2 lbs., \$2.10; 5 lbs., \$5.00.



C-115 Ioana. 81 days. Bright yellow Sweet Corn produced by the Iowa Station at Ames, Iowa. It has a larger amount of foliage than most Corn and has an excellent flavor. Very productive, 87 stalks bearing 123 ears, free from smut. Ear 8 by 1¾ inches, carrying 12 to 14 rows of kernels of medium size. Stalk 86 inches in height, ear base 26 to 30 inches. Pkt., 15c; ½ lb., 50c; 1 lb., 90c; 2 lbs., \$1.70; 5 lbs., \$4.00.



Heavy-yielding Early Pepper

P-66 Pepper Wisconsin Lakes. 68 days. Research scientist, O. B. Combs, in Wisconsin bred this early maturing pepper, which can be picked in the green stage a week earlier than California Wonder. The plant grows 18 to 21 inches tall and hold the fruits upright, in an easy-to-pick position. In either heavy or sandy soil it outyields later varieties. Fruits ripen to a bright scarlet. Leaves are medium to small, dark green, and the well branched plants shade the stems enough to prevent sunscald. Pkt., 35c; ½ oz., \$1.00; oz., \$1.85.

You CAN GROW LARGEST DAHLIAS

FOR EIGHT VARIETIES OF CHAMPION RAINBOW COLORS

\$3.95

One Each of the Following Varieties (VALUE \$7.25) for \$3.95

VARIETIES in this collection were selected to give you a group of plants well balanced as to size and color, which can be depended upon to do well in the average garden with average care.

Many new varieties are introduced each year, but few are able to win a permanent place at the top. All in this offer have demonstrated merit in the garden and on exhibition tables. Their flowers are of good size and color, and in addition they have the qualities of vigorous growth and abundant yield.

Whether you want landscape effect, cut flowers or exhibition blooms, they will fulfill your wishes. If your goal is large size rather than abundance of bloom the instructions we send with them, for culture and disbudding, should be followed carefully.

Dahlias are rewarding flowers, for garden beauty and indoor decoration, as well as in the flower shows. A purchase of tubers can be an investment which pays dividends for years.

After each variety name is a letter which indicates its type, meaning: (C) Cactus; (F.D.) Formal Decorative; (I.D.) Informal Decorative; (D) Decorative.

DH5 BARBAROSSA. (F.D.) Outstanding Cardinal Red with crimson glow. Tall bushes, consistently good. \$1.00 each, 3 for \$2.50.

DH7 BLIJHEID. (C) Pure, bright orange, medium size flower of perfect form. The cut blooms keep well. \$1.00 each, 3 for \$2.50.

DH16 D. DAY. (F.D.) Solid colored true pink, medium size flower borne in great abundance. 8" 75c each, 3 for \$1.75.

DH17 DEUIL DU ROI ALBERT. (F.D.) The florists' favorite bi-color. Flowers are violet purple with white tips. Free flowering and very striking. 8". \$1.00 each, 3 for \$2.50.

FANCY-LEAVED CALADIUM BULBS

MIXED. 6 for \$2.00; doz., \$3.75.
No order accepted for less than 6.
DELIVERY FEB. 15th TO JUNE 1st.



The fancy-leaved Caladiums are gorgeous plants for window-boxes or semi-shady places in the garden. They like a well drained, rich soil but do well in good garden soil if it is not too heavy. Start the bulbs inside in pots covering with one inch of soil. Water sparingly until growth commences, then water liberally. Plant out after danger of frost is over.



BARBAROSSA

DH22 FIVE STAR GENERAL. (F.D.) Very large, light amaranth pink, with tips of soft maize yellow. Sturdy bush with real stiff stems. 10". \$1.00 each, 3 for \$2.50.

DH39 MADAM ELIZABETH SAWYER. (C) The finest lavender cactus flowered variety. Consistent winner at flower shows. \$1.00 each, 3 for \$2.50.

DH46 MRS. JAMES ALBIN. (F.D.) Soft lemon yellow. Strong bush-producing excellent foliage and cut flowers. 75c each, 3 for \$1.75.

DH79 WORLD EVENT. (I.D.) Large Tyrian rose flowers on vigorous healthy bushes. Beautiful garden dahlia. 75c each, 3 for \$1.75.

Cannas for Gay Summer Beds

Cannas are becoming more popular. The new varieties with large flowers in new colors are unequalled for creating a colorful show from July till frost. They do best in full sun and respond quickly to feeding.

Number of Cannas required for round beds planted eighteen inches apart each way: Seven feet—19 plants, one for center; six for first row, twelve for second row. Ten feet—37 plants, one for center; six for first row, twelve for second row, eighteen for third row.

CN100 CITY OF PORTLAND. 3½ ft. Compact, luxuriant, dwarf growth. Leaves green. Flowers rosy pink.

CN101 HUNGARIA. 3½ ft. Best pink Canna. Leaves bluish green, never burn. Flowers large, with big petals.

CN102 KING HUMBERT. 4 ft. Scarlet flowers, bronze leaves. This remarkable "Gold Medal" Canna has long been the favorite red.

CN103 THE PRESIDENT. 4 ft. A rich glowing scarlet on strong stalks; green foliage.

CN104 YELLOW KING HUMBERT. 4 ft. Foliage a very dark green, flowers a deep rich yellow, softly spotted and blotched with bright red.

PRICES OF ABOVE

DORMANT 1-3 EYE ROOTS. Available March 1 to May 15; 3 for 75c; \$2.00 per doz., \$14.00 per 100.

CHOICE CANNAS

CN105 COPPER GIANT. 4 ft. The finest variety we know. Its giant flowers borne on strong stalks with green foliage are of a vivid hue, with great carrying power, of madder red and old rose with a suggestion of burnished copper in the mass effect.

CN106 DOROTHY S. 4 ft. A beautiful salmon red. Green foliage. Produces large flowers on very vigorous plants.

PRICES OF ABOVE

DORMANT 1-3 EYE ROOTS. Available March 1 to May 15; 3 for 90c; \$2.50 per doz., \$17.00 per 100.



CANNA THE PRESIDENT

A vigorous plant that bears large flowers of bright red.

red rich

EVERBEARING

STRAWBERRY

Bears Luscious Fruit From Early June Until Frost

EVERBEARING

RED RICH (Plant patent No. 993). The amazing Wonder Strawberry. Bears and bears from early June until frost. Big, juicy, firm fruit loaded with that rich Strawberry flavor. Unsurpassed for freezing. The supply is limited so order today. Price: 12 for \$2.95; 25 for \$5.00; 50 for \$8.50; 100 for \$15.00; 250 for \$32.50. All plants guaranteed.

TWENTIETH CENTURY—Highly recommended by Experiment Stations in many states; it rates superior in size, quality and production. Makes a vigorous growth of good sized plants. Bright red berries of fine texture and excellent flavor. Bears fruit within 60 days after planting until freezing weather. Price: 25 for \$2.95; 50 for \$4.95; 100 for \$8.95; 250 for \$19.50; 500 for \$37.50.

SUPERFECTION. Easy to grow, yields good crop first year. Crops all summer and fall. One of the most popular of the everbearers. Deep red and extra delicious. Price: 25 for \$2.25; 50 for \$4.00; 100 for \$6.25; 250 for \$14.00; 500 for \$25.00.

JUNE BEARING

POCAHONTAS (Midseason). Medium to large, firm scarlet fruit. Very sweet, seeds inconspicuous. Good producer. Price: 25 for \$1.95; 50 for \$2.95; 100 for \$5.50; 250 for \$11.50; 500 for \$19.50.

WISCONSIN 214 (Early Midseason). Just the ticket for northern states. Very large, medium red, sweet berries. Highly recommended for freezing. Price: 25 for \$2.10; 50 for \$3.25; 100 for \$5.75; 250 for \$12.00; 500 for \$20.50.

ARMORE (Late). Big is the word for Armore. Big producer, big berries. Good shipper. Unrivaled for sweetness and flavor. Price: 25 for \$1.95; 50 for \$2.95; 100 for \$5.50; 250 for \$11.50; 500 for \$19.50.

EMPIRE (Late midseason) From the New York Agricultural Experiment Station, this new June bearer answers the demand for a fancy, good keeping strawberry. Glossy red color and large size. Vigorous grower, high quality, ripens about one week after Premier. Price: 25 for \$1.95; 50 for \$2.95; 100 for \$5.50; 250 for \$11.50; 500 for \$19.50.

DUNLAP (Midseason). An old favorite, popular for many years. Bright red all through, exceedingly juicy. A success in all areas. Price: 25 for \$1.70; 50 for \$2.50; 100 for \$3.75; 250 for \$8.00; 500 for \$14.00.

PREMIER (Early). One of the best early June berries. Top producer, medium to large fruit of good quality. Price: 25 for \$1.95; 50 for \$2.95; 100 for \$5.50; 250 for \$11.50; 500 for \$19.50.

PAYMASTER (Midseason). Sparkling, red. A real beauty of a berry. Because Paymaster is red clear through, rates high in freezing tests and at the same time boasts a firmness that makes it ideal for handling. Price: 25 for \$1.95; 50 for \$2.95; 100 for \$5.50; 250 for \$11.50; 500 for \$19.50.

VERMILION (Early). Tops the list in quality. Glossy bright red. Medium size. Resistant to Red Stele and Leaf spotting diseases. Price: 25 for \$1.95; 50 for \$2.95; 100 for \$5.50; 250 for \$11.50; 500 for \$19.50.



Strong Field Grown Plants, Shipped from Early Spring up to May 15.

FREEZER COLLECTION

50 Premier, 50 Paymaster

Collection of 100 Plants Prepaid \$5⁴⁵

YOUR GARDEN CENTERPIECE . . . FOR FRONT YARD OR BACK



PYRAMID®

• CORRUGATED!

COMPLETE SPRINKLER INCLUDED!

This is the brand new, re-designed Judson Pyramid® garden. SIX FOOT in diameter with three planting terraces. The 5" aluminum bands are now attractively corrugated and the completely new sprinkler is included as standard equipment with no increase in price. Remember, the sprinkler is no longer an accessory but is packaged in the Pyramid box and includes the sprinkler head, tubing and hose connection. Complete instructions for erection and planting Pyramid are contained in each box.

- PYRAMID (Includes complete sprinkler, tubing, hose connection) \$9.95
- ACCESSORIES FOR PYRAMID
- SUPPORT STRIPS for Covers 3.95
- COVER (Plastic) 6.95
- NET (Cover) 6.95



SAN SOUCI



YELLOW HERALD



ELIZABETH, THE QUEEN



MOTHER FISCHER

VAUGHAN'S FAMOUS *Rainbow Garden of Gladioli*

Fifty-six flowering size bulbs, 1-1¼ inches in diameter, 8 each of the 7 outstanding varieties. Each variety separately bagged and labeled. **\$2**
Prepaid 600 miles for

This Is Not a Mixture

It is a collection of 7 beautiful gladioli, so far excelling ordinary varieties there is no comparison. Bulbs of each variety come separately bagged and labeled by name. You receive 7 bags of bulbs, can plant them in a studied arrangement, tell your admiring friends their correct names, and exhibit them by name in your local flower show. All bulbs are of flowering size, young and vigorous, the kind we use to grow exhibition flowers. Every bulb will flower if planted according to directions. They will also multiply and produce a crop of new bulbs for planting next year. Your purchase will be a long-term investment.

We take pride in making our Rainbow Garden of gladioli the greatest value available to home gardeners.

These are the Varieties

MOTHER FISCHER (Fischer). Finest of all whites. Heavily ruffled, velvety texture, opening to florets with perfect placement. Winner at shows.

PALETTE (Europe). Vermillion-red with contrasting blue-purple in throat. Vigorous grower with a fine spike. Outstanding.

FRIENDSHIP (Fischer). Bright true pink with cream and white throat. One of the earliest to bloom.

SPIC AND SPAN (Carlson). Giant deep pink, ruffled florets, big winner at shows.

YELLOW HERALD (Pfitzer). Large flowers of amber yellow with carmine in the throat, well spaced on strong stem.

ELIZABETH THE QUEEN (White). Beautiful ruffled lavender, best of its color.

SAN SOUCI (Europe). Glowing scarlet, opening 7 to 8 5½ inch florests on 19 bud spike.

seen anything out of a greenhouse as beautiful as we have had.

Your gladiolus bulbs turned out fine. The flowers from the Rainbow Collection were immense. Truly prize blooms.

You always have a grand Rainbow Collection of Glads. My daughter won 2 blues at a 4H show with flowers from your bulbs.

People walking along the street stopped to admire my flowers from your Rainbow Garden of Gladioli.

The gladioli were wonderful. We had the Rainbow collection, the neighbors said they had never seen so many lovely colors.

Lovely Pink Lily



LILIUM SPECIOSUM RUBRUM

8-9 INCH, 3 FOR \$1.00

This is most beautiful of pink lilies and is also the easiest to grow. It is seldom attacked by disease, and perfectly hardy, living for years in the coldest sections of the country when planted in a well drained place.

It grows slowly, with sturdy stems reaching a height of 4 feet, and blooms in late August and early September, producing branches of flowers many of which reach 6 inches in diameter. Usually 8 to 12 flowers per plant blooming over a 3 week period.

The frilly petals are white, but so flushed with deep pink that only the margins are clear white; and numerous dots of carmine decorate the petals. These are reflexed, or turned back, while long stamens and pistil project with decorative effect.

Planting instructions are sent with the bulbs.

WHAT OUR CUSTOMERS SAY ABOUT RAINBOW GLADIOLI

Bellingham, Wash.
The gladiolus bulbs I received from you this spring were the most beautiful glads in town. They were so tall with as many as 22 blooms on one stalk and the colors were the most beautiful I have ever seen. Mrs. E.R. Kansas City, Kas.

Enclosed find check for your Rainbow Garden of Gladioli. We too have bought this collection for years and find them most satisfactory and all their names implies. Mrs. R.C.L. Mt. Carroll, Ill.

Here is a picture of a basket of your gladioli, which won first prize at the flower show. I have grown your glads for ten years. Mrs. O.H. Star City, Ind.

We always enjoy your catalogue and have sent for your Rainbow Garden of Glads several times. The colors are always just as you represent them and I have never

Everblooming Hybrid Tea Roses



KARL HERBST

The Roses offered in this catalog are northern grown, from Pacific coast areas which produce the Nation's best plants. They are selected plants which qualify as No. 1 grade, the highest standard established by the American Association of Nurserymen. This grading is done after they have been grown for two years on hardy understock.

You will know the difference between these top grade plants, and lower priced plants, when they begin to grow in your garden, where their abundance of fibrous, flexible roots enable them to become established quickly and bloom early.

All these Roses, except some climbing varieties, will bloom in your garden this summer, if planted according to simple directions furnished with the plants. Plant dormant Rose bushes as soon as the soil thaws and dries out enough to be prepared properly.

DELIVERY. All orders for ROSES which total \$3.00 and over for shipment to one address will be delivered prepaid in the USA. With ROSE orders for less than \$3.00, add 35c postage and handling. (No roses are shipped C.O.D.)

SEE PAGES 1, 13, 80 and 81 for COMPLETE LIST OF CLIMBING, EVERBLOOMING HYBRID TEA, FLORIBUNDA and GRANDIFLORA ROSES.

SUB-ZERO
Roses

3 FOR \$5.45



Offer FC128—One each as Listed Below (value \$6.00), for \$5.45

Hardest Everblooming Hybrid Tea Roses

Each \$2.00; 3 of one kind for \$5.50

A new race bred from Northern native species that have beautiful flowers and that bloom freely and constantly all summer. They are easy to grow, have great vigor and live for many years, even in sub-zero winters.

CURLY PINK. (Pat. 842.) You will love this rose for it is one of the finest of all pinks. We know of no other variety that can match it in the combination of size and form of bloom, beauty of cluster; constancy, vigor and fragrance. When established, many large, very double, two-toned, rich rose-pink blossoms, form a gorgeous bouquet on a single stem. Tall.

QUEEN O' THE LAKES. (Pat. 1003.) This one is a dandy with blooms that are much like Crimson Glory, one of its parents. A free blooming crimson red rose named for the Queen of Minnesota's Aquatic Sports. Fruity fragrance; shining healthy foliage. Medium.

ORANGE RUFFLES. (Pat. 1124.) A gorgeous new tone of orange that is luminous like glowing sunshine in the rain. Large flowers mostly single on stems constantly in great abundance. As many as 50 petals gracefully warped, curled, frilled and ruffled, artfully shading from orange through to saffron yellow. Delightfully fragrant. Not subject to blackspot.

OFFER EC128

ONE PLANT EACH OF ROSE KARL HERBST, ILLUSTRATED, AND FIVE OTHERS, AS DESCRIBED BELOW.

Value \$10.45 for **\$8⁴⁵** Post-paid

COUNTESS VANDAL. Exquisite buds of copper, bronze, pink and gold open to artistic blooms that are widely used for cutting and exhibition. **\$1.50;** 3 for **\$4.25.**

CRIMSON GLORY. The highest rated red rose today. It gives a quantity of fine blooms all summer and fall. Its large, urn-shaped buds open to deliciously fragrant flowers of intense, deep vivid crimson **\$1.65;** 3 for **\$4.50.**

ECLIPSE. This rose is famous for its exceptionally long, streamlined buds, often exceeding two inches in length, of unchanging brilliant golden yellow, on good cutting stems. Grows well everywhere. **\$1.65;** 3 for **\$4.50.**

KARL HERBST. Here is a descendant of Peace that won a gold medal in England and is fast becoming known in this country as a "Red Peace." The large well shaped fragrant blooms are extremely double, long lasting and a deep red in color. It is a sturdy grower with good foliage and makes an excellent plant that performs well in warm weather. **\$2.50;** 3 for **\$6.75.**

McGREY'S IVORY. The perfect white rose. Its long pointed, perfectly-shaped, ivory-white buds open into magnificent blooms of breath-taking loveliness. Moderately fragrant. A show winner. **\$1.50;** 3 for **\$4.25.**

THE DOCTOR. The buds are long and pointed and expand to enormous blooms of beautiful, glowing rosy pink. It is long lasting when cut and we think it is the most fragrant of all pink roses. **\$1.65;** 3 for **\$4.50.**



CLIMBING GOLDEN SHOWERS
Pat. 1557

1957 ALL-AMERICA WINNER

The first winter-hardy everblooming Pillar or Climbing Rose that actually blooms from early spring through late fall. The long pointed, deep yellow buds open to large 4 to 5 inch daffodil yellow, exquisitely shaped blooms. They are borne in great profusion on long, almost thornless, bronze cutting stems and are ideal for spectacular arrangements. The plant is vigorous and foliage is large, leathery, glossy and disease resistant. Grows to 8 ft. **\$2.75;** 3 for **\$7.50.**

4 New Everblooming Hybrid Tea Roses



AZTEC



CARELESS LOVE

AZTEC (P.A.F.). Here is a scarlet-orange so brilliant it fairly sizzles—deeper, richer and more scarlet than any you have ever seen! This spectacular new creation not only has fine buds and eye-catching blooms but they are near Rose perfection and are borne freely on a vigorous well-foliaged plant. \$3.00; 3 for \$8.45.

CARELESS LOVE (Pat. 1582). Genuinely unique, we predict this Rose will be the conversation piece of your garden. Strikingly similar to a variegated camellia in coloring, it combines red and white streaks, or whole petals rose and white, pink and white, and occasionally you might be surprised to find a pure pink, or an apricot-yellow bloom right on the same stem as the others. The plants are vigorous, hardy, producing fragrant flowers steadily through the season. \$2.50; 3 for \$6.95.



ISOBEL HARKNESS

ISOBEL HARKNESS (P.A.F.). A superb new yellow—bright and shining with no shading to mar the clarity of its gleaming color. And as the long tapering buds open to large graceful blooms, the color holds rich and unfading. The plant is a beauty, a vigorous grower with long stems and a wealth of dark green foliage. \$3.00; 3 for \$8.45.

FORT VANCOUVER (Pat. 994). The large, long pointed buds open to blooms of beautiful clear pink that are often of exhibition quality and 5 to 6 inches in diameter; and they have wonderful strong Damask fragrance. Vigorous upright plant with beautiful foliage. \$2.50; 3 for \$6.95.

Offer GC138: One each of Aztec, Careless Love, Fort Vancouver and Isobel Harkness (value \$11.00) for **\$9.95 postpaid in U.S.A.**



FORT VANCOUVER

DELIVERY: All orders for ROSES which total \$3.00 and over for shipment to one address will be delivered prepaid in the U.S.A. With ROSE orders for less than \$3.00, add 35c for postage and handling. (No Roses are shipped C.O.D.)

See Pages 1; 80 & 81 for Complete List of Roses.



GOLDEN WINGS

EVERBLOOMING ROSE

All Double White Philadelphia

MINNESOTA SNOWFLAKE, Plant Pat. No. 538 (illustrated). This new Mock Orange is an outstanding introduction. Every one of its hundreds of blossoms is double, and very sweet scented. Hardy as its name implies, vigorous in growth, it is a graceful, well branched variety, about 6 ft. in height at maturity. 2 to 3 ft. bushy plants. \$1.85 each; 3 for \$5.25

FROSTY MORN, Plant Pat. No. 1174. Like the variety above, Frosty Morn is very profuse with its all double, fragrant blossoms. With less height at maturity, about 40 inches, it is very useful in landscaping where medium size shrubs are needed. 18 to 24 in. stocky plants \$1.80 each; 3 for \$5.10



Philadelphia MINNESOTA SNOWFLAKE
Plant Patent No. 538
NEW DOUBLE MOCKORANGE

Everblooming Rose Golden Wings

GOLDEN WINGS, Plant Pat. No. 1419. This is a most unusual rose. Although classed as a hybrid tea it is hardy to the tip, and in a year or two will grow to the proportions of a shrub. The American Rose Society gives this variety a rating of 9.6, one of the highest ever given. Beautiful in the simplicity of its flowers, it is choice as an individual plant, and makes a superb, everblooming hedge or group. 2 year, No. 1 plants \$2.50 each; 3 for \$6.75.

Euonymus Emerald Leader

(Plant Pat. No. 881)

EUONYMUS CORLESSI.

Here is something new! An ornamental plant offering the broadleaf evergreen beauty of *Euonymus Vegetus* foliage, developed into bush form. It is versatile in use, and perfectly hardy where climate prohibits such broadleaf evergreens as holly and boxwood. Perfect for accenting a foundation planting, as a specimen plant or to soften the lines of a conventional evergreen planting. With an ultimate height of about four to five feet, it requires almost no shearing, but responds well to occasional trimming for shape or size. In fall there are bitter-sweet-type clusters of berries to add interest. A wonderful hedge where something choice is desired. We offer 15 to 18 in. bushy plants, abundantly rooted, @ \$4.50 each prepaid, \$12.75 per 3, \$40.00 per 10.



EUONYMUS CORLESSI

Ruby Red Weigela

WEIGELA BRISTOL RUBY (Plant Patent No. 496). The color is a sparkling ruby red, much more intense than the soft color of the pink Weigela so familiar. The flowers are produced in generous quantities in June and early July, then again a fine showing of bloom thru the summer and autumn. Few shrubs flower over so long a period as Bristol Ruby. Grows into a shapely, compact specimen needing very little if any pruning. Hardy even into New England and Canada. Certainly the best red Weigela. 2 to 3 ft. bushy plants \$2.25 each; 3 for \$6.25.



WEIGELA BRISTOL RUBY
Plant Patent No. 496

SEE PAGES 84 and 85 FOR DELIVERY INFORMATION AND OTHER SHRUBS AND TREES.

New Chrysanthemum Culture

Covers Garden With Bloom from Disease-free Plants

A new scientific culture has revolutionized chrysanthemum growing in both greenhouses and gardens. By planting our inexpensive rooted cuttings, taken from disease-free greenhouse plants, starting them in late May or early June, you can produce an autumn display of color rivaling the finest summer spectacles.

Our small, but healthy and vigorous cuttings grow without a check during favorable summer weather and by flowering time, if properly pinched (pruned) each will make a large, branching plant covered with flowers. Full cultural instructions sent with each order will explain the method of pinching to produce more blooms and control the height and shape.

Ten Mum Plants \$3
Postpaid for

10 disease-free rooted cuttings of top-grade named varieties of our selection, including Azalea-like, dwarf large double and medium large double flowering classes, with cultural instructions, prepaid for \$3.

Five Classes of Plants Offered

AZALEA-LIKE (CUSHION) Mums. Low growing, compact plants completely covered with double flowers 1½ to 2 in. Blossom in September.

- CH 101 White
- CH 102 Yellow
- CH 103 Pink or orchid
- CH 104 Red
- CH 105 Bronze

DWARF BUTTON CLASS. Small double button flowers 1 in. or less, covering bushy plants averaging 1½ ft. tall. For spot planting or low borders. Blossom in September.

- CH 301 White
- CH 302 Yellow
- CH 303 Pink
- CH 304 Red
- CH 305 Bronze

MEDIUM BUSHES, Large double flowers. Suitable for border background, alongside of buildings or as hedges averaging 3 ft. tall, flowers 3 to 4 in. Blossom in September.

- | | | |
|---------------|-------------|---------------|
| CH 501 White | CH 503 Pink | CH 505 Bronze |
| CH 502 Yellow | CH 504 Red | CH 506 Purple |

SPOON CLASS. Spider-like flowers with tubular petals, up to 6 in. across. Stems 3 ft. For spot planting and garden focal points. Blossom in early October.

- CH 601 White
- CH 602 Yellow
- CH 603 Orchid
- CH 604 Pink
- CH 605 Bronze

DWARF BUSHES, Large double flowers. Low compact plants, 3 to 4 inch double flowers, plants average 2 ft. tall. Blossom in September.

- CH 401 White
- CH 402 Yellow
- CH 403 Pink or orchid
- CH 404 Red
- CH 405 Bronze



Red



Pink or Orchid



Yellow



White



Yellow Button

Your Choice of Class and Colors. Shipped Prepaid.

At least 5 plants of the same class and color must be ordered. All plants of the same class and color shipped to you will be of the same top-quality garden variety. This enables us to insure prompt delivery at the lowest prices we have ever offered on high grade plants.

- Minimum order, 20 plants, not less than 5 of some class and color, prepaid \$7.00.
- 25 to 50 plants, not less than 5 of same class and color, prepaid 35c each.
- 55 to 95 plants, not less than 5 of same class and color, prepaid 30c each.
- 100 or more plants, not less than 5 of same class and color, prepaid 25c each.

Special Offer of Mixed Varieties

CH 1958. Collection of Plants of the five different classes described above, including flowers of four different colors in each class, insuring 20 different varieties of our selection in each collection. All plants will be labeled as to class.

- 20 plants of 20 varieties, our selection, prepaid \$7.00
- 40 plants of 20 varieties, our selection, prepaid \$12.00
- 80 plants of 20 varieties, our selection, prepaid \$20.00

PINCHING MUM PLANTS

The first pinch should be made about 10 to 14 days after planting (see illustration). By pinching you make the plant branch, control height, and shape and produce more blooms.

The second pinch should be made 3 weeks after the first pinch. If you desire low bushy plants for the border a third pinch should be made during last week of July. For taller or cut flower purposes make only two pinches, but in no case should the last pinch be made in Northern states later than the last week of July.



1st Pinch

2nd Pinch

New Flowers and Specialties

Salmon Pink Petunia Wins All America Medal

4082 PETUNIA MAYTIME. (F1 Hybrid.) 12 in. After giving awards for 3 years to red petunias, All America judges broke the spell and pinned a 1958 bronze medal on the lovely salmon pink flower illustrated below. Those to whom pink is the most beautiful color will rejoice at this great improvement. A little deeper than in Petunia Linda, the color is more even. Flowers measure $3\frac{1}{4}$ to 4 inches, on compact plants 12 inches tall with a spread of 24 to 30 inches. Grow it in borders, beds, planters, pots or window boxes and everywhere it will be charming. As with all F1 hybrids, flowers are abundant and all alike. Pkt. 50c.



4082 Petunia Maytime. F1 hybrid. Pkt. 50c.

A new type of Zinnia Illustrated on front cover

5920 ZINNIA MISS UNIVERSE. Giant flowers on dwarf plants make a combination new to the zinnia race, sure to be welcomed by home gardeners who have so many places suited to low growing plants.

All the flowers are huge, some measuring 7 inches across. Their colors include new tones of gold, red, and orange, pastel pinks, white and cream. There are also striking bicolors never seen in zinnias before, such as pink with red centers, yellow with scarlet centers, buff and apricot with orange, red and lavender.

The low growing habit is due to base branching, new stems growing from the ground level instead of from other stems. This gives you long stems for cut flowers without increasing the height of the plants. Average plants are no more than 2 feet tall, compared to 3 feet or more for other large flowered zinnias. Height is not increased by hot weather, but the plants remain dwarf and attractive in appearance, with giant flowers. You will want to try this distinctly new type while it is still a mixture. It is so rich in novel forms and colors that many selections are sure to be bred to come true in named varieties. You can be the first to introduce the new type to your neighborhood. Pkt. 25c.



Panorama Snapdragons Include All the Family Colors

441 SNAPDRAGON PANORAMA. F2 generation. These are the children of F1 hybrids and among them are not only the colors of the parents, but of their grandparents and more remote ancestors in a mixture guaranteed by Mendel's law to be well balanced.

An F2 generation is a treasure chest in which plant breeders search for and often find colors which they did not know existed. It is the origin of most new varieties. There may be in the packet which you buy colors unknown to the seed catalogues.

Colors which you can be sure of include velvety red, canary yellow, soft orchid and rose pink. Plants will grow from 24 to 32 inches tall. All the plants inherit exceptional vigor and were bred to withstand the summer weather of the east and middle west. You will enjoy the robust, healthy, free blooming plants and acquire an improved opinion of snapdragons. Pkt. 35c.

A Group of Dwarf Marigolds All Named Petite

This is the first time an All America bronze medal has been given to a group of three varieties which differ from each other in color and form but are alike in habit of growth, which is emphatically DWARF. The introducer has now added a fourth color "Petite Yellow" to complete the group.

All four varieties were bred especially for uniform dwarfness, early flowering and abundant bloom, the qualities most valuable for borders and mass effects.

They are so early the plants blossom in flats, when started under protection. They are 6-inches tall and 10-inches wide at maturity. The fully double flowers are borne all summer in profusion, as many as 50 blooms at a time on one plant.

You can buy the 4 varieties separately or as a mixture. The color and form of each variety are easily recognized in the illustration.

3116 MARIGOLD PETITE YELLOW. **3117 MARIGOLD PETITE GOLDEN.**
3118 MARIGOLD PETITE HARMONY.
3119 MARIGOLD PETITE ORANGE. **3120 MIXTURE OF ALL FOUR.**

Packet of each, as specified, 35c





Two-toned Petunia For Contrast

4029 PETUNIA GLITTERS. F-1 hybrid. All America bronze medal, 1957. If you like two-tone effects you will love this red and white petunia, the first of its color with F1 hybrid vigor and uniformity. As botanists say, it is nana compacta type, meaning small and compact. Eight inches tall, with 2 inch flowers, it is covered from spring to fall with blossoms of Fire Chief red and purest white. For edging or low growing beds and borders it is an ideal subject. Pkt. 50c.

Twinkle, Little Star Phlox

4180 PHLOX TWINKLE DWARF STAR MIXED. (ALL AMERICA BRONZE MEDAL 1957) This name just fits these little flowers, which cover plants that grow 8 inches high and are slightly flattened on top. The tiny flowers have pointed petals, some zoned with contrasting colors, others with colorful eyes. Colors range from light pink through salmon, rose, rose-pink, mauve, white, wine-red, cerise and crimson in dazzling combinations. This is a flower for edging beds and borders, or planting in masses in front of taller beauties. It decorates pots and window boxes brilliantly. Pkt. 35c.

Stocks for Hot Summers

4930 TRYSONIC 7 WEEK STOCKS. Wherever spring is late and short and summers hot, beautiful double stocks have been difficult if not impossible to flower in gardens. Plant breeding magic has changed this with Trysonic Stocks. Trysonic means that three genes in the organs of inheritance concentrate on producing double flowers. In addition, the characteristic of early flowering, possessed by the parent Ten Week Stocks, has been strengthened to give flowers in seven weeks after sowing. In our Chicago trials last summer these stocks were in bloom exactly seven weeks from planting. They have a brilliant color range from white through pink, rose, deep crimson, dark blue and purple. Plants are bushy and branching, 12 to 15 inches tall. Pkt., 35c.



4930 TRYSONIC 7 WEEK STOCKS. Pkt., 35c.



New Red Petunia

4028 PETUNIA RED SATIN. (F-1 hybrid) 10-12 in. (ALL AMERICA BRONZE MEDAL 1957) Its compact globe-shaped plants hold their form through the summer, never becoming straggly. Vivid, shining, scarlet-red flowers, 2 1/2 to 3 inches across, are borne in abundance throughout the season. You can expect 30 blooms open at once on every plant. Sun does not fade the color, or dry heat reduce the flowers. It is admirably suited to low beds or borders, or for generously blooming pot plants. Pkt. 50c.

4034 PETUNIA PINK SATIN. The color, a rich brilliant rose pink is relieved by the spot of white deep in the throat. Flower size, plant habit and freedom of bloom are identical with that of Red Satin. Pkt., 50c.



4180 PHLOX TWINKLE DWARF STAR MIXED. Pkt., 35c.

Dwarf Rose Periwinkle

5780 VINCA LITTLE PINKIE. A new dwarf selection of Periwinkle in a rich rose color. Plants are dwarf and compact. Very free flowering. Holds up well under heat and sun; equally good in shade. Suggest seed be sown indoors and small plants set out after danger of frost. Seeds may be sown in February or March in living room temperature. As soon as the seedlings are large enough to handle they should be transplanted into plant bands or small pots and kept in the house until all danger of frost is over. This is a tender perennial from Madagascar, usually treated as a tender annual. It flowers all season until killed by frost. Pkt., 25c.



5780 VINCA LITTLE PINKIE. Pkt., 25c.



3183 MARIGOLD DAINTY MARIETTA. Pkt., 25c.

Dainty Dwarf Single

3183 MARIGOLD DAINTY MARIETTA. With all the charm of popular Naughty Marietta, which it resembles, this petite cousin differs most attractively in size and coloring. Its more compact growth and 10 inch height make it ideal for ribbon planting, yet the stems are long enough for cut flowers. Soft golden yellow blossoms 2 inches across have a maroon blotch at the base of each petal. The crested center can best be described as a small yellow tuft of closely packed wax-like petals with a generous sprinkling of black pepper. In our trials it was in full flower in early July and still gay in late September. Pkt. 25c.

5740 VERBENA DWARF DELIGHT. Clear coral pink suffused salmon. A distinct new color in this Verbena group. In habit and freedom of bloom it is identical with Sparkle and Crystal. The soft color lends itself readily to the color scheme in the garden border where mass effect is desired. 6 to 7 in. Pkt., 35c.



5740 VERBENA DWARF DELIGHT. Pkt., 35c.



4024 PETUNIA SKY CHIEF. Pkt., 25c.

4024 PETUNIA SKY CHIEF. The soft color of Heavenly Blue and the dwarf compact, free flowering qualities of Snowball Improved are combined to make this one of the most interesting Petunia varieties for the coming season. The pale blue color shows less inclination to fade under warm weather conditions than others in this color group. Pkt., 25c.

Tetraploid Ageratum

225 AGERATUM DWARF GIANT BLUE TETRA. (*Blue Mink*) 10 in. A true "tetra" with unusually large flowers, borne on stiff stems that hold them well above the foliage. Grown from seed, the plants are uniform and compact, comparing favorably with the varieties Riverside and Cardinal Mundelein which are propagated from cuttings. A row of this in our Western Springs Trials was a sheet of true Ageratum-blue. While the stems rise well above the foliage, they are not conspicuous, still are long enough to permit cutting for use in low bowls and flower arrangements. Pkt., 35c.



225 AGERATUM DWARF GIANT BLUE TETRA, Pkt., 35c.

Pink and White "Spider Plant"

1803 CLEOME PINK QUEEN. 4 ft. Huge heads of delightful and refreshing true pink. Well branched, airy foliage, blooming from June until frost. Excellent background subject. Pkt., 25c.

1804 CLEOME HELEN CAMPBELL. Large glistening pure white flowers on tall, vigorous, light green stems. A sport from Pink Queen, coming into bloom slightly earlier and with larger flower-heads. 4 ft. Pkt., 25c.



1803 CLEOME PINK QUEEN, Pkt., 25c.



Pink Morning Glory

2945 MORNING GLORY CANDY PINK. The first pure pink Morning Glory. Large 4 inch flowers of the brightest rose-pink coloring, clear and sparkling. The bright and cheerful flowers last but one day, though each morning masses of new flowers are born and continuing thus throughout the Summer and until frost. Planted alone, or as a companion to Heavenly Blue Morning Glory this lovely flower will provide a spectacular display when grown on a trellis, or allowed to trail from a planting box or the top of a pillar. Pkt., 25c.

Rosy Bachelor Buttons



1515 CENTAUREA CYANUS DOUBLE ROSIE.
Pkt., 25c.

1515 CENTAUREA CYANUS DOUBLE ROSIE. Large fully double flowers of rich rose with a salmon overcast. A new color and welcome addition to the Super Giant Cornflowers. Pkt., 25c.

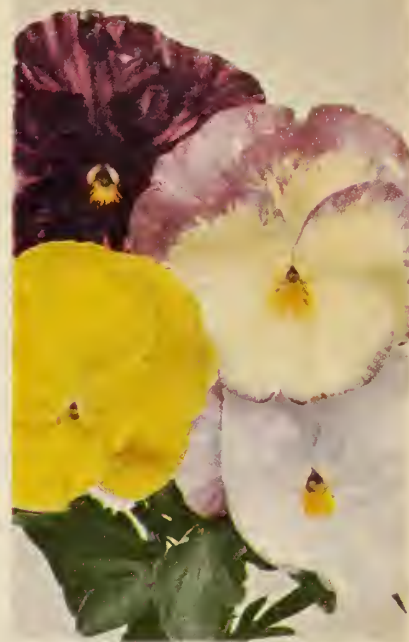


2112 ANGEL'S TRUMPET IVORY KING

Triple Angel's Trumpet

2112 ANGEL'S TRUMPET IVORY KING (DATURA). "Crown-in-crown" flowers of that enchanting rich Golden ivory coloring one finds in antique ivory chessmen, which blends perfectly with all other colors. Ivory King is a vigorous growing annual that is in bloom from mid-July until frost. Plants about 30 in. tall, as broad as they are tall. Pkt., 35c

CAUTION: Seeds of the **Castor Bean (Ricinus)** and **Angel's Trumpet (Datura)** are poisonous and every care should be taken to keep them away from children who are attracted to them by their bright appearance.



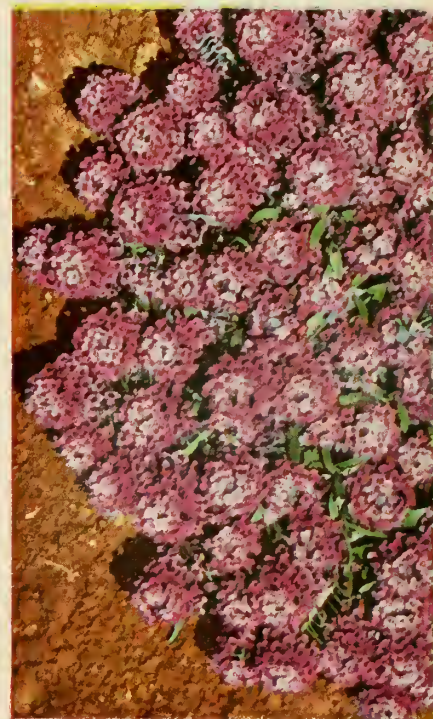
Scotch Violas

8582 SUPER LARGE FLOWERING SCOTCH. Preferred by specialists, Scotch Violas are much larger than Jersey Gen type, all two-toned in lovely clear colors without blotches. In continuous bloom under good culture; sturdy compact growth, outstanding bedding material. Pkt., 25c.



1443 CELOSIA TOREADOR, Pkt., 25c.

1443 CELOSIA TOREADOR. 18 in. Large velvety combs up to 12 inches across, of lustrous bright red with scarlet highlights. Stems are stiff and sturdy with luxurious bright green foliage. Most plants produce but one stem with one enormous comb, the balance having two or three base-branching stems each with a large comb. Excellent as a bedding plant or for cutting. Holds color well when dried, if stored in a cool dry place away from sun. We suggest combining with Marigold Cupid Primrose (3196), for an unusual effect. Pkt. 25c.



Alyssum Spreads a Violet Carpet

265 ALYSSUM ROYAL CARPET. 4 in. All America Silver Medal, 1953. A rich violet-purple of compact spreading habit. Remarkably uniform in color and growth, the perfect companion to Carpet of Snow (Vaughan's Little Gem). Coming into flower very quickly and lasting throughout the entire season. Pkt., 25c; 1/4 oz., 75c.



3147 MARIGOLD CRACKERJACK, Pkt., 35c

New Giants

3147 MARIGOLD CRACKERJACK. Giant blooms, all of which exceed 5 inches in diameter in a full range of Marigold colors—primrose through yellow to gold and brilliant orange. The compact plants attain a height of 30 to 36 inches and carry the giant blooms in full view above the foliage. Flowers well in advance of Early Sunset Giants. A noticeable lack of single flowers, earliness and freedom of bloom combine to make this new Giant Marigold a popular addition to the garden where it can be used for background as well as cutting. Pkt., 35c.



3137 MARIGOLD GLITTERS. Pkt., 25c.

Big Flower, Small Bush

3137 GLITTERS. All America Bronze Medal 1951. It has large clear yellow double chrysanthemum flowered blooms, bushy erect plants, 2½ ft. tall with long cutting stems. Foliage dark green, rich background for the 3 to 4 inch flowers of clear yellow with fringed outer petals. Pkt., 25c.

A Gem for Cutting and Edging



3157 VAUGHAN'S SPECIAL MIXTURE SMALL FLOWERED SORTS. Pkt., 25c.



Pure Gold Celosia

1451 GOLDEN FLEECE. A pure gold with tremendous plumes for garden and cutting. Easily grown, thrives in all locations and does exceptionally well in hot summers. Pkt., 25c.



3172 MARIGOLD PRIMROSE GEM. A cool, fresh primrose yellow—like captured spring sunshine. Fully double flowers smother the round compact plants. One of the earliest Marigolds to flower, yet was still in bloom when frost came. Plants are about 10 inches tall, perfect for a medium-low edging. Delightful with Blue Ageratum. Equally fine for cutting, as flowers measure 2 to 2½ inches across. Pkt., 25c.

All the Dwarf Marigolds

A delightful group of highly decorative small flowered marigolds has been developed in the last few years. The increased color range extends from bright yellow to darkest maroon, with many attractive blends of yellow, red and orange. Their great variety lends interest to bowl arrangements and there is no better subject for the cutting garden than a mixture of small flowered marigolds.

3157 VAUGHAN'S SPECIAL MIXTURE of small flowered marigolds, including Gnome, Red Head, Naughty Marietta, Royal Scot, Harmony, Melody, Yellow Pigmy, Scarlet Glow, Robert Beist and others Pkt., 25c.

For the difficult spot in your garden, try Coleus Vaughan's Rainbow Mixture. Does well in shaded and semi-shaded locations where protection from the bright sun brings out the rich colors. Take a few cuttings from your plants to grow on in the house for winter flowering.



3910 PANSY COLOR CARNIVAL, Pkt., 35c.

One of the Largest, a Pink Pansy

3901 PANSY SWISS GIANTS RASPBERRY ROSE.

Pink is a rare color among pansies. This lovely variety is a Swiss Giant, of which the blossoms can be grown to exceed 6 inches in diameter. The color is well reproduced by the illustration; the experts call it raspberry rose. Edges of the petals have a lighter tone, and this, together with the dark velvety blotches on the petals, enhances the charm of the flower. A solid bed of this variety, planted in the shade, can be kept blooming all summer, if the faded flowers are kept picked off. Pkt., 35c.

American Giant Pansies

3910 PANSY COLOR CARNIVAL. An American bred strain with its hybrid vigor that far surpasses the Swiss Giants in size of flower, depth of color and plant habit. A good range of color including many reds and scarlets, all flowers blotched, giving a brilliancy and depth most satisfying to all. Pkt., 35c.



3901 PANSY SWISS RASPBERRY ROSE.
Pkt., 35c.

Petunias for Color

F-1 Bedding Varieties (Multiflora)

Flowers of good size freely produced on compact bushy plants, providing a wealth of bloom through the season. 15 in.

- 4010 LINDA (Improved Silver Medal). Rich salmon-pink.
- 4013 APACHE. Bright rose red.
- 4014 COMANCHE. Deep scarlet red.
- 4016 PALEFACE. Pure white.
- 4026 AZTEC. Scarlet salmon with gold throat.
- 4027 INCA. Bright rose-red with gold throat
- 4031 SIOUX. Medium salmon rose.

Each of the above: Pkt., 50c.

F-1 Grandiflora Varieties (Large Flowering)

Base branching, compact habit, free flowering. Flowers average 3½ to 4 inches across on plants 15 to 18 inches tall.

- 4046 FIRE DANCE. Salmon red, golden yellow throat.
- 4053 SERENADE. Velvety dark blue, cream-white stamens for contrast.
- 4054 PRIMA DONNA. Bright rose pink.
- 4057 LA PALOMA. Pure white, yellow throat.
- 4061 BALLERINA. Soft glowing salmon.
- 4080 TANGO. Deep salmon shading to scarlet-salmon nearer throat.

Each of the above: Pkt., 50c.



Illustrates the freedom of bloom of the F-1 Bedding Petunias.



Illustration is representative of the flower size in the F-1 Grandiflora Petunias.

PETUNIA F-2 COLORAMA (Nana Compacta Mixed) Home Gardeners Love This Petunia

4033 PETUNIA COLORAMA. Home Gardeners have showed us that they are fussy about colors in mixed flower seed. In the past, they have not liked mixtures of separate varieties of F-1 Petunias because the individual items stand out and don't form a harmonious blend.

Colorama is a blend grown to give a complete color range, without clashing contrasts, with all the good qualities of F-1 Hybrids.

Uniform in height, early flowering and vigorous in growth, Colorama produces 2½ to 3 inch flowers ranging from pure white to light and medium salmon, warm scarlet, scarlet-salmon, fiery red, light and medium pink and rose. Some have gold or topaz throats, yet harmonize perfectly with the clear colors. Shades of blue, starred and various bicolor shades are also produced, yet do not seem out of place with other colors.

We consider this to be the outstanding Petunia mixture to date. Pkt., 35c.



3949 PETUNIA Colossal Shades of Rose. Pkt., \$1.00.

Best All-Double Pink

3949 COLOSSAL SHADES OF ROSE. 18 in. Largest All-double variety of American introduction. Silver Medal 1946. Plants of luxuriant growth bear 4½-inch flowers in abundance, varying in color from light pink to deep, purplish rose some being fringed and some plain-edged. Lovely in bowl arrangements. Pkt., \$1.00.



4174 PHLOX BEAUTY MIXED. Pkt., 25c.

Largest Flowering Dwarf Phlox

Beauty Phlox has the largest flowers of any. It grows round compact bushes 6 to 8 in. in height, covered with large blooms which are almost twice the size of the older strains. The colors are clear and soft, many pure self colors. Sow the seeds directly where they are to grow. Seeds germinate in 20 days.

4166 BLUE BEAUTY 4169 PINK BEAUTY 4170 SALMON BEAUTY
4171 SCARLET BEAUTY 4173 WHITE BEAUTY

4174 BEAUTY MIXED. A formula blend, including all colors shown in our illustration.

Each of the above, pkt., 25c.

New Giant Cactus Flowered Zinnias

This new strain of zinnias, whose giant flowers, 5 inches or more across, have charmingly irregular petal formations and arrangement, becomes increasingly important with the selection of more single colors which come true from seed, and have a special soft but brilliant pigmentation.

The petals of these flowers resemble those of dahlias of the cactus and semi-cactus classes. Some petals are attractively quilled, others gracefully curled, and all are different from the rather stiff formality prevailing in zinnias of older strains.

Our Color Illustration of Zinnia Blaze is representative of flower type.

5880 BLAZE. Brilliant mandarin-red flowers which soften to scarlet-orange as flowers attain size. Pkt., 35c.

6039 ESKIMO. Opens creamy white, changing to pure white. Pkt., 25c.

5857 FLORADALE SCARLET. Intense scarlet red. Pkt., 25c.

6038 RIVERSIDE BEAUTY. Warm azalea-pink. Pkt., 25c.

6040 SUNNY BOY. Rich butter-cup yellow. Pkt., 25c.

6035 CACTUS FLOWERED MIXED (Giant Burpee Hybrids). A truly outstanding blend which includes color never before found in Zinnias. Many lovely pastels, all with irregular petal formations, some quilled, others curled but all lend themselves gracefully to flower arrangement. Pkt., 25c.

5880 ZINNIA BLAZE. Pkt., 35c.



4669 SALVIA ST. JOHN'S FIRE. Pkt., 35c

Reddest of all Salvias

4669 SALVIA ST. JOHN'S FIRE. Our own reselected strain coming into flower early, while the plants are but a few inches tall, and remaining in bloom until frost. The bright scarlet spikes stand densely and rigidly upright above the foliage on the uniformly compact plants. Pkt., 35c.

Salvias are easily grown from seed started in a cold frame, electric-heated hot-bed, or an indoor seed box in a sunny window. Varieties of the species splendens, to which St. John's Fire belongs, are tender and should not be set out in the garden until danger of frost is over. An excellent way to grow the plants is in plant bands, in which seed are sown, or seedlings are transplanted from the seed box as soon as they have made true leaves. Seed germinate in 15-20 days. Start seed in the house four weeks before the sale date to move outdoors, six weeks before this date if grown in an electric hot-bed.



Gay Candy Striped Zinnias

6180 ZINNIA PEPPERMINT STICK MIXED. An interesting new development in the popular striata or striped type, reselected for a wider color range, including red and white, red and yellow, pink and white, orange and white and purple and white. Plants are somewhat taller than the Pumila type, flowers are medium sized. Early to flower, they are produced in profusion until frost if kept picked. Pkt., 25c.





Left to right: BLACK KNIGHT, GUINEVERE, GALAHAD, SUMMER SKIES, KING ARTHUR.

GIANT Delphiniums

Culture: B, D or E, Page 57

Because of superiority to other strains, in many important points, Pacific Hybrid delphiniums have become by far the most popular in this country. We offer its named varieties with the assurance that they come so true from seed, you may count upon plants with little if any variation from the variety description. Plants are 60 to 65% mildew resistant. The stems are straight, strong and whippy, not easily broken by wind. Flowers are enormous, and set close together forming lovely plumes of color. Hybrid delphiniums dominate the garden in late June. In deep, rich soil they grow six feet or more tall, with long spikes of vivid color, or clear white. Besides the Pacific Giant hybrids we offer others which in our opinion are the best available in the world. Seeds germinate in 20 days

7535 ASTOLAT. Flowers in varying tints of blush pink, true pink and mulberry pink, all with dark bees. Pkt., 75c.

7559B BLUE BIRD. A clear medium blue with white bee.

7563 BLACK KNIGHT. Varying dark violet shade.
7559A BLUE JAY. From medium to dark blue with dark bee.

PLANTS: 3 for \$2.50; 10 for \$8.00.

7563A CAMELIARD SERIES. Pure lavender white bee.

7560 GALAHAD. Clear white, mildew resistant

PLANTS: 3 for \$2.50; 10 for \$8.00.

7561 KING ARTHUR. Royal violet, large white bee

7565 PERCIVAL. Large glistening white flowers with contrasting black bees.

7561A GUINEVERE. Light pink lavender, white bee

PLANTS: 3 for \$2.50; 10 for \$8.00.

7562 SUMMER SKIES. Light blue with white bee.

PLANTS: 3 for \$2.50; 10 for \$8.00.

7559 ROUND TABLE SERIES. A blend which includes all the above color combinations.

PLANTS: 3 for \$2.50; 10 for \$8.00.

EACH OF ABOVE EXCEPT AS NOTED.

SEED. Pkt., 50c; 2 pkts., for 90c.

PLANTS AVAILABLE ONLY WHERE PRICED

Below: 2240 DIANTHUS Wee Willie and
7523 DELPHINIUM Chinese Blue Mirror.
Each Pkt. 35c.



7535 DELPHINIUM ASTOLAT. Pkt., 75c.

Loveliest Columbines



7162 AQUILEGIA McKANA HYBRIDS.
Pkt., 50c.

7162 AQUILEGIA McKANA HYBRIDS. 3 ft. Bronze Medal All America Selections 1955. A truly outstanding strain of rich colored, large flowering Columbine. Larger flowers, longer spurs and a much richer color range make this an important addition to the perennial group for garden and cutting. Strong bushy plants with striking terminal flowers well supported on long wiry stems above the lacy foliage. Pkt. 50c.

7156 AQUILEGIA LONG SPURRED CRIMSON STAR HYBRIDS. The brightest red Columbine, long spurs and outer petals, rich crimson, center petals white; about 10% will be other interesting bicolors. Three-inch flowers on 2-foot stems.

SEED. Pkt., 25c.

PLANTS. 3 for \$2.00; 10 for \$6.25

Chinese Larkspur and Sweet William

Illustrated on the left is a charming combination planting of the navy blue Chinese larkspur Blue Mirror and a new annual sweet william Wee Willie. Both blossom from seed the first year.

Wee Willie is a distinctly new strain of annual sweet william which is extra dwarf and compact in habit, making it an ideal edging plant. It has single flowers 3-4 inches in diameter, borne in clusters of 4 to 6 flowers. There are self, zoned and edged flowers in combinations of crimson, ruby, deep rose pink and white. The first flowers open when the plants are about 2 inches tall. Flowers reach their peak 7 to 8 weeks after sowing. Plants are 4 to 6 inches in height, 4 inches across. Their bright colors are enhanced by the deep navy blue flowers of Blue Mirror.

2240 ANNUAL SWEET WILLIAM WEE WILLIE. Pkt. 35c.

7523 CHINESE LARKSPUR BLUE MIRROR. One of the few true navy blue flowers. Pkt. 35c.

Other Chinese Larkspur

Though Chinese larkspur (Delphinium) blooms from seed the first year if sown early it is a hardy perennial which will live for many years. Its flowers are borne on numerous stems which grow 2 to 3 feet tall and new buds mature throughout the summer and fall. Their pure tones of light and dark blue are not only beautiful in themselves but lend added charm to other colors for which they furnish a background. They are also used in mass plantings in formal beds with borders of harmonious colors. Their strong stems rarely need staking.

7520 CHINESE BLUE. 2-3 ft. Gentian blue. Pkt. 15c.

7525 —ALBUM. 2-3 ft. Pure white. Pkt. 15c.

7522 —CAMBRIDGE BLUE. A good light blue. 2 to 3 ft. Pkt. 25c.

7530 —MIXED. Pkt. 15c.



Selections that Belong in Every Garden

In the following color pages, we have concentrated the best of America's most popular annuals. These are flowers that belong in every garden. Easy to grow, lovely to look at, annuals that produce their flowers in one short season from seed.

These have been selected from our listings of flower seed, the largest list in the world today.

To the advanced gardener, and to the beginner with a venturesome mind, we also recommend the following section (see page 43) which includes many of the less well-known items. Although many of these may be more difficult for the beginner to grow, they include some of the world's loveliest annuals and provide a challenge to the gardener who desires something really different.

Because of dual listings, we suggest that in looking for an annual of which the name is known, you consult the index.

Ageratum

Culture: A, B, D or E, Page 57

One of the best sources of blue-purple flowers which are so important to balance color-effects in the garden. Its dense, tightly clustered heads of tubular flowers are borne freely until killing frost. Germinates in 5-10 days.

195 MIDGET BLUE. 3 in. Of varieties suitable for ribbon-planting this is the most uniform in habit and even in color, when grown from seed. Flowers of ageratum-blue smother the globular plants. Pkt., 25c.

197 BLUE BALL IMPROVED. 6 in. Flowers are of deep periwinkle blue, covering the compact plants which have dark green foliage. Pkt. 25c.



195 AGERATUM Midget Blue. Pkt., 25c.

214 FAIRY PINK. 5 in. A compact dwarf of soft salmon pink which begins to flower when 2 inches high and develops into a compact mound of bloom. Pkt., 25c.



Amaranthus

Culture: A, B, D or E, Page 57

275 TRICOLOR (JOSEPH'S COAT). 2½ ft. The inner foliage is blackest bronze, tipped with green, the outer bright scarlet and gold. Pkt., 15c.

Alyssum for Fragrance in the Border



259 ALYSSUM Violet Queen. Pkt., 15c.



255 Ribbon Planting of Vaughan's ALYSSUM Little Gem. Pkt., 15c.

ANNUALS FOR FRAGRANCE

Alyssum	Heliotrope	Petunio
Candytuft	Lantana	Scabiosa
Carnation	Matthiola	Stocks
Centaurea	Mignonette	Sweet Peas
Impatiens	Nasturtium	Wallflower
Dianthus	Nicotiana	

2118 FRAGRANT ANNUALS MIXED. A mixture of the above varieties. Pkt., 25c.

4746 ANNUALS FOR SHADE MIXED. Pkt., 25c

BEGONIAS: For a complete listing see our list for the Home Greenhouse and House Plants From Seed. Page 55.

IDEAL EDGING PLANT

For ribbon planting, or edging beds and borders the white and violet alyssums are ideal. Fragrant, dwarf, bushy, everblooming, and easy to grow from seed sown direct, they never fail to delight.

Culture: A, B, D or E, Page 52

Seed germinates in 5-10 days

255 VAUGHAN'S LITTLE GEM (White Carpet). 4 in. The plants are so completely covered with a froth of tiny snow-white blossoms they create the impression of a beautiful white carpet. Sweet Alyssum puts a lace frill to any garden and enhances the colors of every flower. 1 oz., \$1.80; ½ oz., \$1.00; ¼ oz., 55c; pkt., 15c.

250 MARITIMUM (Sweet Alyssum). 10 in. Flowers white and honey-scented, produced from early in the season, until freezing. Not recommended for

edging, but for fragrance and mass effect. Mix the seed with sand to prevent sowing too thickly. Pkt., 15c.

259 VIOLET QUEEN. A beautiful, fragrant sweet Alyssum, of bright clear violet hue, holding its colors through the hottest, driest summer. Can be sheared like white Alyssum and grows luxuriantly, covered with bloom from early summer to freezing. It flowers in 45 days from seed in the open. ½ oz., 35c; ¼ oz., 60c; ½ oz., \$1.10; 1 oz., \$2.00, pkt., 15c.

256 VIOLET & WHITE MIXED. Pkt., 25c



Arctotis (African-Daisy)

Culture: A, B, D, or E, Page 57

For Dry Sandy Soils. Seed germinates in 20 days.

451 NEW HYBRIDS 8-12 inches. A new race resembling the famous Gerberas, but much easier to grow in the garden. Flower 2½ to 3 inches; likes a dry, sunny location. Excellent as a border plant and fine for cutting. Pkt., 25c.

Princess Asters

WILT RESISTANT

Vaughan's Princess Asters are characterized by full crested centers surrounded by several rows of guard petals, producing fully double flowers. Plants are branching. Early and free bloomers, they make splendid cut flowers. 2-2½ ft.

632 VAUGHAN'S MIXTURE OF PRINCESS ASTERS. Our own formula blend which includes a complete color range of the most popular sorts. Pkt., 25c.

GIANT BRANCHING 2 TO 3 FT.

The branching habit is accompanied by vigor of growth and profusion of bloom. The flowers are large, very double, stems long and colors vivid.

- | | |
|------------------------|---------------------------------|
| 905 AZURE BLUE. | 904 CRIMSON. |
| Dark lavender. | 901 WHITE. |
| 903 DEEP ROSE. | 902 SHELL PINK. |
| 906 PURPLE. | 908 SENSATION (SCARLET.) |

Each of above, pkt., 15c; any 3 pkts., 40c.
898 MIXED. ⅛ oz., 50c; pkt., 15c.

GIANT CREGO Ostrich Feather 2 ft.

The flowers are immense on long stems. The petals are curled and twisted, plants branching. Flowers in abundance from late August until frost.

- | | |
|-----------------------|--------------------|
| 561 CRIMSON. | 565 PINK. |
| 563 DEEP ROSE. | 566 PURPLE. |
| 564 LAVENDER. | 569 WHITE. |

Each of above, pkt., 15c; any 3 pkts., 40c.
575 MIXED. ⅛ oz., 50c; pkt., 15c.

AN OLD FAVORITE

In the opinion of many it has never been surpassed.

929 HEART OF FRANCE. 18-24 in. Opens red as the purest ruby, deepens with age and retains its remarkable color to the very end. The petals show a soft warm velvety texture. Pkt., 25c.

QUEEN OF THE MARKET (EARLY) 2 FT.

The favorite early Aster, usually in full bloom two weeks before most others begin to blossom. Of graceful spreading habit.

928 MIXED. Pkt., 15c.

Early Giant 1½ to 2 ft.

An early type of California Giants with very large flower and strong heavy stem.

544 EARLY GIANT MIXED. The fully double flower, with its long graceful petal, daintily plumed and intertwined is borne on long stems well suited to cutting or garden display. In a complete range of color, white, soft blues, rich rose, crimson and delicate pink. Pkt., 25c.



887 GIANT CALIFORNIA SUNSHINE MIXED. 2 ft. The flowers 4 to 5 in. across; are composed of a single row of loosely placed outer petals which contrast with the unique yellow quill-like center discs. Stems long and heavy on plants 2 to 3 ft. in height. Blooms early to mid-September. ¼ oz., 75c; pkt., 25c.

Wilt Resistant Asters

Culture A, B, D or E, Page 57

If planted in the garden among other plants, Asters do not seem as susceptible to disease as when planted in solid blocks. Wilt Resistant varieties are resistant to most of the Wilts that cause the seedlings to sag suddenly and die before they can bloom.

Aster Yellows are somewhat more difficult to control. Spraying with Lindane or D.D.T. to control leaf hoppers helps somewhat. Best preventative is to grow Asters inside a screen or cloth house such as is used for Dahlias. Plants in the open garden are subject to constant attack, so persistent, regular spraying is needed to kill the leaf hoppers that carry the disease. Aster seeds germinate in 8-10 days.



689 ASTERS Super Giant Mixed. Pkt., 25c.

SUPER GIANT 3 FT.

Spectacular in the garden and valuable as a cut-flower because of its long, wiry, non-branching stem and huge ostrich feather flowers. Blooms late summer to frost.

- 680 BEVERLY HILLS.** Azure blue.
- 681 EL MONTE.** Crimson.
- 682 HOLLYWOOD.** Pure paper white
- 683 PASADENA.** Peachblossom.
- 684 SANTA BARBARA.** Dark Purple.
- 685 LOS ANGELES.** Shell pink.

Each of the above, pkt., 25c.

689 MIXED. A full range of color. Pkt., 25c

S56 BURPEEANA MIXED.

An extra early long-stemmed variety snowy-white, shell pink, rose, crimson, blue, violet and purple. Globe shaped flowers, 3 to 4 inches, with attractive incurved petals, on long strong stems, ideal for cutting or garden decoration. Pkt. 25c.

628 A MIXTURE OF ALL GIANT VARIETIES. A formula-blend which was first prepared for our Retail Stores where it fast became the favorite because of its large number of important and popular Giant Flowered sorts with a wide range of color. An outstanding value for the cutting garden or mixed bed or border. Pkt., 25c.

640 COLLECTION OF VAUGHAN'S WILT RESISTANT ASTERS, 75c. One packet each of six varieties. Giant Crego—569 White, 564 Lavender, 565 Pink. Giant Branching—906 Purple, 905 Azure Blue, 903 Deep Rose.

4574 ANNUALS ROCK GARDEN VAUGHAN'S SPECIAL MIXTURE. A carefully prepared mixture of low growing, many colored, free flowering annuals, which will supply color in your rock garden all summer. Pkt., 25c.



550 ASTER POWDER-PUFFS. Tailormade for the home gardener, entirely different from the usual branching type. Imagine a ribbon of pink, azure, rose, crimson, white, scarlet and blue, so solidly made of 3 to 3½ inch fully double flowers the foliage cannot be seen. Plants 24 inches high, yet take less than 12 inches of space, all the flowers on top, as many as 20 per plant. August blooming, highly wilt resistant Pkt., 25c.



949 ASTER RAINBOW MIXTURE. Pkt., 25c

Single Chinese Asters

Both in the garden and in the house these lovely daisy-blooms of vivid coloring are highly esteemed by advanced gardeners and florists.

949 ASTER RAINBOW MIXTURE. 24 inches. A new strain of single asters producing large flowers of all colors of the rainbow, except yellow, including many tones of blue and violet, rose and crimson, but without flesh pinks or white. Pkt., 25c.

Newest Calendulas

Culture: A, B, D or E, Page 57



1057 BUSH BALSAM Rose. Pkt., 25c.

Bush Balsam

Culture A, B, D or E, Page 57

Free-flowering strain of bushy growth. Double flowers appear in clusters on the top of stems like double roses, instead of hidden on side of stems. In white, rose and red. 1½ to 2 ft. Seeds germinate in 15 days.

- 1057 ROSE. Delicate pink.
 1055 WHITE REFLECTED ROSE.
 1053 SCARLET. (Red) 1054 WHITE

Each of above, pkt., 25c; 3 pkts., 65c.

- 1051 MIXED. ⅛ oz., 60c; pkt., 25c.

Balsam (Lady Slippers)

An old favorite producing short stemmed double flowers at the axils of the leaves. The plants like hot sun, rich soil and plenty of water.

- 1040 DOUBLE ROSE AND CAMELLIA-FLOW-
 ERED MIXED. 1½ to 2 ft. ¼ oz., 35c; pkt., 15c.

Irish Green Bellflower



- 1138 BELL OF IRELAND. Graceful 2-foot branching stems are so surrounded by 2-inch flowers there is little room for leaves. The bell shaped calyx of the flower is green and delicately veined, containing the white corolla. Both curious and beautiful. Strip stalk of foliage and leave only the delicate bell-shaped calyx, hang in cool dry place, as you would Strawflowers. It will then retain more of the true groon color and prove an interesting addition to your bouquet of Everlastings. Pkt., 25c.

English Daisy

BELLIS PERENNIS (6 to 8 inches)

Culture: C, Page 57

Double Giant Daisies which are hardy perennials but bloom quickly from seed. Remarkable effects are obtained when associated with Pansies or Forget-Me-Notes in beds or borders. Seed germinates in 5-10 days.

- 1131 MONSTROSA MIXED. Pkt., 25c.

Pacific Strain

At last, Calendulas can be had that will flower in spite of Summer heat. Flowers are larger, with longer stems. If sown very early in Spring and again July 1st, Calendulas can usually be had in bloom longer than any other annual. They are often the last annuals in bloom in the garden. Seeds germinate in 10 to 16 days.

- 1209 PACIFIC GOLDEN GIANT. 24 in. True gold-orange.

- 1208 — APRICOT BEAUTY. The attractive two-toned effect is more clearly pronounced than in the older type.

- 1210 — CREAM BEAUTY. Creamy-white deepening to soft yellow.

- 1211 — LEMON BEAUTY. Pure lemon yellow.

Each of the above Pkt., 25c; any 4 pkts., for 80c

- 1212 PACIFIC BEAUTY MIXED. A blend of the above described varieties. Pkt., 25c. ⅛ oz., 50c.



1212 CALENDULA Pacific Beauty Mixed. Pkt., 25c.

Quilled Calendula

- 1220 CALENDULA ORANGE QUILLS. Mid-orange flowers, 3½ inches across of unique form. Petals open flat but soon begin to curl downward at the edges so as to meet underneath forming a quill. Pkt., 25c.



1146 BRACHYCOME Mixed. Pkt., 15c.

- 1206 Vaughan's Special Mixture. This is a well balanced mixture of the finest named varieties, including the giant variety Campfire, Pacific Beauty, the popular Chrysanthra strain and other fine varieties and types.

In color they range from soft cream yellow to bright orange, giving a delightful collection for cut flower use, as well as for border display. They are selected for heat resistance, so give a longer season of bloom than most. Pkt., 15c.

Swan River Daisy

Culture: A, B, D or E, Page 57

Brachycome

A free-flowering, dwarf-growing annual covered during the greater part of the summer with a profusion of dainty flowers which resemble small Cinerarias, suitable for edgings, small beds or pot culture. Seed germinates in 8-12 days.

- 1146 MIXED. 12 in. All colors. Pkt., 15c.



Canary Bird Vine

- 1250 A dainty vine 15 to 20 feet, with beautiful cut leaves and delicate flowers of a clear canary-yellow. From fancied resemblance to a bird the plant obtained its name. Does well in shade. Pkt., 25c.



1131 BELLIS Monstrosa Double Mixed. 25c.

Surprise!

GARDEN MIXTURE

If You Want a Thrill, Sow in Your Garden This Year This Mixture of 80 Different Annual Flowers, 1 to 3½ Feet Tall. Oz. 35c.

5848 VAUGHAN'S SURPRISE GARDEN OF ANNUALS is made up of sun loving annual flowers which will keep the garden gay from early summer until killing frost. It is not a collection of leftovers; but a carefully prepared formula of more than eighty different annual flowers, many of which you have never seen. We want you to know them, and you will be delighted to make their acquaintance and probably will want to order separately another year. Furnishes an unending amount of cutting material and a daily surprise to see what will appear next. Allow plenty of space to avoid crowding, keep watered and weeded, and remove faded flowers. These packets make welcome gifts. Oz., 35c; ¼ lb., \$1.25.

Garden Carnations

Culture: A or B, D or E, Page 57

Who doesn't love the spicy odor of the Carnation? Its beautiful blossoms may be grown from seed if sown inside and transplanted outside by the end of May. Seed germinates in 12 days. Plants lifted in fall and cut back will bloom again indoors.

1329 GIANT ENFANT DE NICE MIXED. Of compact growth, the extremely stiff stems carry flowers 2¼ to 2¾ inches across without disbudding. A well-balanced blend including white, salmon, rose and red. Comes 75% true to color from seed and 90% double flowers. Pkt., 25c.

1350 GIANT MARGARET MIXED. Flowers measuring 3 in. or more; colors include white, pink, crimson and striped. Upright growth. Pkt., 15c.

1351 J. M. BRIDGEFORD. English Giants. 1¼ ft. From seed sown indoors (or outdoors) bears in 90 days on long stems lovely fully double Carnations, 3 to 4 inches across of all Carnation colors, most fragrant of all. Flowers throughout the summer. Blooms will be comparable to greenhouse grown sorts, if buds are removed to allow one flower to the stem. Pkt. 35c.

1337 ORANGE SHERBET. Deeply lacinated petals are striped and flushed with scarlet on an orange-apricot ground. Flowers are large, double and clove scented; freely borne on stiff stems, 15 to 18 inches high. Blooms in five months from seed. We recommend starting seed indoors and setting small plants out as soon as danger of frost is over. Pkt., 35c.

Korean Mums

Culture: A, B, D or E, Page 57

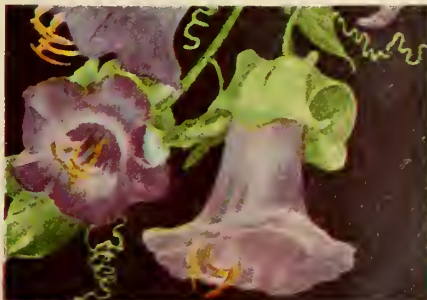
1621 KOREAN HYBRIDS. These large, single flowers of many lovely colors can be flowered from seed the first year. Seeds germinate in 15 days. Pkt., 35c.



1621 KOREAN CHRYSANTHEMUM HYBRIDS. Pkt., 35c.



1339 CARNATION VAUGHAN'S SPECIAL MIXTURE. This is a mixture of the best strains. The plants will bloom the first summer and will produce many flowers equal to the best florist's Carnation Pkt., 35c.



1820 COBAEA SCANDENS. Pkt., 15c.



5848 SURPRISE GARDEN MIXTURE. Oz., 35c.



2690 HEARTS AND HONEY. Pkt., 25c.

Colorful New Climber

2690 HEARTS AND HONEY. The first color break out of Cardinal Climber. Flowers open in early morning a brilliant pinkish-orange with contrasting center of soft honeylike yellow; by mid-morning the color has changed to a brilliant pinkish-red and the center becomes somewhat lighter and by afternoon the flower is a sparkling pure rose-pink with creamy white center. Leaves are jaggedly cut of a deep clear green, while the 2 inch flowers are projected from long narrow 2 in. tubes. Blooms through Summer into Fall until vines are killed by frost. Pkt., 25c.

Cobaea (Cathedral Bells)

Culture: A, B, D or E, Page 57

1820 SCANDENS. One of the handsomest rapid growing climbers. The bell-shaped flowers turn lilac. Seed should be sown edgewise. They germinate in 15 days. Very vigorous and prolific bloomer. Pkt., 15c.



GILBERT CELOSIAS

Celosia (Cockscomb)

Culture: A, B, D or E, Page 57

THE popular name is derived from the resemblance of the flower heads of the crested type to a cockscomb though in texture they are like plush or chenille.

CRESTED SORTS

Gilbert Varieties

While All Celosias may be dried, the Gilbert Varieties are particularly well adapted to this. A welcome addition to the Everlasting or Winter Bouquet.

Cut flowers at any growing stage, strip off leaves, hang head downward in a very dry, warm dark place. Do not let flower heads touch. Allow to dry two weeks. Any chaff may then be carefully rubbed off and flowers are ready for use.

1442 NEW PENNY. Remember the thrill of a "new penny" when you were a child? Here is that same "new penny" copper color in subtle shadings of salmon-orange, copper and red-gold. A favorite with flower arrangers for use in copper containers or for blending with rich purples and blues. Pkt., 25c.

1436 MAPLE GOLD. 3 ft. The heads are almost globular, and the dominant color is a golden maple, varying toward rose pink. The plants bear eight to twelve heads, increased if the center stem is pinched back. Do not feed. Pkt., 25c.

1437 ROSE BEAUTY. 2 ft. Uniform bright rose pink on a silver base and should run 90% or better true to type. An excellent cut-flower. Pkt., 25c.

1439 HARLEQUIN. 2 ft. Pinkish gold turning to a salmon, then to a bright shell-pink. Excellent cut-flower for hedging purposes. Pkt., 25c.

1434 MAPLE GOLD AND ROSE BEAUTY MIXED. 2 ft. A pleasing blend of two famous Gilbert varieties. Pkt., 25c.

1440 GREEN GOLD. Silver green ball shaped combs fused with light pink and a touch of yellow. Foliage bright green, flower heads 6 to 10 inches, plant 2 ft. Dries a silvery color. Pkt., 25c.

1441 GOLD DUST. Rich yellow with silvery sheen, ruffled, ball-shaped heads on branched plants, bright green foliage. Turns deep gold or chartreuse as it matures. Excellent cut and for winter bouquets. Pkt., 25c.

1472 ROYAL VELVET. 2 ft. Long-stemmed plummy heads of crimson. Foliage bronzy green with reddish margins. Pkt., 25c.

1435 TALL MIXED. Pkt., 15c.

1430 CRESTED DWARF SORTS MIXED. 8-10 in. Pkt., 15c.

OSTRICH PLUME SORTS

The numerous massive plumes which resemble ostrich feathers wave gracefully above the foliage. 2 to 3 ft.

1458 FOREST FIRE. Brilliant fiery orange-scarlet plumes provide a striking contrast to the rich bronzy-red foliage. Uniform in habit, they will prove an interesting subject for the late garden where they will bloom until killed by frost. 2½ ft. Pkt., 25c.

1460 PRIDE OF CASTLE GOULD. Immense flower heads, resembling plumes in many colors. Pkt., 25c.

1468 CHINESE WOOLFLOWER MIXED. 2 to 3 ft. Pkt., 15c.

Popular Bachelor Buttons

Culture: A, B, D or E, Page 57

CENTAUREA CYANUS SUPER DOUBLE 3 Ft.

A perfected strain of this popular hardy annual, which every one can grow in any garden soil. They have larger flowers, more double, with more vivid coloring and long, wiry stems, making fine cut flowers. If the faded flowers are kept cut, the plants will blossom continuously throughout the summer. Seeds germinate in 8 days.

1506 BLUE BOY. The true cornflower blue. Pkt., 15c; ¼ oz., 30c.

1507 PINKIE. Lovely true pink. Pkt., 15c.

1508 RED BOY. Deep glowing red. Pkt., 15c.

1509 SNOWMAN. Pure white. Pkt., 15c.

1522 VAUGHAN'S SPECIAL SUPER DOUBLE MIXED. ¼ oz., 30c; ½ oz., 50c; pkt., 15c.

1504 JUBILEE GEM. 12 in. Compact plant covered with double dark blue flowers. Foliage forms a tufted mass of bright green. Pkt., 15c.

1500 JUBILEE MIXED. 1 ft. Similar in habit to blue Jubilee Gem, forming low bushes with a blossom terminating every stem and branch in a good range of color. Pkt., 25c.



1522 CENTAUREA Cyanus Vaughan's Special Super Double Mixed. Pkt., 15c.

Giant Sweet Sultans

Culture: A, B, D or E, Page 57

The beautiful, decorative flowers are borne on long, strong stems; when cut and put in water will last for several days in good condition. They have a soft fragrance and add beauty to the garden picture. Seeds germinate in 8 days.

1570 CENTAUREA IMPERIALIS, MIXED. 2½ ft. Pkt., 15c.

Cosmos from July to Frost

Culture: A, B, D or E, Page 57

Plants of graceful beauty, fine feather foliage and large flowers. While the early varieties begin blooming in July, the Cosmos reaches the height of its beauty in the autumn. The new giant early varieties are wonderful cut flowers, holding in good condition for 10 days after cutting. We list only the early flowering varieties, as the late varieties are so apt to be taken by early frosts. If the faded flowers of the early varieties are kept cut, they will provide a succession of bloom from July until killing frosts. Seeds germinate in 8 days.

SENSATION, GIANT EARLY STRAIN

Early flowering, blooming in about 12 weeks from sowing. The flowers are very large, 4 to 5 inches across, with heavy fluted petals. Height about 4 feet. By dishudding, enormous flowers can be obtained.

1964 DAZZLER. Deep crimson.

1968 PINK. Rose-pink.

1967 PURITY. White.

1969 RADIANCE. Deep rose with rich crimson zone.

1966 SENSATION SPECIAL MIXED.

Each of the above, pkt., 25c; 3 pkts. for 65c

1984 FIESTA. 2½ ft. All America Silver Medal 1952.

Flowers of bright gold striped with scarlet are borne on dwarf bushy plants. Blooms are similar in form to Yellow Flare, semi-double with ruffled petals, and are freely borne all summer, following an early start. A good border subject and attractive cut flower. Pkt., 25c.

Caution: Castor Bean (Ricinus) and Datura (Angel's Trumpet) seeds are poisonous. Care should be taken to keep them away from children who are attracted by the bright color of the seed.

Our Bush Balsams last year were absolutely gorgeous. Large bushes just loaded with small rose-like flowers. We had them between our large Everblooming Roses for a border effect and had loads of compliments on them. Mrs. W.—Michigan.



1966 COSMOS Sensation Special Mixed. Pkt., 25c.



1984 COSMOS FIESTA. Pkt., 25c.



2086 DAHLIA UNWIN'S DWARF HYBRIDS. Pkt., 25c.

Dahlias from Seed

Culture: D or E, A or B, Page 57

It is easy, fascinating, to grow Dahlias from seed. If the seed is started early, plants will bloom the same season. Sow in a shallow box or pan in March or early April, and keep the soil moderately moist. When all danger from frost is over, plant in the garden. Seed germinates in 8-10 days.

DOUBLE DAHLIAS

2080 **DOUBLE BEST MIXED.** 3 ft. Saved from name and fancy sorts, including the Cactus Flowered varieties. Pkt., 25c.

2086 **UNWIN'S HYBRIDS.** This remarkable strain produces branching plants 2 to 3 feet tall bearing semi-double flowers 3 inches in diameter, of lovely soft pink, lavender, crimson, apricot, buff, orange, canary, cream, white and yellow. Easily grown from seed and blossom in sixty days from seed. Sow after the ground warms up and danger of frost is over, and give each plant at least one foot in the row. They give a striking effect in the border and are unsurpassed as cut flowers. They flower until frost kills the plants and produce tubers which can be saved. $\frac{1}{8}$ oz., 60c; pkt., 25c.



Gaillardia

Culture: A, B, D or E, Page 57

One of the most profuse bloomers of the flower garden Gaillardias grow best in full sunlight. The double varieties are among finest of annuals for cut flowers and give excellent border display. Seeds germinate in 20 days.

2476 **VAUGHAN'S GIANT DOUBLE SUNSHINE.** 18 in. A scintillating new color mixture. Huge fluffy "ball-like" double blooms, in a spritely array of new colors. Chrome yellow to creamy white, burnished mahogany to burgundy wine—vivid bicolor tip-pings of white, red, and yellow. The brightest Gaillardia mixture ever offered. Bushy plants with long stems make it a color bright-up wherever used. Continuous in its flowering throughout the summer. Pkt., 25c.

Coleus

Culture: D or E, Page 57

Decorative plants with foliage of brilliant varied colors, many having fantastic markings. Does well either in sun or semi-shade. Pinch out the growing points to make well branched plants. Make good house plants. Seeds germinate in 10 days.

1855 **VAUGHAN'S RAINBOW MIXTURE.** 1-2 ft. The handsomest and most brilliant foliage plant obtained from seed. Leaves are medium to large and in the richest and most vivid colors and color combinations: Pkt., 35c.

Last Spring I purchased a packet of Coleus Rainbow and had 55 or 60 plants which were of about 10 or 11 varieties. I gave them to friends during the Summer and kept several for House Plants for winter and they have been beautiful and have all grown 2 ft. high. Mrs. O.—Michigan.

HOME GREENHOUSE AND HOUSE PLANTS FROM SEED
SEE PAGES 55-56



1855 COLEUS VAUGHAN'S RAINBOW MIX Pkt., 35c.



2820 HELIOTROPE MAMMOTH MIXED. Pkt., 25c.

Fragrant Heliotrope

Culture: A or B, D or E, Page 57

Heliotrope is a universal favorite on account of its delightful fragrance and duration of bloom. Seeds sown in the spring make fine plants for bedding out. Seeds germinate in 15 days.

2820 **MAMMOTH MIXED.** 1 ft. Large flowers ranging from dark blue to lilac. Pkt., 25c.



2681 GYPSOPHILA Elegans Grd. Alba. 15c.

Gypsophila

Culture: A, Page 57

Graceful plants of light fairy-like growth. The misty bloom adds interest to flower arrangements. Seed germinates in 10 days.

2681 **ELEGANS GRANDIFLORA ALBA SPECIAL SELECTION.** 18 in. This is extremely free blooming, and petals considerably broader, making the flowers nice and round. $\frac{1}{2}$ oz., 40c; $\frac{1}{4}$ oz., 25c; pkt., 15c.

2682 **ELEGANS VIVID ROSE.** 18 in Pkt., 15c.

2686 —MIXED. Pkt., 15c.

Geranium Seed

Culture: A, B or C, Page 57

2492 **VAUGHAN'S SPECIAL MIXTURE.** Large Flowering Single Varieties. Seed saved from name sorts. Many charming varieties may be expected, even some doubles. This seed will germinate irregularly in from 14 days to two months. The plants may be lifted as they reach suitable size, but the seed box should not be disturbed until germination has ceased. Pkt., 35c.



2492 GERANIUM VAUGHAN'S SPECIAL MIXTURE. Pkt., 35c



2247 DIANTHUS BRILLIANT. Pkt., 25c.



ARRANGE WITH GOURDS FOR DECORATIVE EFFECT

1927 CORN (Calico Indian or Squaw). The ears are used in making charm or Patio strings combined with the small gourd fruits. The kernels are of various bright colors. Matures in 100 days. Oz., 35c; pkt., 15c.



1928 STRAWBERRY CORN. Pkt., 25c.

Brilliant Annual Pinks Dianthus

Culture: A, or B, D or E, Page 57

A magnificent family producing their gay, sweet scented flowers in great profusion. They embrace a great variety of forms and come in a remarkable wide range of beautiful and rich color combinations. Sown in April where they are to bloom, and slightly thinned they make a wonderful show from July until cut down by frost. Many of this family will live over winter in our (Chicago) latitude. Seeds germinate in 8 days.

2262 LACINIATUS DOUBLE GAIEITY. 12 in. The fringing and twisting of the petals avoids any feeling of heaviness. Large flowers come in a variety of color, red, white, pink and maroon, on compact plants. Pkt., 25c.

2230 HEDDENSIS FINEST MIXED. 16 in. Well-formed 2 in. flowers in large numbers on long stems, suitable for cutting. More tolerant of extreme temperatures than either of its parents. All the traditional Dianthus colors. Pkt., 25c.

2257 CHINESE DOUBLE MIXED. 1 ft. Handsome clusters of very double flowers; many bright colors. Pkt., 15c.

2247 BRILLIANT. 18 in. This large flowered strain of free flowering pinks have flowers in crimson, cerise, pink, white and red. It grows in low bushes, with blooms at the end of every stem, and flowers all summer. A lovely cut flower. Pkt., 25c.

2300 DIANTHUS VAUGHAN'S SPECIAL MIXTURE OF DOUBLE PINKS. Selection of the best double pinks in cultivation, ranging in color through all the most brilliant shades. Pkt., 15c.

2301 VAUGHAN'S SPECIAL MIXTURE OF DOUBLE AND SINGLE PINKS. This magnificent mixture contains the cream of the annual pinks, both single and double. 1/8 oz., 50c; Pkt., 25c.



Helichrysum (Strawflower)

Culture: A or B, D or E, Page 57

For winter bouquets, Straw Flowers should be cut before the centers open, and be hung upside down in a cool, dark place to dry. The foliage should be stripped off, and if it is desired, a fairly stiff wire may be twined about each stem to make them easier to handle. To grow large flowers, disbud, allowing only one bud to remain on each stem. Seeds germinate in 8 days.

2810 VAUGHAN'S SPECIAL MIXTURE OF HELICHRYSUMS. 3 ft. This is a balanced blend of named varieties and many color tones in large flowered strains. 1/8 oz., 35c; pkt., 15c.

DECORATIVE AND GOOD TO EAT

1928 STRAWBERRY CORN. While this is really a "Pop Corn" and a very good one at that, its charm is in its attractive effect of the tiny ears which are only 2 in. long and 1 1/2 in. wide and are a rich and shiny mahogany color, not unlike a gigantic strawberry. They are enclosed in straw-colored husks. Matures in 100 days. Pkt., 25c.

Gourds, see page 44



2262 DIANTHUS DOUBLE GAIEITY. Pkt., 25c.



Four O'Clocks

Culture: A or B, D or E, Page 57

Showy summer and fall blooming plants that do well everywhere. Flowers open in the afternoon and all day if it is cloudy. It is little known that roots may be lifted in the fall and stored like Dahlias to be replanted in spring. Four O'Clocks make an interesting low hedge very rapidly. One of the best for smoky city sections. Seeds germinate in 10 days.

3290 MIXED COLORS. 1/4 lb., \$1.50; 1 oz., 50c; pkt., 15c.



Flowering Kale

2458 FLOWERING KALE. 18 in. Although belonging to the Cabbage or Kale family, this Flowering Kale is entirely different as to its appearance. In young stage its leaves are green just like ordinary Kale, but in autumn as the season advances remarkably beautiful colors begin to appear. The colors range from white, cream, pink, rose, magenta, etc., on dark green ground. As the plants grow, the colors become more brilliant. We suggest seed be sown in July for colorful plants in early September through October until killed by heavy frosts. Seeds germinate in 10 days. Pkt., 25c.

Annual Larkspurs

ANNUAL Larkspurs give fine spikes of bloom that are exceedingly graceful and attractive. They are perfectly hardy, the seedling plants surviving coldest winter weather. Sow very early in spring, thin out the seedlings as necessary and give each plant room for development. Seed may also be sown in late fall just before the ground freezes for the winter for early flower the following spring. In the summer germination is improved by chilling the seed several days in the refrigerator. Seeds germinate in 15 days.

VAUGHAN'S LARKSPUR

Culture: A or B, D or E, Page 57

6 Best Colors

From careful records, we have selected the **Six Best Colors** listed below, based on the demands of the Home Gardener. All are of the popular base branching type, which produces sturdy plants sending up from the base many flowering spikes, each a tall, strong, spike of beauty; the perfect cutting strain. The colors are new, distinct. Florets are fully double closely placed on the stem.

2121 REGAL PINK. Brilliant pink on salmon, a new distinct shade.

2128 ROSE SUPREME. Deeper rose than any other.

2127 LILAC SUPREME. Clear, pale lilac, free from pink.

2130 WHITE SUPREME. Pure white without suggestion of pink.

2132 PINK SUPREME. Deep rose pink, lovely under lights.

2131 DARK BLUE SUPREME. Deep violet purple.

Each of the above, pkt., 15c; any 4 pkts., 50c.

2133 SUPREME MIXED. A blend of all the above with additional colors not yet introduced. $\frac{1}{4}$ oz., 75c; Large Pkt., 25c.



VAUGHAN'S LARKSPUR GARDEN

2140 1 pkt. each **Six Colors Illustrated**, Rose, Lilac, Salmon Pink, White, Pink and Dark Blue. **FOR 75c**



Annual Hollyhocks

Culture: A or B, D or E, Page 57

These annual kinds bloom the first year and will live over winter and last for several years. Seeds germinate in 8 days.

2841 INDIAN SUMMER MIXED. 5 ft. All America Bronze Medal winner. These lovely double hollyhocks, of a wide range of pleasing colors, have all the beauty of the perennial type, and are in fact hardy perennials. But they grow so quickly from spring sown seed, that by mid-summer you have blossoms, which continue until late into fall. Pkt., 25c

Matricaria

Culture: D or E, A or B, Page 57

3206 CAPENSIS IMPROVED. (Feverfew). 3 ft. Small, double white flowers, borne in clusters. They are perennial, but may be treated as annuals. Select flat petaled type, snow-white flowers. Seeds germinate in 12 days. Pkt., 35c.



Linarias (Baby Snaps)

Culture: A or B, Page 57

Popularly called miniature snapdragons, these are charming free flowering border plants in bright and pastel tones. To get best results thin to 18 inches. Seeds germinate in 20 days.

3035 LINARIA NORTHERN LIGHTS. Brilliant new colors characterize this new strain of the popular "Baby Snapdragon". Clear whites, bright yellows, vibrant blues and carmines are combined with a liberal sprinkling of reds and bronzes with yellow lip. Plants are bushy and erect; easily grown from seed and provide a quick show of color. 15 in. Pkt., 25c.

5840 SURPRISE GARDEN SPECIAL MIXTURE

Trial packet of this famous mixture of Annuals, Pkt., 15c.



2890 IMPATIENS DWARF FIERY SCARLET. Pkt., 50c.

Impatiens

Culture: A, B, D or E, Page 57

One of the best for pot culture and planting in a shaded situation. Remarkable for duration of bloom. Excellent greenhouse plant. Seed germinates in 15 days.

2890 DWARF FIERY SCARLET. The flowers are a fiery scarlet changing to deep salmon-scarlet, larger than other sorts, reaching 2 inches in diameter and freely produced. Of low spreading habit, it is an excellent variety for pots and well suited to the shady border in the garden. Pkt., 50c.

2875 HOLSTII. $1\frac{1}{2}$ ft. Of rapid, vigorous growth, producing large flowers of salmon-scarlet. Pkt., 25c.

2880 TALL VARIETIES CHOICE MIXED. Includes lilac, carmine, salmon pink and scarlet shades. Pkt., 25c.

2881 SULTANI. Bright rose. Pkt., 25c.

2883 DWARF VARIETIES CHOICE MIXED. Grows only 6 inches tall, flowers continuously in many shades. Pkt., 50c.



3403 NICOTIANA Daylight. Pkt., 25c.

Nicotiana FRAGRANT TOBACCO PLANT

Culture: A or B, D or E, Page 57

Their long tubular flowers close in midday, but open as evening approaches and give forth a rich perfume. Seeds germinate in 20 days.

3403 DAYLIGHT. 1-2 ft. The white blooms remain fully open during even the most brilliant sunshine. Plants are of compact, bushy habit, with an abundance of pure white fragrant flowers. Pkt., 25c.

3402 DAYLIGHT SENSATION MIXED. $1\frac{1}{2}$ -2 ft. A brilliant color range. Bright scarlet, crimson, rose, mahogany, violet, yellow, coral, lilac and white, are included. The blooms remain open day and night. Pkt., 25c.

3390 AFFINIS. 2 ft. Delightfully fragrant flowers, giving a continuous display of waxy white flowers right through the summer and autumn. The plants are of branching, bushy habit, carrying their flowers in clusters. Pkt., 15c.

3392 AFFINIS HYBRIDS. 2 ft. Splendid hybrids in blue, red and rose shades. Pkt., 15c.

3393 AFFINIS CRIMSON BEDDER. The flowers are of a rich deep crimson. 15 in. Pkt., 15c.

Sun-Loving Marigolds

Culture: A or B, D or E, Page 57

MARIGOLDS come in every known tint and shade of yellow and orange and in mahogany tones running into a lively red. They bloom earlier when started under protection, but are easily grown from seed sown direct in the garden. Seeds germinate in 8-10 days.



3136 MARIGOLD Fluffy Ruffles. Pkt., 25c.

LARGEST, DAHLIA FLOWERED

3136 FLUFFY RUFFLES. Giant flowers of bright medium orange, with intensely ruffled florets. Very early to flower. Plants are semi-tall, 20 inches in height, with full length base-branching stems. Pkt., 25c.

CARNATION FLOWERED

3144 EARLY SUNSET GIANTS. 3¼ to 4 ft. This is an early flowering strain of the popular Sunset Giants, largest of all marigolds bearing flowers that are sometimes 7½ inches in diameter. This blooms 18 to 20 days earlier than the older strain, each plant bearing 8 to 12 enormous blooms in a festive range of color, including cream, buff, lemon, gold and orange. Plants are vigorous and stems strong. Pkt., 25c.

3124 YELLOW SUPREME. A large bloom of honey fragrance, with broad, loose, frilled petals of a rich lemon-yellow, largest of true "Carnation flowered" type. Plants are vigorous, with foliage practically free from Mangold odor. Pkt., 15c.

CHRYSANTHEMUM FLOWERED

3151 MAMMOTH "MUM", 30 in. The flowers are fluffy ball-like, light sulphur yellow in color. The flowers are 3½ in. across and 2 in. deep. Pkt. 25c.



3144 MARIGOLD EARLY SUNSET GIANTS. Pkt., 25c.



A GARDEN OF MARIGOLDS

To provide a succession of bloom from earliest Summer until killing frost we have included in **OUR MARIGOLD GARDEN** Naughty Marietta and Color Magic, so rich in red and gold combinations, and one of the popular small single Mexican Group. For background and cutting, there is the Tall African Group of Burpee Gold, Chrysanthemum Flowered Mixed and Glitters, with their rich tones of gold, orange and yellow.

3200 1 pkt. each, 6 varieties, for \$1.00



3198 MARIGOLD CUPID MIXED. Pkt., 25c

DWARF CHRYSANTHEMUM FLOWERED

Flower of good size, averaging 2½ to 3 inches across. Freely produced on dwarf compact plants. So large is the flower and so free the bloom, it literally covers the plant. Odorless foliage. 8 in.

- 3196 CUPID (Yellow). Primrose yellow.
- 3194 CUPID GOLDEN. Rich golden color.
- 3197 CUPID ORANGE. True orange.
- 3198 CUPID MIXED. Includes all the above.

Each of the above: pkt., 25c.



Many-Colored Marigold

3135 MARIGOLD COLOR MAGIC. 8 in. Brilliant colors of non-fading red to pure gold with many varied striped and mottled combinations in red and gold. Full double flowers, 2¼ inches in diameter. Uniform in growth, plants are dwarf and compact. Pkt., 25c.



3167 MARIGOLD RUSTY RED. Pkt., 25c.

HARMONY TYPE

A group of Double Dwarf French Marigolds with crested centers, very free blooming and bred to give finest results in the home garden.

- 3170A SPRY. Yellow bordered mahogany 9 in.
- 3164A. BUTTERBALL. Soft butter yellow, 10 in.
- 3168 LEMONDROP. Canary yellow, 9 in.
- 3170 HARMONY HYBRIDS. Wide and varied range of striking color combinations.

DWARF FRENCH DOUBLE

Slightly taller than the above, the varieties we offer have proven their value to the home gardener.

- 3169. TANGERINE. A distinct shade of bright tangerine-orange. 15 in.
- 3167 RUSTY RED. Rich rusty red delicately edged golden yellow. Very large flower averaging 2 inches and more across. 1½ ft.

Each of the above: Pkt., 25c.

3150 VAUGHAN'S SPECIAL TALL MIXTURE. Our own formula-blend which includes "old-time" favorites as well as newer introductions. So complete is the list, it might well be called a "Treasure Chest" of Marigolds. ¼ oz., 50c; pkt., 15c.

Giant Morning Glories

Special Culture on Packet

If sown outdoors, do not sow until the ground is warm and summer established. Give plants full sun, porous soil, and do not overfeed, as this may limit flowers. To sow indoors, nick through hard outer shell of seed with knife or file. Then sow in flower pot in good friable soil, and place where bottom heat of at least 70 degrees is provided. Keep indoors until weather is warm. Seeds germinate in 8-10 days.



2901 MORNING GLORY.
Giant Cornell. Pkt., 25c.



2948 MORNING GLORY. Scarlett O'Hara.
Pkt., 25c.



3739 NASTURTIUM DOUBLE GLORIOUS GLEAM HYBRIDS. Pkt., 15c.



2941 MORNING GLORY. Heavenly Blue
Clarke's Early Flowering. Pkt., 25c.

CLIMBING SORTS

2941 HEAVENLY BLUE CLARKE'S EARLY FLOWERING. A strain of Heavenly Blue selected for earliness. Flowers measure 3½ to 4 inches across. ¼ oz., 35c; pkt., 25c.

2903 DARLING. Giant flowers, up to 4 inches in diameter, of a rich wine red with snowy-throat that provides contrast. An easily cultivated annual climbing vine and very free flowering. Pkt., 25c.

2943 IMPROVED PEARLY GATES. This is a white sport of the lovely Heavenly Blue morning glory and is similar in size, vigor of growth and abundant bloom, to that unsurpassed climber. Pkt., 25c.

2948 SCARLETT O'HARA. Stunning 3½-in. flowers of a soft velvety scarlet, borne in profusion from July until frost. The flowers stay open longer in the day than other sorts. Pkt., 25c.

2940 RED, WHITE AND BLUE COLLECTION. One packet each of Scarlett O'Hara, Heavenly Blue and Pearly Gates Morning Glory (value 75c), for 50c.

2935 RED, WHITE AND BLUE MIXTURE. A balanced mixture of the above. Pkt., 25c.

CONVOLVULUS (Morning Glory)

1900 TALL MIXED. All colors. Pkt., 15c.

Moonflowers

These are vines that bloom at sunset, fading in late morning. Very fragrant. Seeds germinate in 10-12 days.

2895 BONA NOX (Evening Glory). Violet. 15c.

2935 MEXICANA GRANDIFLORA ALBA (White Moonflower). Opens 4-5 inch white flowers every evening and cloudy day. Pkt., 15c.

Fragrant Nasturtiums

NASTURTIUMS will really grow on soils incapable of supporting any other plants, and are most useful on dry, sandy, or gravelly banks. Leaves of Nasturtiums may be used for sandwich fillings and salads and the green seed pods may be used in pickles. Seeds germinate in 8-10 days. Sow after frost danger is over.

APHIS ON NASTURTIUMS. One of our friends writes in "Horticulture": "I am not troubled with aphids if I sprinkle moth balls (naphthalene) quite close to the stems of the plants." Rotenone and Black Leaf 40, are also effective.

TALL, DOUBLE FRAGRANT VARIETIES

3735 GOLDEN GLEAM. The large double, golden yellow flowers on long stems are borne profusely well above the bright green foliage. Pkt., 15c.

3734 MAHOGANY. Large double flowers of dark mahogany-red. Pkt., 15c.

3736 SCARLET GLEAM. The flowers are a fiery orange-scarlet. Pkt., 15c.

3739 VAUGHAN'S DOUBLE TALL GLORIOUS GLEAM HYBRIDS. Colors never seen before in a double Nasturtium abound in profusion—salmon, golden yellow, orange scarlet, cerise, cream yellow, orange, crimson, and gold flushed scarlet combine with the foliage of fresh green. Pkt., 15c.



1922 BUSH MORNING GLORY.
Royal Ensign. Pkt., 25c.

BUSH MORNING GLORY 1 FT.

Showy hardy annuals for beds and borders, also rock-work; they bloom for a long period and delight in sun

1922 ROYAL ENSIGN. A deep bright ultra-marine, the deepest and brightest of all blue annuals, with a white halo and gold throat. The plants are covered with their attractive blossoms all summer. Use for edging and borders. 8 in. Pkt., 25c.

1920 MIXED. All colors. Pkt. 15c.



Nierembergia

Culture: D or E, Page 57

3412 PURPLE ROBE IMPROVED. The rich violet blue color is deeper than the original and the plants more dwarf and compact. Does not fade. Pkt., 35c

NASTURTIUMS—continued

DWARF, DOUBLE FRAGRANT VARIETIES

3548 CHERRY ROSE. An excellent variety for cutting, and showy in the border. Flowers 2½ to 3 inches across of a soft cherry-rose are produced earlier than others. Very free flowering. Pkt., 15c.

3558 GOLDEN GLOBE. Identical in color with Golden Gleam, but making bushy plants which the freely produced blossoms convert into mounds of gold. Pkt., 15c.

3560 DWARF DOUBLE GEM MIXED. Ideal for edging beds and window boxes. Evenly balanced range of bright colors. Pkt., 15c.

Old-fashioned, Free Flowering Single

3575 VAUGHAN'S SPECIAL SINGLE DWARF NASTURTIUMS MIXED. Single flowering varieties are preferred by many because they flower more freely in some locations. This mixture includes a well balanced range of red, orange and yellow, even more varied than is found among the double type. Pkt., 15c.

Giant Pansies

Culture A, B or C, Page 57

PANSIES have long been a specialty with us. We introduced the Swiss Giants to American gardens and named and introduced in this country the lovely Canadian Maple Leaf strain. Leaflet on pansy culture will be supplied if requested on order. Seeds germinate in 10 days.

3903 VAUGHAN'S DWARF SUPER SWISS MIXED. For those who desire plants dwarfier than the original type, we have had our grower make this selection. The colors are the same but the plants lower and more compact. Pkt., 35c.

3840 TRIMARDEAU MIXTURE. It has a complete color range, of older varieties. Pkt., 15c.

3881 ENGELMANN'S GIANT. A special strain selected and developed by an English grower. The plants are dwarf and compact and the huge flowers, in many dark and light tones appear early. Pkt., 25c

GIANT SWISS VARIETIES

3892 ALPENGLOW. Rich wine-red shades. Pkt., 35c

3891 BLUE (Ullswater) (Thuner Sea). Deep blue flower with blue-black blotches. Pkt., 35c.

3820 CORONATION GOLD. The largest pure gold self. Pkt., 35c.

3897 DELFT BLUE. A delightful tone of translucent blue. Pkt., 35c.

3862 FIRE BEACON. Bright orange-red. Pkt., 35c

3900 WHITE. Pkt., 35c.

3893 YELLOW (RHEINGOLD). Rich yellow with blotches on the three lower petals. Pkt., 35c



3894 PANSIES Vaughan's Super Swiss Giant Mixed. Pkt., 35c.

3894 VAUGHAN'S SUPER SWISS GIANT MIXTURE. The flowers are gigantic size, perfectly round, fine substance of flower and good form of plant, and exhibit shades previously unknown in this family. They bloom early in the spring, continuing in flower all summer until late in fall. $\frac{1}{4}$ oz., \$1.75; $\frac{1}{2}$ oz., \$3.00, pkt., 35c

SPECIAL MIXTURES

3794 VAUGHAN'S SUPER MAPLE LEAF GIANT MIXTURE (Canadian Giants). The leaves are of giant size and flowers up to 4 inches across, of wonderful substance and fine form. Many charming colors, $\frac{1}{4}$ oz., \$1.75; $\frac{1}{2}$ oz., \$3.00. Pkt. 35c.

3875 VAUGHAN'S GIANT MIXTURE. This mixture contains all the self-colors, such as white, yellow, blue, purple, red, bronze, etc. All the flowers are of the Giant type and of good shape and texture. $\frac{1}{4}$ oz., \$1.75; pkt., 25c

Shirley Poppies

Culture: A, Page 57

Sow them early—since they defy frosts—and where they are to bloom, as they dislike transplanting. They flower quickly from seed. Successive sowings should be made to provide continuous flowering. Mix the seeds with sand to scatter them, and thin out to 8 inches apart. Seeds germinate in 20 days. They have beautiful satiny flowers, all with white centers. Foliage is hairy and finely cut.

4277 AMERICAN LEGION. 2 ft. A dazzling orange-scarlet of enormous size. Pkt., 15c.

4238 DOUBLE BEGONIA FLOWERED SWEET BRIAR. A delightful shade of deep rose-pink. Pkt., 15c.

4239 DOUBLE BEGONIA FLOWERED MIXED. The flowers resemble the double tuberous rooted Begonias in form, and contain an assortment of lovely light colors. Pkt., 15c.



4370 VAUGHAN'S SPECIAL MIXTURE. 2 ft. Lovely and dainty tints, many edged and blended with other colors. $\frac{1}{4}$ oz., 40c; pkt., 15c.

4251 PIERROT. Brilliant scarlet-red flowers on 20 in. stems, with striking black blotches at the base. Extremely free flowering, and the rich color is emphasized by the light grayish-green foliage. Blooms within eight weeks from sowing. Pkt., 25c.



3892 PANSY SWISS ALPENGLOW Pkt., 35c.



3891 PANSY Swiss Blue (Ullswater). Pkt., 35c.



3820 PANSY CORONATION GOLD, Pkt., 35c.

For the difficult spot in your garden, try Coleus Vaughan's Rainbow Mixture. Does well in shaded and semi-shaded locations where protection from the bright sun brings out the rich colors. Take a few cuttings from your plants to grow on in the house for winter flowering.

Home Greenhouse and House Plants From Seed, See Pages 55 and 56.

Portulaca

Culture: A, D, Page 57

MOSS ROSE FOR HOT, DRY PLACES

Portulaca makes a brilliant carpet for a sunny, dry spot. Flowers like little Roses. In sowing, mix the seed with many times its bulk in dry sand. Sow when ground is warmed. Seeds germinate in 20 days.



4426 PORTULACA Jewel. Pkt., 25c.

LARGE FLOWERING SINGLE

4426 SINGLE JEWEL. No one who has in mind the usual Portulaca flower can imagine the beauty of this new variety, which is four times as large, and of a brilliant deep crimson coloring. It is as free flowering as smaller varieties. Pkt., 25c.

4430 SINGLE MIXED. 1/4 oz., \$1.20; 1/8 oz., 70c; pkt., 15c.

LARGE FLOWERING DOUBLE

4455 DOUBLE BEST MIXTURE. Improved strain which comes 100% double, with larger flowers, and an exceptional range of color, including new tones of red, orange, lavender and yellow. 1/4 oz., \$1.75; 1/8 oz., 90c; pkt., 25c.



4455 PORTULACA Double Best Mixed. 25c.

Phlox, the Gayest Annual

Culture: A or B, D or E, Page 57

For a brilliant display, plant Vaughan's Special Mixture. Seed may be sown in the open as soon as frost danger has passed. Sow where the plants are to flower as they do not like to be transplanted. 12 inch. Seeds germinate in 20 days.

Giant Phlox

4103 GIGANTEA ART SHADES. A strain with flowers 1 1/2 inches in diameter, in a remarkable variety of soft color tones, which blend delightfully. Pkt., 25c.

COLORFUL MIXTURES

4175 CUSPIDATA OR STAR MIXED. Quaint and unusual flower formation. 1 ft. Pkt., 25c.

4207 GLOBEMIXED. 6 to 8 in. The completely full plants are globe or dome shaped. Base branching, they retain the fine uniform habit of a solid mound of bloom throughout the season. A well balanced range of color. Very showy. Pkt., 25c.

4220 PHLOX DRUMMONDI VAUGHAN'S SPECIAL ANNUAL MIXTURE. Contains all the Grandiflora varieties and several other strains only to be had in this mixture, and will delight and astonish all with its extensive variety of colors. Over 30 different shades will be produced from a single package. 1/4 oz., \$1.50; 1/8 oz., 80c; pkt., 25c.



4220 PHLOX Vaughan's Special Mixture. Pkt., 25c.



4560 RICINUS ZANZIBAR MIXED. Pkt., 15c.

Ricinus (Castor Bean)

Culture: A or B, D or E, Page 57

Giant, strong growing plants, with ornamental foliage. These plants are reputed to drive away moles from a garden. Seeds germinate in 15 days.

4546 CRIMSON SPIRE. 6 ft. Large purplish leaves changing to bronzy green. Stems, stalks and veins are rich red; seed spikes and seed pods are brilliant crimson. Most showy. 1/2 oz., 30c; pkt. 15c.

4560 ZANZIBAR MIXED. 10 to 12 ft. The ornamental leaves, beautifully lobed, are 2 1/2 to 4 ft. across. Each plant a perfect pyramid. 1/2 oz., 30c; pkt., 15c.

Salvias

Culture: D or E; A or B, Page 57

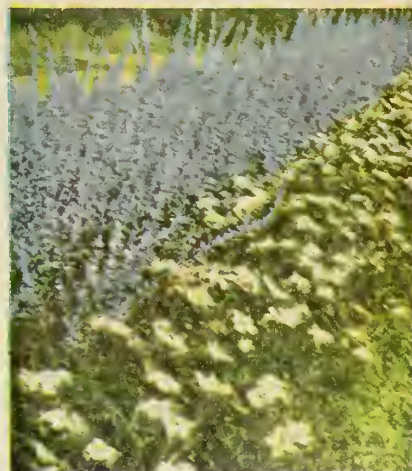
The brilliant scarlet Salvia Splendens, so highly valued in summer beds, borders, window boxes and as cut flowers, is by no means the only worthy member of this family. Wedgwood blue Salvia Farinacea Blue Bedder is increasingly popular in summer borders. Seeds germinate in 15-20 days.

SPLENDENS

4640 AMERICA, OR GLOBE OF FIRE. 16 in. Freest and most continuous bloomer; also the most uniform in habit, which makes it particularly valuable for bedding or ribbon planting. Pkt., 25c.

4655 CLARA BEDMAN (BONFIRE.) 2 ft. The spikes grow erect above the foliage forming handsome globular bushes. Pkt., 25c.

4656 CORAL PINK. The rich coral pink blends well with other flower colors and overcomes the objection of many to the vivid scarlet sage tones. More brilliant and desirable than any other pink that has been introduced to date. Pkt., 25c.



4683 SALVIA Farinacea Blue Bedder, Pkt., 25c.

BLUE SALVIAS

Culture: A or B, D or E, Page 57

4683 FARINACEA BLUE BEDDER. 2 1/2-3 ft. A true Wedgwood blue. It makes a splendid background for all other colors in the border, and can be dried as an Everlasting. Is especially handsome when grown behind a line of pink Petunias. Pkt., 25c.



4640 SALVIA SPLENDENS America, Pkt., 25c.



4066 DWARF CALIFORNIA GIANTS MASTER BLEND. We recommend this as the finest strain of Giant Flowered varieties, coming into bloom when plants are small in a wide range of color, all with veined throats. Ruffled flowers, 5 inches and more across, borne on compact bushy plants 12 inches in height. Pkt., 35c.



3939 PETUNIA All Double Sonata Pkt., 75c.

ALL DOUBLE PAN AMERICAN STRAIN (Large Flowering)

The large fully double flowers with fringed petals are freely produced on plants that are vigorous growing yet retain their compact habit. Base branching. Showy in the garden border, useful in all flower arrangements.

- 3936 ALLEGRO IMPROVED.** 18 in. Deep salmon pink.
- 3937 CAPRICE IMPROVED.** 15 in. Bright rose.
- 3938 NOCTURNE.** 15 in. Dark blue-purple.
- 3934 RHAPSODY.** 12 in. Deep Burgundy-wine purple.
- 3939 SONATA.** 18 in. Pure white.
- 3940 GLORIOUS MIXED.** A complete color range

Each of above, pkt., 75c.

Large Flowering Petunias

The flowers of this type average 3 to 4 inches across.

SINGLE FRINGED

Strong free growing plants, 12-16 inches tall, having many large ruffled and fringed flowers. Their free blooming quality makes them garden favorites.

- 4048 FRINGED SNOWSTORM.** 20 in. Flowers white with yellow throat. 3-inch diameter and deeply fringed. Pkt., 35c.
- 4062 THEODOSIA.** 20 in. Fringed rosy pink with a golden center. Fine for porch boxes. Pkt., 35c.
- 4051 RUFFLED LITTLE GIANTS MIXED.** 8-10 in. A brilliant mixture of large fringed and ruffled flowers which cover the dwarf erect plants. The flowers are pure pink, pink and white, pure red, and red and white. Fine for borders. Pkt., 35c.

SINGLE PLAIN EDGE

Flowers of heavy substance and velvety texture. Very free blooming. 12-16 in.

- 4058 ELK'S PRIDE, RE-SELECTED.** Velvety black-purple, one of best dark blues. Pkt., 25c.
- 4055 SNOWSTORM.** The glistening white flower with its faint yellow throat covers the fine compact plant, only 12 inches high. Large blooms, 4 to 5 inches across, are freely produced over along season. Pkt., 35c.

BALCONY TYPE 18-24 IN.

Single large flowering of trailing habit especially suited to window boxes. Colors are distinctively lovely.

- 4042 BALCONY MIXED.** A well-balanced color range. Pkt., 25c; 1/2 oz., 40c.



4076 FLUFFY RUFFLES MIXED. The flowers are so ruffled and frilled they have the appearance of being double. The flowers are very large with large throat. It is a well balanced mixture of pink, white, salmon, deep rose, crimson, and light blue, about 75% will be ruffled. Pkt., 35c.



4055 PETUNIA Snow Storm. Pkt., 35c.

- 3975 HOWARD'S STAR IMPROVED.** Red-purple with white star. Shown in the color illustration of our Starred Mixture. Pkt., 15c.

Small Flowering Petunias for Color and Cutting

Culture D or E, Page 57

In dry season or wet, the Petunia is the most adaptable, long flowering and colorful of the garden annuals. There is an almost complete color range from the pure white to delicate yellow, through many shades to red and rich purple, veined or blotched with plain or frilled edges. There are small, large single, and double flowered. Petunias make good cut flower material. We supply a leaflet on culture if asked for with order. Seeds are very tiny and germinate in 20 days.



3996 PETUNIA ADMIRAL. Pkt., 35c

SINGLE DWARF SMALL FLOWERING PETUNIAS 12 TO 15 IN.

- 3996 ADMIRAL.** In uniform growth, and unvarying clear dark blue coloring of its abundant blossoms, this excels all other blue Petunias. Pkt., 35c.
- 4017 CELESTIAL ROSE.** Improvement on Rose of Heaven. More compact in growth and deeper in color. A beautiful rich satiny rose with white throat. Pkt., 25c.
- 3997 FIRE CHIEF.** Winner of Gold Medal in All America trials. 1950. A dwarf, compact plant, single flowers of intense pure red, which develops its greatest brilliance in cool, sunny location. Pkt., 25c.
- 4005 IMPROVED ROSY MORN.** An improved strain of the popular clear pink bedding variety. Of deeper coloring, more compact growth, and freer flowering. 1/2 oz., 35c; pkt., 15c.
- 4019 LIPSTICK.** Medium-sized single flowers of a rich carmine rose with just a suggestion of salmon. Will not fade in the sun. Pkt., 25c.
- 4020 SNOWBALL IMPROVED.** The pure white flowers, of good size and substance, are borne in great profusion on plants of compact habit. Despite extreme heat, Snowball Improved was in continuous bloom at our Trial Grounds from early July to killing frost. Pkt., 25c.
- 4025 VAUGHAN'S SPECIAL MIXTURE** includes all the varieties listed and many others, and will be a revelation to those who plant a packet in furnishing an unending supply of flowers in a most bewildering combination of colors. 1/8 oz. \$1.50; 1/16 oz., 85c; pkt., 25c.



4030 STARRED MIXTURE. A formula-blend of such garden favorites as Twinkles, Howard's Star Improved and many others bought especially for this mixture. All bright starred, free flowering sorts which will provide an interesting border in the summer garden. Illustrated is one of many varieties to be found in this Mixture. Pkt., 25c.



A GARDEN OF PETUNIAS

To brighten up an otherwise dull corner in the garden, we suggest a planting of Single Small Flowered Dwarf (nana compacta) Petunias. Coming into flower early, they will provide color until cut down by the late frosts of Autumn. Includes such popular varieties as Celestial Rose, Violet Queen, King Henry, Glow and Snowball Improved, all are of the type illustrated above.

3985 1 pkt. each 5 Varieties... FOR \$1.00



3997 PETUNIA Fire Chief. Pkt., 25c.

ALL DOUBLE DWARF SMALL FLOWERING

3932 AMERICA IMPROVED. 1 ft. One of the first All Doubles produced in America. Flowers of carnation form and size, 100% double, compact plants. Flowers average 2 1/4 inches. Pkt. (100 seeds), 50c; 1,000 seeds, \$3.50.



Annuals for Cutting

1400 The forty or more varieties in this blend are chosen for their value as cut flowers. They are the long stemmed brightly colored flowers that go so well in vases and baskets. This will produce a glorious variety of flowers for cutting. We suggest planting in rows in the vegetable garden where the plants may be cultivated. For a continued succession of bloom, make two sowings, the first in early spring just as soon as the soil can be worked and a second when late tulips are in flower and peony buds showing color. 1 oz., 50c; 1/2 oz., 30c; pkt., 15c.



4828 Strawberry Baron Solemacher. Pkt., 25c

Alpine Strawberry

4828 BARON SOLEMACHER. This wonderful novelty has the largest berries in this strain. It makes no runners; flowers in eight weeks and produces quantities of fruit. Wash the berries, sprinkle with sugar several hours before using. The berries will almost float in juice. This brings out the flavor. Pkt., 25c.

THUNBERGIA

Culture: D or E, Page 57

5640 ALATA MIXED. An interesting climber. Makes a dense growth and produces an abundance of flowers in shades of yellow, buff and orange, all with black centers. Pkt., 25c.

Mixtures of Annuals containing many different species, such as our Surprise Garden Mixture and Annuals for Cutflower Mixture, should be sown in two lots. Some species grow best under cool conditions, while others do best in warmer soil.

We recommend sowing the first lot as soon as the ground can be worked in Spring. The second should be sown when late Tulips are in flower, or when peony buds are showing color. This double sowing will give a much wider range of Annuals from a single packet.

Newest Garden Snapdragons

Culture: A, B, D or E, Page 57

Tetra Snapdragons

These unique flowers were created by science with an amazing treatment which changed the cell structure of the plants. "Tetra-snaps" are probably the most conspicuous success this method has so far attained.

Every merit which snapdragons have as a garden flower is magnified. They have greater vigor, a longer flowering season, darker green, glossier foliage, stronger stems, and their flowers have more and larger florets, with ruffled petals and brighter colors.

358 MASTER BLEND. A new strain of Snapdragon bred to overcome the disappointment of late flowering in the "Tetra" varieties, yet with the same large bloom and fine plant habit. Very free flowering, they come in quite early, before heat of Summer can injure the flower spike. A good range of color; unexcelled for the garden border or cutting. Pkt., 35c.

433 CANDLELIGHT. Clear bright yellow.

438 CRIMSON. A deep yet bright velvety crimson.

429 ORCHID. Rich orchid-purple with yellow blotch.

435 SHADES OF ROSE AND PINK. Ranging from lightest pink to the deeper tones of rose. Especially fine for the cutting garden.

430 WHITE. Creamy white changing to pure white as flower ages. The primrose throat adds to the attractiveness of the large beautifully formed flowers.

428 YELLOW. A rich clear color.

Each of the above, except as noted, pkt., 25c.

SNAPDRAGONS IN MIXTURE

Our mixtures are "Formula-Made" to insure your receiving the most complete color range.

332 SUPER MAJESTIC MIXED. (Rust Resistant). Semi-tall, giant flowered, 16 to 20 in. Recommended for the Home Gardens. Pkt., 25c; 3 pkts., 65c.

348 MAXIMUM MIXED. (Rust Resistant). Giant flowered, spikes 32 in. tall and blooms 2 to 2½ in. across. Outstanding as cutflowers, the kind florists grow. Pkt., 25c; 3 pkts., 65c.

444 COLOSSAL MIXTURE. A strain of tremendous vigor producing in the outdoor garden strong spikes 3 ft. tall, filled with large florets. A well balanced color range that includes crimson, orange shades, pinks, white and clearest yellow. Pkt., 25c.

Gold-veined Salpiglossis

Culture: A or B, Page 57

One of the easiest of annuals to grow, the Salpiglossis is rich in deep color tones rare in the floral world, which are set off by veins of gold, marking every flower so noted. Its blossoms, similar in shape to a Petunia, on strong stems are borne profusely until frosts kill the plants. Seeds germinate in 8 days.

4630 VAUGHAN'S SPECIAL MIXTURE. Our mixture is formula-made and includes many self-colored as well as brightly veined flowers. An easy-to-grow annual that will provide a bright spot in the garden as well as interesting cutflowers throughout the Summer. ¼ oz. 40c; Pkt., 15c.

4620 DWARF GIANT FLOWERED MIXED. Giant flowers of all the delightful colors of this gold-veined trumpet flower are borne on low growing plants of compact habit, and will cover the bed or border with glowing color. Many consider this the best of all summer cut flowers. Pkt. 15c.

Last year I planted your new Trysomic Stocks. Long ago I gave up trying to raise Stocks in this area. This new variety was beautiful, even in the extremely hot dry weather we had. They blossomed all summer until frozen. As cutflowers they kept indefinitely. Mrs. S.—Iowa.

Rust-Resistant

If you have found Snapdragons difficult to grow, rust is probably responsible. Rust is a widespread disease which discolors the leaves and saps the vitality. Growing the Rust-resistant strain, difficulties disappear. Seeds germinate better, plants are more vigorous, the foliage clean, flowers large and of fine color and the flowering season prolonged. Seeds germinate in 20 days.

8 BEST COLORS

From careful records the 8 varieties listed below have been determined to be the most popular with home gardeners because of their bright colors and vigorous growth.

317 CHERRY ROSE. Brilliant deep cherry rose. An outstanding new color.

336 ROSALIE. Rich deep rose with an underlying tone of topaz or amber.

341 ALASKA. The finest pure white.

343B CAMPFIRE. Pure luminous scarlet.

344 CANARY YELLOW.

346 LOVELINESS. Pure soft rose-pink.

353 PINK SENSATION. Pure pink, frilled flowers.

347 RED CROSS. Deep rich crimson, white tube.

Each of the above, pkt., 25c; 3 pkts., 65c.

425 VAUGHAN'S SPECIAL MIXTURE OF SNAPDRAGONS. (Antirrhinum). Includes all the Rust Resistant varieties listed, and others bought especially for it, providing a never ending color feast of long stemmed flowers. ¼ oz., 90c. Pkt., 25c.

Vigorous Crimson Giant

431 VELVET GIANT. 2½ ft. tall, each plant produces 6 to 12 spikes. Rich, velvety, deep crimson blooms show an undertone of orange-bronze. A top-notch variety for cutting and garden. Pkt., 25c.

MINIATURE SNAPDRAGONS

A delightful strain forming compact tufts 4 to 6 inches high, covered with miniature flowers. Excellent for rockeries, small beds and edgings.

432 MAGIC CARPET. Very compact with a good range of colors including pinks, terra cotta shaded apricot and a few purplish shades, with light shades predominating. Pkt., 25c.



358 SNAPDRAGON MASTER BLEND. Pkt., 35c



4630 SALPIGLOSSIS Vaughan's Special Mixture. Pkt., 15c.



4588 SAINTPAULIA (African Violet) BLUE FAIRY TALE. Extra large flowers in rich blue shades with bright yellow eye. Free flowering. Strong bushy plants with foliage of a rich dark green. Pkt., 50c.



4731 SCABIOSA BLUE MOON. Pkt., 15c.

New Scabiosa Type

Super Crown Imperial Giant (4 ft.)

Culture: A or B, D or E, Page 57

Sweet Scabiosas have a soft fragrance and add beauty to the garden picture. They are fast growing annuals and among the most important cut flowers. Blooms on long, slender stems, which are exceedingly graceful. Seeds germinate in 20 days.

This new Scabiosa eliminates entirely the "pin cushion" center of the older type and displays to advantage the full beauty of the broad waxy petals. The ball-shaped fully double flower is borne erect on tall stems, making it an excellent cutflower.

4731 **BLUE MOON.** Sky-blue tinged with lavender. Pkt., 15c.

4732 **BRIDESMAID.** In varying tones of salmon pink. Pkt., 25c.

4717 **CORAL PINK.** Medium to deep salmon, clear and brilliant. Pkt., 25c.

4735 **SUPER CROWN IMPERIAL GIANT MIXED.** A complete range of color which includes white, salmon, coral, rose and red, also the various tones in blue. Pkt., 25c.



4735 SCABIOSA Super Crown Imperial Giant. Pkt., 25c.

Sweet Peas that Flower in Hot Weather

CUTHBERTSON FLORIBUNDA SWEET PEAS. The fact that they continue blooming long after hot weather comes, and other sweet peas have died, is not the only merit of this splendid strain. They are the true Spencer, orchid flowering type, and have exceptional vigor. Their colors are bright and clear, stems long, flowers large and deliciously fragrant. The most widely used for outdoor growing, particularly under Middle-West conditions.

For better results, Sweet Pea seed should be inoculated with nitrogen before planting. Garden size packet, 25c.



5265 CUTHBERTSON FLORIBUNDA Sweet Peas, Mixture. Pkt., 25c.

5265 **MIXED.** A brilliant well-balanced blend. Pkt 25c; 1/2 oz., 65c; oz., \$1.00.



5635 TAHOKA Daisy. Pkt., 25c.

Culture: A or B, D or E, Page 57

5635 A beautiful lavender-blue Daisy with fern-like foliage, on good long stems. Flowers are tinted with rose as they fade, center deep yellow. Under open ground culture the plants are in bloom by middle of June and flower until October. Excellent for cutting. To get an even and quick germination, keep seed in refrigerator two weeks. Pkt., 25c.

For something different in your bouquet of Everlastings, use Bell of Ireland. This unusual bit of green makes an excellent filler and will create quite some interest.

Sweet Peas Multiflora (Zvolanek)

An interesting new development in Sweet Peas, coming into flower between the Cuthbertson (Heat Resistant) and Early Spencer groups. Five and six flowers will appear on a stem, all of good size and in bloom at one time. Very free flowering.

5307 **MIXED.** A formula blend from named sorts in a complete range of color. Pkt., 25c.

COLLECTION NO. 5310. Sweet Pea Zvolanek's Multiflora. A complete range of color that includes Deep American Beauty Rose, Christmas Red, Elk's Purple, Orange-cerise, Rose Pink, Salmon Pink and White. 7 Packets for \$1.00.

SPENCER SWEET PEAS

5622 **RUFFLED MIXED.** An outstanding mixture, including blue, cream, rose, salmon and white, all extra large, prettily ruffled and frilled. Pkt., 15c.

5595 **VAUGHAN'S SPECIAL MIXTURE, EARLY FLOWERING SPENCERS.** A Formula blend made from named sorts, including the most fragrant varieties. This strain is recommended for all sections where Spring is late as they flower before the summer heat arrives. Oz., 70c; pkt., 15c.

COLLECTION NO. 5600. One packet each Sweet Peas Early Flowering Spencer, Fragrant Varieties, Amethyst, American Beauty, Princess Blue, Harmony Lavender, Shirley Temple rose pink, Laddie Improved, Hope, pure white, black seeded, Cascade, white seeded white, Mrs. Herbert Hoover and Oriental, cream. 10 Packets for 75c.

COLLECTION NO. 5250. One packet each Sweet Peas Cuthbertson Floribunda. Includes oxblood-crimson, rosy lavender, rosy crimson, pictée rose pink on white ground, pure white, rose pink, salmon cream-pink, medium blue and coral pink. 9 Packets for \$1.00.



Torenia (Wishbone Flower)

Culture: D or E, A or B, Page 57

5645 **FOURNIERI.** Bushy globular plants literally covered with the lovely, richly-colored Snapdragon-like flowers of a delightful sky-blue with a touch of gold on the lip. Likes a damp soil. 1 ft. Seeds germinate in 15 days. Pkt., 15c.

CAUTION: Seeds of *Datura* and *Castor Bean* are poisonous. Care should be taken to keep them away from children who are attracted by the bright color of the seed.

Bright Hued Verbenas

Culture: D or E, A or B, Page 57



5749 VERBENA Dwarf Master Blend. Pkt., 35c.

These colorful annuals originated as desert plants, and thrive in the sun, flowering continuously. They make gay garden beds, and bouquets. Do not sow the seed outdoors until the soil gets warm (May 15th to June 1st). May also be started earlier indoors to advantage. Grow only 6 to 12 inches tall but spread to 2 feet across. Seeds germinate in 8 days.

DWARF VERBENAS

5738 SPARKLE. A bright scarlet red greatly intensified by a gleaming white eye. Large size blooms so tightly arranged they give the effect of a solid mass of color. The plants are of uniform and compact growth and the bloom is freely produced throughout the entire season. 7 in. Pkt., 25c.

5741 CRYSTAL. A glistering snow white color with the same fine dwarf compact habit as Sparkle. Florets are large and produced in large clusters of 12 to 15 per plant. A trim plant growing about 9 inches tall with a spread of 12 inches, fine compact habit which is retained throughout the blooming season. Pkt., 25c.



5738 VERBENA Sparkle Pkt., 25c.

5749 DWARF MASTER BLEND. Plants are very compact and dwarf. Flowers appear when plants are quite small and retain their color and habit throughout the entire season. Bright colors in a wide range, many with eyes. Excellent for introducing mass of bright colors in the border, or for ribbon planting. Pkt., 35c.

HYBRIDA GIGANTEA 1 FT.

A magnificent strain of robust habit, the individual florets measuring an inch in diameter.

5701 GIGANTEA ALBA. Pure white. Very fragrant.

5718 —LAVENDER GLORY. A true lavender with a medium-sized creamy white eye. The color runs about 80% true. It is also distinctly fragrant.

5721 —SALMON QUEEN. A pleasing shade of bright salmon pink with small white eye. Tight compact habit. Pkt., 25c.

5720 —VIVID. The most brilliant sunproof scarlet, a bright intense color. Large uniform trusses, and proportionately large florets. The numerous trusses growing close together form a solid carpet about 8 in. tall. The tight compact growth eliminating the open centers. Pkt., 25c.

Each of the above, except as noted, pkt., 15c.

5726 BUSH TYPE MIXED. Plants of uniform bushy habit about 8 to 10 inches high, with flower heads practically touching each other. A ribbon of color for the border. Includes vivid red, salmon pink, attractive mid-blue with white eye and clearest white. Pkt., 25c.



5813 VIOLA VAUGHAN'S SPECIAL MIXTURE. Pkt., 25c.

Hardy Violas

Culture: A or B, Page 57

BECAUSE of their free flowering habit and long season of bloom, Violas are becoming rapidly more popular for use in the foreground of the border, in small beds, and in rockeries, where their dwarf spreading habit is welcomed. They continue flowering all summer. Seeds germinate in 10 days.

CORNUTA TYPE—10 IN.

5790 BLUE PERFECTION. Light Blue. Pkt., 25c.

5804 CHANTREYLAND. Apricot. Pkt., 25c.

5796 JERSEY GEM. Pure violet; fragrant. Pkt., 25c.

5802A KING HENRY. Deep purple-violet with yellow eye. Pkt. 25c.

5806 WHITE PERFECTION. Finest white. Pkt., 25c.

5805 YELLOW GEM. Clear yellow. Pkt., 25c.

CORNUTA HYBRIDA (LARGE FLOWERS)

5787 ARKWRIGHT RUBY. Bright ruby crimson shaded terra-cotta; fragrant. Pkt., 25c.

5790A CHINESE BLUE. A round-faced type such as Jersey Gem with flowers of pure sky-blue. Pkt., 25c.

MISCELLANEOUS VIOLAS

5797 JOHNNY-JUMP-UP OR VIOLA TRICOLOR. They are more hardy than others and allowed to seed will carpet a Rose or Iris bed with a mass of flowers early in May. They bloom all season. Purple, blue and yellow are the three colors that give them their name. Pkt., 25c.

5811A NIGRA OR BLACK IMP. Quaint little flowers of velvety black coming quite true. Blooms quickly first year from seed. Pkt., 25c.

5813 VIOLA Vaughan's Special Mixture. A delightful mixture in a complete color range, from pale lavender to rich purple-black, yellow, white, terra-cotta, apricot and rose. Pkt., 25c.

5730 VERBENA Vaughan's Best Mixture.

Includes all the Hybrida and Gigantea sorts and other sorts not listed and we feel perfectly safe in stating this mixture of Verbenas will eclipse every other strain offered by any other house, and it will produce flowers that will delight all beholders through the summer. 1/5 oz., 65c; pkt., 15c.

Mixtures of Annuals containing many different species, such as our Surprise Garden Mixture and Annuals for Cutflower Mixture, should be sown in two lots. Some species grow best under cool conditions, while others do best in warmer soil.

We recommend sowing the first lot as soon as the ground can be worked in Spring. The second should be sown when late Tulips are in flower, or when peony buds are showing color. This double sowing will give a much wider range of Annuals from a single packet.

Colorful Zinnias

Culture: A or B, D or E, Page 57

THEY bloom in great profusion—standing well out above the foliage and registering as a color mass in the picture. They are also excellent for cut flowers. Do not sow seed until ground is warm. In fertilized soil and watered freely, flowers will be more completely double. Seeds germinate in 5-7 days.

Giant Zinnias

Modern plant breeding has made obsolete old distinctions between giant types of Zinnias. The following listing combines the finest of these types, regardless of old classification. All are full, deep types with large flowers. These have been selected as the best Zinnias based on customer's reports and our Trials.

- 6131 **CANARY BIRD.** Rich canary yellow.
 - 6164 **CHERRY QUEEN.** Brilliant cherry.
 - 6133 **CRIMSON MONARCH.** Rich crimson, largest and best of red shades.
 - 6134 **DREAM.** A fine, deep rosy lavender.
 - 6135 **EXQUISITE.** Light rose with center a deep rose.
 - 6168 **ISABELLINA.** Soft cream-yellow. Distinct. Blending well in all color combinations in the garden or flower arrangement. Pkt., 25c.
 - 6163 **MISS WILLMOTT.** Soft pink.
 - 6139 **POLAR BEAR.** Large pure white.
 - 6143 **ROYAL PURPLE.** Deep rich reddish purple.
 - 6143A **WILL ROGERS.** A most beautiful scarlet red.
- Each of the above, except as noted. Pkt., 15c, any four pkts., 50c.



6133 ZINNIA Crimsan Monarch. Pkt., 15c.

Cut-and-Come Again

PUMILA DOUBLE

These bushy plants with their wealth of bloom are showy garden subjects as edgings or in mass plantings. The more they are cut, the more they bloom.

- 6080 **SNOW BALL.**
 - 6100 **WATERMELON PINK.** A very pleasing and charming shade of salmon-rose.
 - 6097 **PINKIE.** Rose-pink.
- Each of the above, pkt., 15c; 2 pkts., for 25c.
- 6105 **PUMILA VAUGHAN'S SPECIAL MIXED.** 1/4 oz., 50c. Pkt., 15c.
 - 6099 **SUNSHINE TINTS.** New rich pastel shades. Fine for cutting or for borders. Flowers average 2 in. across and plants are about 18 in. tall. Pkt., 15c.

Midget Zinnias

Cupid Type. The smallest of all. 1 ft.

Compact plants of bushy habit. Each upright stem bears a flower 1 in. in diameter. Ideal for cutting and for use in miniature vases.

- 6025 **CUPID MIXED.** Pkt., 15c.

Gay Mixtures for the Border

6156 **CALIFORNIA GIANTS, VAUGHAN'S SPECIAL MIXTURE.** This is specially blended from a prepared formula to insure well balanced color harmony, and will make a gorgeous display in mass planting; in the cutting garden it insures an all-summer supply of flowers for bouquets. 1/2 oz., \$1.35; 1/4 oz., 75c; pkt., 15c.

6145 **GIANT DAHLIA FLOWERED GOLD MEDAL MIXED.** A bewildering variety of delightful colors, all giant flowers. 1/2 oz., \$1.35; 1/4 oz., 75c; pkt., 15c.

5901 **SUPER CROWN OF GOLD PASTEL TINTS.** Large well-formed flowers in rich pastel shades, each petal overlaid at the base with deep golden yellow. Pkt., 15c.

5893 **ZINNIA VAUGHAN'S SPECIAL MIXTURE OF ALL TYPES.** This is intended for the cutting garden, and includes all colors and types of Zinnias, large and small flowered, as well as Gaillardia flowered, Fantasy and other novelty strains. Most interesting combinations of form and color can be made in bowls and vases with flowers cut from a row of this mixture. Pkt., 25c.

6170 **VAUGHAN'S SPECIAL MIXTURE OF ALL GIANT SORTS.** This includes all giant varieties listed and many others. All colors are represented. Planted in a mass, it will produce a display of vivid colors; in the cutting garden it will provide cut flowers of giant size and a full range of colors from July until killing frosts come in the fall. 1/2 oz., \$1.35; 1/4 oz., 75c; pkt., 25c.



All-Type Zinnia Collection

8 Packets (\$1.40 value) \$1.00

6185 **ALL-TYPE ZINNIA COLLECTION.** So varied are the forms and colors of the zinnia, an entire garden can be planted with this native American flower. The illustration above shows distinct forms, varying from dwarfs to giants, bearing small flowers and large, capable of filling every garden role. One packet each of the following eight varieties are included in the collection: Dahlia Flowered Gold Medal Mixture; Fantasy Mixture; Cupid Mixture; Pumila Vaughan's Special Mixture; Lilliput Vaughan's Special Mixture; Cactus Flowered Giant Hybrids; Persian Carpet; California Giants Vaughan's Special Mixture. All eight packets (value \$1.40) for \$1.00.



6075 ZINNIA Lilliput, Vaughan's Special Mixed. Pkt., 15c.

Lilliput Zinnias

The plants form handsome little bushes and fairly bristle with tiny, short-stemmed, very double flowers. They bloom all summer. 12 to 15 in.

- 6071 **BLACK RUBY.** Rich deep maroon
- 6052 **BRIGHT PINK.** (Deep flesh.)
- 6073 **CANARY YELLOW.**
- 6068 **ROSE BUD.** Rose-pink.
- 6065 **SALMON ROSE GEM.**
- 6067 **WHITE GEM.**

Each of above; Pkt., 15c.

6075 **LILLIPUT VAUGHAN'S SPECIAL MIXED.** Oz., \$1.75; 1/4 oz., 65c; pkt., 15c.

6070 **LILLIPUT PASTEL MIXTURE.** 15 in. A carefully chosen mixture of pastel tints of yellow, pink, rose and orchid. They flower in 45 days. Pkt., 15c.

Smallest Single Zinnia

6127 **LINEARIS.** 10 in. The flowers, with a single row of petals, are one and one-fourth inches in diameter; at first each golden orange petal carried a greenish stripe down the center and a greenish tip, but as the flower developed the green turned to light yellow, making a pleasing contrast with the orange of the outer portions. The quarter-inch orange center cushion turned dark as the flower developed. Early flowering. Pkt., 15c.



Pure Cream Zinnia

5885 **ZINNIA ICE CREAM.** The first giant pure cream Zinnia. Distinctive cactus blooms, up to 5 inches and more in diameter, deep and fully formed. The color is deep enough to be interesting, yet so delicate it combines well with even the most vivid of reds and blues. Pkt., 25c.

Decorative Zinnias



Tom Thumb Zinnias

6050 ZINNIA LILLIPUT TOM THUMB MIXTURE. Small double flowers cover the plants which grow 8 to 10 inches tall, Red, orange, pink, yellow and white pastels. Delightful for low bowls. Pkt., 15c.



6110 ZINNIA RED RIDING HOOD. 1 ft. Of compact form, covered the entire season with double scarlet flowers not over an inch across; as a border plant it is highly effective. $\frac{1}{4}$ oz., 75c; $\frac{1}{8}$ oz., 40c; pkt., 15c.

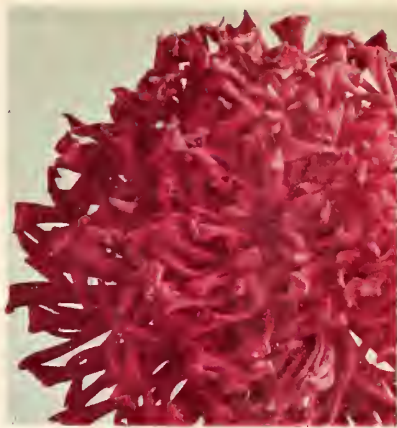
DIANTHUS BARBATUS (SWEET WILLIAM)

Culture: A, B, D or E, Page 57

In early June, when summer flowers are not yet in bloom and there is little in the garden available for cutting, the Sweet William is most welcome. Seeds germinate in 8 days



7715 VAUGHAN'S SPECIAL MIXTURE OF SWEET WILLIAM of all sorts listed, and others. Pkt., 25c.



5910 ZINNIA FANTASY MELODY. Pkt., 25c.

Fantasy Type

2½ ft. shaggy, ray-like petals, like Cactus Dahlia.

5910. MELODY. Soft orchid lavender. Pkt., 25c.

5912 ORANGE LADY. Bright deep orange.

5911 ROSALIE. Intense rose.

5909 STAR DUST. Deep golden yellow.

5913 WHITE LIGHT. Pure white.

5914 WILDFIRE. Rich dazzling scarlet.

Each of the above, except as noted, pkt., 15c; 2 pkts. for 25c.

5908 MIXED. A bright colorful mixture of shaggy petaled double flowers. $\frac{1}{4}$ oz., 60c., pkt., 15c.



6043 ZINNIA Persian Carpet. Pkt., 25c.

6043 PERSIAN CARPET. 18 in. All America Honorable Mention 1952. On compact bushy plants, flowers as large as a silver dollar are produced in the greatest abundance. They resemble dahlias, rather than zinnias, with pointed petals tipped with contrasting colors. They are fully double, almost globular and their colors are deep and rich, including yellow, orange, red, crimson, maroon, and pink in harmonious patterns, which fully justify its poetic name, Persian Carpet. They grow quickly from seed and bloom with increasing abundance until killed by frost. Pkt., 25c.

Seeds of Hardy Perennials



PAINTED DAISIES

8438 PYRETHRUM ROBINSON'S HYBRIDS, MIXED. A selection made by an English specialist, with a fine color range. Pkt., 25c.



8313 POPPY ORIENTALE NAMED NEW VARIETIES. Seed collected from a field of the newer named sorts. Lovely pinks, rose and white. Pkt., 25c.



HARDY YELLOW ALYSSUM

7055 ALYSSUM SAXATILE COMPACTUM (BASKET OF GOLD). 9 in. Almost as soon as winter is over it becomes a mass of yellow gold. Pkt., 15c.



8585 VIOLA GEORGIA PEACH. Bright shades of delicately peach colored blooms, slightly ruffled on the edges. Plants are uniformly compact and well formed. Pkt., 25c.

Variety: Spice in the Garden, Too

Here are annuals not as commonly planted as those listed on pages 16 to 42 in color. These are by no means of less value in the garden. Because they add variety to the more popular items, they are truly "spice in the garden," and are listed for the benefit of advanced gardeners who need no color and elaborate description to identify favorites.

A NOTE ON HABIT: Heights given are averages for several years of annuals grown at our trials in the Midwest. These may differ from those shown on packets, which are averages for the entire United States. All annuals may vary in height or spread due to variations in soil, moisture, light and temperature.



166 **ACROCLINIUM**. Double Giant Mixture. Pkt., 15c.

Acroclinium (Everlasting)

Culture: A, B, D or E, Page 57

Flowers resemble the English daisy, lovely pastel colors which remain unfading when dried for winter bouquets. Blooms in six weeks. Germinates in 15 days.

166 **SENSATION DOUBLE GIANT MIXTURE**. 20 in. Double or semi-double flowers of white, chamois flesh pink and bright rose. Pkt., 15c.



311 **ANCHUSA**. Blue Bird. Pkt., 25c.

Anchusa Blue Bird

Culture: A, B, D or E, Page 57

311 2 ft. One of the best blue annuals, bearing on upright branching stems terminal spikes of forget-me-not flowers, intense blue with white eye. By cutting back the growth when flowers fade, all-summer bloom may be assured. Seed germinates in 15 days and growth is rapid. Pkt., 25c.

Runner Beans

4766 **SCARLET EMPEROR**. Runner beans serve a double purpose—they provide both flowers and food. Some persons do not realize that these beans are good to eat, yet in England they are grown by the acre by market gardeners for their city trade. Pkt., 15c

Bird of Paradise

Culture: D, Page 57

1149 **POINCIANA GILLIESI**. 2 ft. Popular name is due to fancied resemblance of the flowers, in profile, to the head of the Bird of Paradise. Blossoms are of rich golden yellow, with long incurving stamens and pistils of crimson. Germinates in 15 days. Seed should be started under glass and plants carefully hardened off before setting in the garden. Very susceptible to cold. This is not the commercial variety seen in local florist shops but is a fine garden strain. Pkt., 15c.

Cacalia (Tassel Flower)

Culture: A only, Page 57

This "perky little" annual blooms in a few weeks from seed. The flowers of scarlet or gold on branching stems look exactly as the name indicates fluffy tassels, less than half an inch in diameter. Blooms until heavy frost. Try these in a copper bowl with the Castor Bean (*Ricinus*) seed pods and leaves for a lovely effect. Seeds germinate in 15 days.

1170 **MIXED**. 2 ft. Scarlet and yellow. Pkt., 15c.

Grow Cacti from Seed

Culture: C, D or E, Page 57

Growing Cacti from seed is easy and interesting, each miniature plant being perfect. The seeds germinate irregularly over a period of 14 to 40 days.

1251 **CACTI**. All kinds and forms mixed. Pkt., 25c; 5 pkts. for \$1.00

Gay Calliopsis Clan

Culture: A, Page 57

The annual *Coreopsis*, its flowers are similar in form, but many are marked with bands or centers of contrasting tones. Colors include variations of yellow and orange including brown, maroon and almost crimson. Seeds germinate in 10-20 days.

1245 **VAUGHAN'S SPECIAL MIXTURE**. It contains all the desirable types and colors of these beautiful flowers. A great number of kinds have been especially selected for it. Pkt., 15c.

Cardinal Climber

Culture: A, B, D or E, Page 57

1320 A very attractive rapid grower, attaining a height of 25 feet. Beautiful fern-like lacinated foliage. Fiery cardinal-red flowers from mid-summer to frost. Germination takes 5-10 days. Pkt., 15c.

Chrysanthemums

Annual Single Flowering 20 in.

Culture: A, D or E, Page 57

Of the easiest culture; flower profusely during late summer and fall. They are showy in the garden and fine for cutting. Prefer heavy soil. All types should be pinched back to encourage branching. Seeds germinate in 8 days.

1696 **VAUGHAN'S RAINBOW MIXTURE**. This wonderful strain of *Carinatum* Hybrids includes purple, scarlet, orange, salmon rose, yellow, white all beautifully zoned. Pkt., 15c.

Double Clarkia

Culture: A, B, D or E, Page 57

The lovely *Clarkias* are effective in the garden or as cut flowers in the home. Great spikes of double and semi-double flowers in the daintiest colors are produced from the poorest soil. Plant in shade. If the roots are confined by growing in small pots, they will bloom earlier. Seeds germinate in 8 days.

1790 **VAUGHAN'S SPECIAL MIXTURE**. 3 ft. Made up especially from named varieties 1/2 oz., 35c; pkt., 15c.

Yellow Cosmos

1980 **YELLOW FLARE**. 3 ft. Bright clear yellow. The single flowers are about 2 1/2 in. across, produced in abundance. Delightful when used in flower arrangements. Give same cultural care as Fiesta. Pkt., 25c.

Ornamental Cotton

1997 Sown indoors, and transplanted after danger of frost is over, cotton plants develop quickly into low bushes of definite ornamental value, with lovely pink buds followed by creamy blossoms. The white bolls make winter bouquets. Sorry, cannot be sent to California on account of quarantine regulation. Pkt., 25c.



1295 **CANDYTUFT**. Fairy Mixed. Pkt., 25c.

Candytuft (Iberis)

Culture: A, B, D or E, Page 57

Successive planting give flowers all summer. Seed germinates in 5-10 days.

1260 **GIANT HYACINTH FLOWERED WHITE**. 1 ft. Large, bold spikes of snowy white flowers. Plant sturdy and compact. Pkt., 15c.

1287 **UMBELLATA MIXED**. 1 ft. Flowers in umbrella form. 1/4 oz., 30c; pkt., 15c.

1295 **FAIRY MIXED**. Compact little plants in a wide range of color. For bedding or border, wherever a ribbon-like effect of lively color is desired. Early and free flowering. 8 in. Pkt., 25c.

Chinese Forget-Me-Not CYNOGLOSSUM

Culture: A, B, D or E, Page 57

On upright branching stems, terminal spikes of blue flowers are borne throughout the summer. One of the finest sources of blue masses in beds or borders. Seeds germinate in 8 days.

2015 **BLUE BIRD**. 18-24 in. Produces long sprays of sky-blue Forget-Me-Not like flowers. Grows easily and blooms for a long season. A most delightful addition to our list of blue flowers. 1/4 oz., 30c; pkt., 15c.

2020 **FIRMAMENT**. 12 in. It is dwarf, free-blooming over a long season; flowers a bright indigo blue. It is recommended for dry, poor soil. Pkt., 15c.

2024 **MIXED**. Blue and White. Pkt., 25c

Cypress Vine

Culture: A, D or E, Page 57

A graceful, twining annual climber with fernlike foliage and star shaped blossoms. Sow when ground is warm, first soaking seeds in warm water, germination takes 5-10 days.

2040 **MIXED**. Scarlet and white. Pkt., 15c

Gloriosa Daisy

(Culture: A or B, Page 57)

2055 Long broad petals of bold gaily colored blooms in shades of golden orange and gold, mahogany and bronze and mahogany and gold, are set off by dark velvety centers. They are easy to grow, with flowers up to 7 in. across on long strong stems which completely top the 3 ft. plants. In bloom from early summer until late fall. A long-lasting cutflower. Pkt., 25c.

Didiscus

2310 **LACE VEIL**. The paper-white counterpart of the old garden favorite, Blue Lace Flower early free flowering with long stems making it ideal for cutting. 2 1/2 ft. Pkt., 25c.

African Daisy

(*Dimorphotheca*)

Culture: A, B, D or E, Page 57

Showy annuals from South Africa, bearing gorgeous, Daisy-like blooms during summer and fall. Easy culture in well-drained soil, sunny exposure. Seeds germinate in 15 days.

2318 GLISTENING WHITE. 6 to 8 in. The petals of the daisy-like flowers 4 inches in diameter, glisten like white enamel. They are borne freely on low, spreading plants, like hot sun and dry weather, and flower long after frost. Pkt., 25c.

2320 GOLD DAISY. 1 ft. A rich orange gold, which is rendered more conspicuous by dark center disc. Pkt., 25c.

2325 HYBRIDS. 1 ft. They vary in color from pure white to red and blush including sulphur, lemon and bright golden yellow, light orange, reddish yellow and pale salmon-rose. Pkt., 15c.

California Poppy

Escholtzia Californica

Culture: A, B, D or E, Page 57

Plants of low spreading growth with finely cut silvery foliage bear gaily colored Poppy-like flowers with satiny petals. Do well in any well drained, loose soil and sunny position. Bloom early and continue until frost. Seed germinates in 8 days.

2415 VAUGHAN'S SPECIAL MIXTURE. Containing all the more important colors and color-combinations. $\frac{1}{8}$ oz., 40c; pkt., 15c.

Everlastings

2440 MIXED. A formula blend of varieties which can be dried for bouquet work, including Statice, Gomphrena, Xeranthemum, Acrocinium, Salvia Blue Bedder and others. Pkt., 15c.

Blue Gilia

Culture: A, B, C or D, Page 52

Seed germinates in 20 days.

2532 CAPITATA (Blue Thimble Flower). 2 ft. Bushy plant of erect habit with fine feathery foliage covered all summer with rich sky-blue flowers. 1 inch across. Makes a good cut flower. May also be dried and used as everlasting. Pkt., 15c.

Godetia (Satin Flower)

Culture: A, B, D or E, Page 57

Attractive, bushy plants with masses of large, colorful blooms during the summer and fall. Thrive best in a cool, moist soil. Seeds germinate in 15 days.

2595 DOUBLE VAUGHAN'S SPECIAL MIXTURE. Double flowers closely set on spike, bright and attractive. Pkt., 15c.

Globe Amaranth

(*Gomphrena*)

Culture: A or B, Page 57

2536 BUDDY. An excellent dwarf strain for edging. Uniform ball shaped plants 6 in. tall with vivid purple blooms. In flower over a long season. Pkt., 25c.



2861 HUNNEMANNIA. Sunlite. Pkt., 15c.



Gourds

Culture: A, B, D or E, Page 57

Gourds make attractive decorations at autumn parties and harvest festivals. The small ones may be placed in bowls for table decorations. Bird houses, dippers, bowls and toys are made of others. The vine is an excellent cover for arbors and trellises. Leaflet on culture sent free if asked for with order. Seeds germinate in 15 days.

SMALL FRUITED VARIETIES

- 2607 Bottle Miniature
- 2609 Crown of Thorns. Pkt., 25c.
- 2643 Spoon
- 2646 Worted Sorts Mixed
- 2650 Small Fruited Varieties Mixed

LARGE FRUITED VARIETIES

- 2610 Dipper
 - 2618 Hercules Club
 - 2645 Turk's Turban
 - 2651 Large Fruited Sorts Mixed
- Each of the above, except as noted, pkt., 15c; 2 pkts., for 25c.

2660 VAUGHAN'S SPECIAL MIXTURE. All shapes and sizes of these interesting fruits, so fashionable for ornaments, bird houses, and utensils, are included in this mixture. $\frac{1}{2}$ oz., 65c; pkt., 15c.

Hunnemannia

Culture: A or B, D or E, Page 57

2861 SUNLITE. $1\frac{1}{2}$ ft. Gorgeous, semi-double, clear canary-yellow blooms. The extra rows of short petals are on the outside instead of the inside of the Tulip-shaped flowers. Light gray-green foliage. Flowers last two to three days. Seeds germinate in 10 days. Pkt., 15c.

Lantana

Culture: D or E, Page 57

A tender perennial grown as an annual in cold winter sections. May be grown in pots, or set out in Summer. Remain in bloom late in autumn.

2975 TALL MIXED. 1 ft. Verbena-like flowers in shades of white, red and yellow. Fragrant. Pkt., 15c.

Blue Lobelias

For varied and vivid tones of blue, produced in such abundance as to hide the leaves, the dwarf varieties are unrivaled. Best of all blues for edging and ribbon planting. By cutting back in midsummer, all-summer bloom is assured. Seed germinates in 10 days.

- 3041 BLUE GOWN.** Clear deep blue, without eye, fine compact habit. Pkt., 25c.
- 3045 CRYSTAL PALACE COMPACTA.** 4 in. Deep-est blue, dark foliage. Pkt., 15c.
- 3049 MRS. CLIBRAN IMPROVED.** 4 in. Flowers of deep blue with white eye. A compact plant completely covered with showy flowers which provide an interesting array of color in the bed or border. Pkt., 25c.
- 3070 DWARF MIXED.** Our own blend of dwarf Lobelias which includes many not listed. Pkt., 15c.

Trailing Lobelias

Are especially effective in hanging baskets or window boxes, where a long drooping effect is desired.

3065 SAPPHIRE. Large, deep blue flowers with a pure white eye. Pkt., 15c.

Marigolds for Color



3115 MARIGOLD. Man-in-the-Moon. Pkt., 25c.

Carnation Flowered

3129 CALIFORNIA GOLD. $2\frac{1}{2}$ ft. Attractive deep orange flowers, with long loose petals artistically arranged, without Marigold odor. Flowers $2\frac{1}{2}$ in. across on good wiry stems. Pkt., 15c.

3115 MAN-IN-THE-MOON. 3 ft. Solid round carnation-like flower heads composed of broad, crisply ruffled taffeta-like pale moon-yellow petals. Plants vigorous and the strong stems make it ideal for cutting. The flowers of this lightest of all Yellow Marigold are 3 to $3\frac{1}{2}$ inches across. Pkt., 25c.

3131 REAL GOLD. 2 ft. Large carnation-type flowers up to $4\frac{1}{2}$ inches across are borne on compact bushes rather late in season. Color is golden orange illumined with yellow and flowers are abundant. Pkt., 25c.

Chrysanthemum Flowered

3127 LIMELIGHT. 3 ft. A pale primrose yellow or deep cream, in the incurved. Chrysanthemum-flowered type. Early-flowering $1\frac{1}{2}$ - $2\frac{1}{2}$ inches in diameter, free-flowering and coming quite true. Pkt., 15c.

3140 VAUGHAN'S CHRYSANTHEMUM FLOWERED HYBRIDS. 3 ft. An early flowering strain, bearing flowers of several distinct types, and tones of orange and yellow. Pkt., 15c.

3155 SUPER GIANT MIXED. All large flowered sorts. Pkt., 25c.

Mexican Marigolds

3110 SIGNATA PUMILA LULU. Very compact plant. New Midget Varieties. 7 inches tall, and 12 inches in diameter, completely covered with single dainty florets, $\frac{3}{4}$ in. across. A pleasing shade of bright canary yellow, without a zone but with a small eye that is a trifle darker. Pkt., 25c.

3111 SIGNATA PUMILA URSULA. Florets measure $\frac{3}{8}$ inch across, of a bright golden orange with a brighter orange zone and eye. Like Lulu it is outstanding for the garden border, edgings and in the rockery. It was in full bloom throughout the season at our Western Springs Trials. Pkt., 25c.

Annuals for Shady Locations

Anchusa	Coleus	Nemophila
Antirrhinum	Cynaglossum	Pansy
Begonia	Impatiens	Petunia, Small
Bellis Perennis	Linaria	Fld.
Canary Bird	Myasotis	Schizanthus
Vine	Nasturtium	Stacks
Centaurea	Nicaliano	Tarenia
Clarkia		Vialas

4746 ANNUALS FOR SHADE MIXED. Pkt., 25c.

For something different in your bouquet of Everlastings, use Bell of Ireland. This unusual bit of green makes an excellent filler and will create quite some interest.



3174 **MARIGOLD.** Harmony Pkt., 15c.

MARIGOLDS—continued

Double Dwarf French

- 3163B YELLOW PYGMY.** 8 in. Light lemon-yellow Lilliput French double. Small, 1½ in. blooms, rather free and exciting for edging beds. Pkt., 15c.
- 3174 HARMONY.** Dwarf, compact, early, golden yellow bordered, maroon red. Pkt., 15c.
- 3160 PARISIAN HYBRIDS.** Full double flowers ranging from pale yellow to deepest coppery red, many solid colors, others striped and mottled. Large blooms, very free flowering. 12-15 in. Pkt., 25c. ¼ oz., 75c.

3175 VAUGHAN'S SPECIAL MIXTURE OF DWARF DOUBLE AND SINGLE VARIETIES.

These dwarf, compact strains are very attractive, each plant being covered with hundreds of small bright flowers, including listed varieties and many others of charming variations. ¼ oz., 50c; pkt., 15c

Single French

- 3189 SUNNY.** 15 in. Cheerful, single, bright yellow flowers, about 2 in. across with attractive wavy edges. Plants are well-rounded, and covered with blooms. Pkt., 25c.
- 3187 FLASH.** 18 in. All America Silver Medal. The name is descriptive of the bright combination of colors which range from vivid red through bronze with a few yellow flowers. Flowers grow 1¾ in. across. Pkt., 25c.
- 3179 NAUGHTY MARIETTA.** 2 ft. Golden yellow flowers with mahogany star in center, 2 to 2½ in. across. Dwarf showy plants completely covered with bloom. Pkt., 25c.

Evening Scented Stock

Culture: A or B, Page 57

- 3212 MATTHIOLA BICORNIS.** 15 in. Lilac flowers which in the morning, evening and after a shower emit a delicious perfume. Seeds germinate in 10 days. Pkt., 15c.

Mesembryanthemum (Ice Plant)

- 2869 CRINIFLORUM (Livingstone Daisy).** Plants of slightly spreading daisy-like flowers, 2 inches, pure white edged with rose, crimson, pink and buff; and self colors. Will grow in crevices of paving or old walls and thrives in poor and sandy soil. Seed germinates in 8 days. Pkt., 25c.

Kochia-Burning Bush

Culture: A or B, D or E, Page 57

- 2965 CHILDSII.** 2½ ft. Pyramidal bushes of a pleasing light green. The plant may be grown singly or in the form of a hedge or background. Seeds germinate in 15 days. ½ oz., 30c; pkt., 15c.

Caution: Seeds of the **Castor Bean (Ricinus)** and **Angel's Trumpet (Datura)** are poisonous and every care should be taken to keep them away from children who are attracted to them by their bright appearance.

Mignonette (Reseda)

Culture: A or B, Page 57

Old-fashioned flower highly prized for fragrance, either in the garden or in mixed bouquets. The plants resent moving. Sow where they are to bloom, thin to a foot or more apart. Seeds germinate in 8 days.

- 3245 MACHET SELECT.** 15 in. It is the best Mignonette for all purposes. It is an ever-bloomer, the flowers lasting until late in the fall. ½ oz., 35c; pkt., 15c.

Sensitive Plant

Culture: D or E, A or B, Page 57

- 3270 MIMOSA.** 1 ft. A pretty and curious foliage plant with leaves like those of the Acacia. They are very sensitive and close up immediately if touched or shaken. Flowers like pink fluffy balls. Seeds germinate in 10 days. Pkt., 15c



4825 **OXYPETALUM.** Southern Star, Pkt., 25c.

Sky Blue Star Flower

- 4825 THE SOUTHERN STAR (OXYPETALUM COERULEUM.)** Star-shaped flowers measuring 1 in. arc borne in long loose sprays. The blue blossoms, veined or penciled with silver, face upward. Sow in early April, it flowers from June until cut down by frost. Pkt., 25c.

Irish Shamrock

- 4761** This is the true Irish strain. Started in a sunny window in January or February it will produce sturdy plants by St. Patrick's Day. A species of cludy. Pkt., 15c.

Annual Sunflowers

Seeds germinate in 15 days

Culture: A or B, D or E, Page 57

- 2700 GAILLARDIA-FLOWERED OR RED SUNFLOWER.** 4 to 8 ft. Some flowers of a rich chestnut-red, others tipped with yellow. Pkt., 15c
- 2713 SUN GOLD.** 4 ft. Fully double flowers burst into bloom on the same day. 70 days after sowing. Pkt., 15c
- 2725 RUSSIAN MAMMOTH.** 8 ft. Single, of gigantic dimensions. The Kansas Sunflower. ¼ lb., 35c; 1 oz., 15c

2760 VAUGHAN'S SPECIAL MIXTURE. Includes all the single and double Sunflowers above and others. ½ oz., 25c; pkt., 15c

- 5844 ANNUALS FOR WINDOW OR PORCH BOX IN MIXTURE.** A charming selection of quick growing annuals including both compact and trailing types with brilliant colors and long flowering season. Pkt., 25c.

Daisy Corner

- 2050 VAUGHAN'S MIXTURE OF ANNUAL DAISIES.** These simple flowers have a charm of their own. We have a mixture of the most popular sorts. They will add a definite touch to your garden besides good cutting material for the home. Pkt., 25c.



4949 **STOCKS.** Bismorck Mixed. Pkt., 15c.

Colorful Stocks

Culture: A, B, D or E, Page 57

STURDY flower spikes covered with rosette blossoms in soft colors of an exceptional tone range. Stocks require a rich soil of a sandy, well manured loam. Only 60 per cent will come double. Sow seed early in the house and transplant outside when all danger of frost is over. A cool temperature crop.

BISMARCK OR GIANT IMPERIAL

If sufficient room is given, the plants form magnificent bushes with long and thick flower stalks. 2½ ft.

- 4949 BISMARCK MIXED.** Pkt., 15c.



4806 **STATICE.** Sinuata New Hybrids. Pkt., 15c.

Statice

(For Winter Bouquets)

Culture: D or E, Page 57

Our annual Statice is not only a beautiful flower in the border, but dries retaining its true colors, and is indispensable in making winter bouquets. Seeds germinate in 30 days.

- 4806 SINUATA NEW HYBRIDS.** 30 in. Art Shades, in a mixture for the garden and winter bouquets. Pkt., 15c.

Tithonia

- 5644 TORCH.** All America Silver Medal 1951. A dwarf form of this Mexican plant with brilliant orange-scarlet flowers. Of compact upright bushy form, and strong straight stems for cutting. Pkt., 15c.

Vinca Rosea

(Periwinkle)

Culture: D or E, Page 57

Sow seed after last frost in open ground and thin to 1 foot apart or sow inside and transplant after frost is over. Although most satisfactory in shade, it does equally well in hot sun. 1 ft. Seeds germinate in 10 days.

- 5775 MIXED.** Pkt., 15c; **5770 WHITE.** Pkt., 15c.

Vaughan's Perennial Flower Seeds

PERENNIAL SEEDS. Sown in early Spring will result in larger plants which, if set in permanent location in Fall, give normal bloom the following Summer. Perennials from seed assure your having an abundance of plants at a small outlay.

PERENNIAL PLANTS. We can only supply those priced in our catalog. Plants should be set out in May, when danger of frost is over. **ORDER EARLY** to insure delivery at proper time.



7073 ANCHUSA, *Mycosotidiflora*.

Achillea (Yarrow)

Culture: D or E, Page 57

Achilleas grow readily from seed in sunny, well-drained positions. They are fine border flowers. Seeds germinate in 12 days.

7008 EUPATORIUM FILIPENDULA, PARKER'S VARIETY. 3 to 5 ft. June-Sept. Clear yellow flower-heads, may be dried for winter bouquets.

SEEDS: Pkt., 15c. **PLANTS:** 3 for \$1.80; 10 for \$5.75.

7010 THE PEARL. 2 ft. June to August. Pure white, double flowers, fine for cutting.

SEEDS: Pkt., 15c. **PLANTS:** 3 for \$1.80; 10 for \$5.75.

Aconitum (Monkshood)

Culture: C, Page 57

Aconitums need rich, acid soil and prefer shade. Seed may be sown in the fall, as it germinates in 20-30 days. They should not be moved when once established, and require a mulch in winter. The roots are poisonous.

7020 NAPELLUS. 2½ ft. July-August. Fine rich blue flowers. Pkt., 25c.

Alyssum (Madwort)

Culture: B, D or E, Page 57

Seeds germinate in 5-10 days.

7055 SAXATILE COMPACTUM (BASKET OF GOLD). 9 in. Almost as soon as winter is over it becomes a mass of yellow gold.

SEEDS: Pkt., 15c. **PLANTS:** 3 for \$1.80; 10 for \$5.75.

7056 —COMPACTUM SULPHUREUM CITRINUM. Lovely pale lemon flowers. Very effective with lavender or pink Tulips. Pkt., 15c.

7057 ROCK GARDEN VARIETIES MIXED. Many rare species in mixture. Pkt., 15c.

Anchusa

(African Forget-Me-Not)

Culture: B, D or E, Page 57

Anchusas provide some of the few really blue flowers. They do best in a deep, well drained soil, in a sunny position. All are excellent bee plants. Seeds germinate in 20 days.

7070 ITALICA, DROPMORE VARIETY. 5 ft. June-July. Gently-blue flowers.

SEEDS: Pkt., 15c. **PLANTS:** 3 for \$1.80; 10 for \$5.75.

7071 —FELTHAM PRIDE. Extra large flowers of very bright blue. Compact habit. 3 ft. Pkt., 25c.

7073 MYOSOTIDIFLORA. 1 ft. April-May. Blossoms with the late Tulips, forming a mound of attractive foliage almost hidden by pale blue Forget-Me-Not blossoms. Germination is slow.

SEEDS: Pkt., 35c. **PLANTS:** 3 for \$2.50; 10 for \$8.00.

Artemesia (Southern Wood)

SILVER KING. 2½'. Silver gray foliage. Fine for cutting and landscaping.

PLANTS ONLY: 3 for \$1.80; 10 for \$5.75.

SILVER MOUND. Dwarf plants of silvery fern-like foliage making handsome compact mound. 4 in.

PLANTS ONLY: 3 for \$2.25; 10 for \$7.50.

WHY YOU WILL FIND VAUGHAN'S PERENNIALS THE BEST

Because we make a specialty of growing them to perfection, and make it our point to give you SERVICE, QUALITY AND VALUE. Our plants make REAL ROOTS, and what is more important to a Perennial than a GOOD ROOT SYSTEM?

All plants offered in this list are strong, field grown, two year old, transplanted, unless otherwise specified. Biennials are one year old. Our plants bloom the first season. Please state whether we may substitute in case we are short.

**NO PLANT ORDERS ACCEPTED
AFTER MAY 15
SEED AVAILABLE AT ALL TIMES**

Add Postage for Plant Orders

All Plants Shipped Direct from
Ovid, Mich.

Plant prices on these pages do not include postage. Add 10% of the value of your plant order for packing and postage. Shipments larger than 12 plants will be made by express collect, unless otherwise instructed.

Check your order carefully before mailing. It is almost impossible to make changes on orders after they have been placed in process of filling.

Plants by Express

We recommend this mode of transit where quantities are 12 plants or over. We pack carefully.

No C. O. D. Shipments

DELIVERY GUARANTEE

We guarantee that all perennial plants are properly matured for use of the home gardener and that they will reach the customer in good condition.

Any complaint as to quality or condition of plants must be made at once upon receipt of shipment, and letter accompanied by packing sheet.

Please remember that a plant is a living organism, it feeds, drinks and breathes and must be cared for accordingly.



7150 AQUILEGIA, Mrs. Scott Elliott's Strain.

Columbine

(Aquilegia)

Culture: B, C, D or E, Page 57

ONE of the best-known and best-loved perennials. Dwarf varieties for the rock garden, tall varieties for the border and for cutting, all are easily grown from seed. They prefer light shade, and thrive in any fairly rich soil. Seeds germinate in 30 days.

7150 MRS. SCOTT ELLIOTT'S STRAIN OF LONG-SPURRED HYBRIDS. The blooms are of large size and the spurs very long. The colors range through shades of lavenders, mauves, blues, purples, whites, creams, yellows, pinks, reds, etc., with soft pastel tones dominating.

SEEDS: Pkt., 25c. **PLANTS:** 3 for \$1.80; 10 for \$5.75.



7143 AQUILEGIA *longissima*

AQUILEGIA—Continued

7160 CELESTIAL BLUE. Outstanding Scotch Strain. Large flower, long spurs. Petals rich blue, corolla and spurs lighter blue. Comes true from seed. Pkt., 25c.

7156 LONG-SPURRED CRIMSON STAR HYBRIDS. The brightest red Columbine, long spurs and outer petals, rich crimson, center petals white; about 10% will be other interesting bicolors. Three-inch flowers on 2-foot stems.

SEEDS: Pkt., 25c. **PLANTS:** 3 for \$2.00; 10 for \$6.25

7158 LONG-SPURRED BLUE. Splendid selection from light to dark blue. Pkt., 35c.

7157 LONG-SPURRED COPPER QUEEN. Lovely deep copper with long spurs of deeper hue. Pkt., 50c.

7159 LONG-SPURRED ORANGE AND SCARLET. 35c.

7131 CLEMATIFLORA MIXED. Spurless with beautiful open flowers like Clematis. Contains all lovely pastel shades. Pkt., 25c.

7141 COERULEA MRS. NICHOLLS. This is a glorified Rocky Mountain with larger flowers. Pkt., 35c.

7145 —ROSE (Rose Queen). 2½ ft. Light to dark rose, white center. Pkt., 25c.

7143 LONGISSIMA. A beautiful American species having 4 inch spurs on flowers of a delicate pale yellow. One of the most attractive. Pkt., 35c.

7152 VAUGHAN'S SUPERLONG-SPURRED MIXTURE. 18 in. Flowers of enormous size in brilliant color range; 3 to 4 inch spurs.

SEEDS: Pkt., 50c. **PLANTS:** 3 for \$1.80; 10 for \$5.75

7162 McKANA HYBRIDS. 3 ft. Bronze Medal All America Selections 1955. A truly outstanding strain of rich colored, large flowering Columbine. Larger flowers, longer spurs and a much richer color range make this an important addition to the perennial group for garden and cutting. Strong bushy plants with striking terminal flowers well supported on long wiry stems above the lacy foliage. Pkt., 50c.



7055 ALYSSUM *Saxatile Compactum*

Vaughan's Perennial Flower Seeds and Plants



7197 **ARABIS** Alpina Rosea.



7225 **ASTER** Perennial Large Flowering Mixed.



7220 **ASCLEPIAS**. Tuberosa.

Anemone (Windflower)

Culture: B, C, D or E, Page 57
Seeds germinate in 15-20 days.

- 7080 **CORONARIA ST. BRIGID'S STRAIN**. 12 in. May-June. Double and single mixed. A beautiful selection in a wonderful array of colors. Pkt., 25c.
7090 **PULSATILLA (PASQUE FLOWER)**. 1 ft. Deep blue, bell-shaped flowers in April are followed by tasseled seed-pods, decorative in themselves. SEEDS: Pkt., 25c.
PLANTS: 3 for \$2.00; 10 for \$6.25.

Anthemis (Marguerite)

Culture: B, D or E, Page 57
Seeds germinate in 8 days.

- 7114 **TINCTORIA, PERRY'S VARIETY**. 2 ft. Large lemon-yellow Daisies, bloom all summer. SEEDS: Pkt., 25c.
PLANTS: 3 for \$1.60; 10 for \$4.85.

Arabis (Rock Cress)

Culture: D or E, Page 57

- Spreading dwarf, spring-flowering plants. Seeds germinate in 8 days.
7195 **ALPINA**. 1 ft. April. Pure white. SEEDS: Pkt., 15c. PLANTS: 3 for \$1.70; 10 for \$5.25.
7197 —**ROSEA**. 1 ft. May. Compact rosettes of foliage and pink flowers. SEEDS: Pkt., 35c. PLANTS: 3 for \$1.70; 10 for \$5.25.
7198 **DWARF SNOW CAP**. Shining snow white compact cushions. Pkt., 25c.
7199 **SPRING CHARM**. Compact bushy plants covered with blossoms of intense carmine. Coming into flower early, it provides a bright splash of color in the rock garden. 8 in. Pkt., 35c.

Armeria (Thrift, Sea Pink)

Culture: B, D or E, Page 57

- Dwarf plants with grassy leaves and tufted growth. The flowers are borne in globular heads. Seeds germinate in 12-15 days.
7206 **GLORY OF HOLLAND GIANT PINK**. Clear, deep pink flowers the size of a silver dollar on straight stems 24 inches high in profusion all summer. Fine for cutting. Pkt., 25c.

Asclepias (Butterfly Weed)

Culture: B, D or E, Page 57

- 7220 **TUBEROSA**. 2 ft. One of the showiest of our native perennials, producing from July until frost brilliant orange flowers. Seed pods if gathered just as they begin to open make attractive winter bouquets. Seeds germinate in 30 days. SEEDS: Pkt., 25c.
PLANTS: 3 for \$1.80; 10 for \$5.75.

Aubrietia

Culture: B, D or E, Page 57

- One of the daintiest and beautiful of dwarf creeping plants for carpeting beds or rockeries, forming brilliant sheets of blue, crimson or rose for many weeks. Seeds germinate in 20 days. 6 in.
7230 **LARGE FLOWERED HYBRIDS, MIXED**. A wonderful fine strain, good range of colors. Pkt., 25c.

Hardy Asters

Culture: B, D or E, Page 57

- DWARF ALPINES**
7226 **ALPINUS GOLIATH**. Indispensable for the rocky or edge of hardy borders; 6 to 10 inches high, and bears large, showy, bluish purple flowers in May and June. Plant in full sun. Pkt., 25c.
7225 **PERENNIAL, LARGE-FLOWERING MIXED**. 3-5 ft. Sept.-Oct. Various shades of blue. Pkt., 25c.

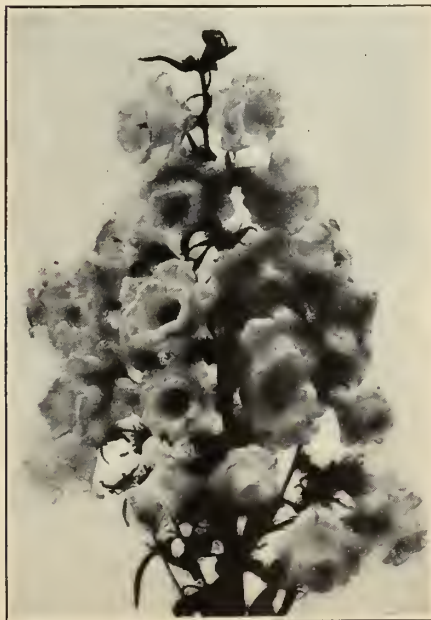
Hardy Aster Plants

- BEECHWOOD CHALLENGER**. 3-4'. Sept.-Oct. Brilliant crimson red. PLANTS ONLY: 3 for \$2.00; 10 for \$6.25.
ADORABLE. Deep clear pink, very large flower, strong grower. PLANTS ONLY: 3 for \$2.00; 10 for \$6.25.
WHITE LADY. The finest pure white. PLANTS ONLY: 3 for \$1.80; 10 for \$5.75.
BLUE BIRD. 3½ ft. lovely soft blue flowers are semi-double and 2 inches in diameter, produced in immense quantities. It commences to bloom in early September and lasts well into October. Exceptionally fine for cutting. PLANTS ONLY: 3 for \$2.00; 10 for \$6.25.

Baptisia

Culture: B, C, D or E, Page 57

- 7235 **AUSTRALIS (FALSE INDIGO)**. Forms a spreading bush 3 to 4 ft. high with Lupin-like blue flowers in June and July. Seeds germinate in 20 days. Pkt., 15c.



7270 **CAMPANULA**, Medium Calycanthema Mixed.

Boltonia (False Chamomile)

Culture: B, D or E, Page 57

- They are among the relatively few fall flowering perennials, bearing small star-flowers in large clusters. Seeds germinate in 12 days.
7250 **LATISQUAMA**. 4-5 ft. July-Oct. Delicate pink. Pkt., 25c.

Campanulas

Culture: B, D or E, Page 57

- This brilliant family includes biennials, as well as a number of true perennials, varying in height from dainty rock garden subjects 8 inches tall to the stately Persicifolia types which reach 3 feet. Seeds germinate in 8-10 days.

Canterbury Bells

- The Canterbury Bells are biennials, that is, from seed sown one year, the plants will bloom the following year, and the plant then dies. To keep up a yearly display they should be sown annually. 36 in.

DOUBLE		SINGLE	
7320	BLUE.	7300	BLUE.
7325	PINK.	7301	LILAC.
7315	WHITE.	7305	PINK.
7330	MIXED.	7295	WHITE.
		7310	MIXED.

- SEEDS: Each of above, Pkt., 15c.
PLANTS: MIXED ONLY. 3 for \$1.60; 10 for \$4.85.

CUP AND SAUCER

- 7270 **CALYCANTHEMA MIXED**. 2 ft. June-Aug.
7285 —**BLUE**. 7280 —**PINK**.
7284 —**LILAC**. 7275 —**WHITE**.
Each of the above, pkt., 15c.

Perennial Campanulas

- Seed sown one year, plants will bloom the next and for several years following, increasing each year.
7260 **CARPATICA (HAREBELL) BLUE**. 9 in. June to Aug. Forms cup-shaped, upright blooms of a light violet-blue. Likes partial shade. SEEDS: Pkt., 15c.
PLANTS: 3 for \$1.80; 10 for \$5.75.
7344 **PERSICIFOLIA (PEACH BELLS) BLUE**. 2-3 ft. June-July. Fine border plant. Pkt., 25c.
7345 —**ALBA**. White. Pkt., 25c.
7347 —**WEDGEWOOD**. Large flowers of deep violet blue. Does well in full sun or partial shade. Pkt., 35c.
7350 —**MIXED**. Blue and white. Pkt., 25c.
7370 **VAUGHAN'S SPECIAL MIXTURE OF CAMPANULAS**. A grand assortment of all varieties, Pkt., 25c.

**NO PLANT ORDERS ACCEPTED
AFTER MAY 15
SEED AVAILABLE AT ALL TIMES**

Vaughan's Perennial Flower Seeds and Plants



8080 CANDYTUFT *Sempervirens*.

Candytuft (*Iberis*)

Culture: A, B, D or E, Page 57

Dwarf evergreen plants, 6 to 10 in. Covered with blooms in spring and early summer. Seeds germinate in 8 days.

8075 GIBRALTARICA. Pinkish white.

SEEDS: Pkt., 15c.

PLANTS: 3 for \$1.60; 10 for \$4.85.

8080 SEMPERVIRENS. Sheet of white. Pkt., 25c.

Shasta Daisy Plants

ALASKA. 2'. All summer. Large white.

PLANTS ONLY: 3 for \$1.60; 10 for \$4.85.

MAJESTIC. Immense 6 inch flowers borne on tall, stiff 3 ft. stems. Pure white with yellow center.

PLANTS ONLY: 3 for \$2.50; 10 for \$8.00.

MOUNT SHASTA. 2'. All summer. Pure white. High crested. Fully double.

PLANTS ONLY: 3 for \$2.50; 10 for \$8.00.

MAY QUEEN. 2'. All summer. Fine large flower. Very early.

PLANTS ONLY: 3 for \$1.80; 10 for \$5.75.



7464 SHASTA DAISY Marconi Reselected.

Shasta Daisies

FROM SEEDS

Culture: B, D or E, Page 57

The name Shasta is now applied not to a single variety but to a class of hardy Daisies, bearing giant flowers, all splendid border subjects and easily grown from seeds, which germinate in 8 days.

7500 ALASKA. 2-2½ feet. Splendid for cutting. Pkt., 15c.

7464 SHASTA DAISY G. MARCONI RESELECTED (Double). The largest Shasta Daisy today, the flowers are around 7 inches in diameter and stems 2½ to 3 ft. long. Pkt., 50c.

7504 GIANT DOUBLE SHASTA DAISY. While first year flowers of this perennial have many singles, in the second year they are almost 100% double, with flowers up to 6 inches, and a long season. Pkt., 35c.

7435 CERASTIUM TOMENTOSUM (SNOW IN SUMMER). 4 in. June-July. A low, creeping plant bearing a profusion of white flowers. Pkt., 15c.



7401 CARNATION, Grenadin Mixed.

Garden Carnations

Culture: B, D or E, Page 57

GRENAIDIN-20 in.

A valuable bedding variety with double flowers, blooming first year from seed if sown early. Soon after they are through blooming the tops should be cut. The Grenadin type will branch and will carry on through another year. If this operation is not done, in most cases the Grenadin type is only a biennial. Seeds germinate in 10-15 days.

7398 GOLDEN SUN. Early flowering, very double, large clear yellow flowers.

SEEDS: Pkt., 35c. PLANTS: 3 for \$1.60; 10 for \$4.85.

7390 KING OF THE BLACKS. Darkest red, very fine.

7395 RED. (Scarlet).

7385 TRIUMPH ROSE.

7400 WHITE.

7401 MIXED.

EACH OF ABOVE:

SEEDS: Pkt., 25c. PLANTS: 3 for \$1.60; 10 for \$4.85.

GRENAIDIN DWARF. 15 in.

7396 DWARF BRIGHT SCARLET. 14 in. Double flowers of rich intense scarlet exceedingly showy. Blooms from seed first year if sown early. Pkt., 25c.

7415 CHOICE MIXTURE. Early Vienna type, nice range of color. Pkt., 25c.

Centaurea

(Hardheads, Knapweed)

Culture: B, D or E, Page 57

7428 HARDY PERENNIAL MIXED. A mixture of thirty hardy Centaureas. A real treat is in store for those who plant this mixture. A means of securing plants of unknown and unlisted sorts and colors. Seeds germinate in 8 days. Pkt., 15c.

Coreopsis

Culture: B, D or E, Page 57

A useful and attractive perennial, both for border and cut flowers. They are of easy culture, and flower in profusion all summer. Germinate in 8 days.

7493 DOUBLE SUNBURST. The flowers are double, 1½ to 2 inches across, excellent for cutting, as the flowers are fine keepers and the plants easy to grow. Comes about 80% double. Pkt., 25c.

7495 LANCEOLATA GRANDIFLORA. 2 ft. June-Oct. Large orange-yellow flowers on long graceful stems. Will flower the first year if sown early.

SEEDS: Pkt., 15c. PLANTS: 3 for \$1.60; 10 for \$4.85.

7494 MAYFIELD GIANTS. It produces a taller and more vigorous plant with longer and firmer stems and larger individual blooms. Pkt., 25c.

Dictamnus (Gas Plant)

Culture: B or C, Page 57

This bushy perennial with its attractive flower spikes blooms with the tall headed Iris. While its seeds germinate slowly, and do best when sown in the fall, once the plant is established it should not be moved. Seeds germinate in 50-60 days.

7720 FRAXINELLA. 3 ft. May-June. Large spikes of deep pink purple-veined flowers. Pkt., 15c.

Delphinium

Delphinium is among the most beautiful and widely used perennials for garden display and cutting. Massive spikes; rich distinct colors.

7550 BELLADONNA IMPROVED CLIVEDEN BEAUTY. 2 ft. June-July. Exquisite turquoise blue. SEEDS: Pkt., 25c.

PLANTS: 3 for \$1.60; 10 for \$4.85.

7552 BELLAMOSUM IMPROVED. Large deep blue flowers, uniform in color with a white bee. Blooms 2½ inches across.

SEEDS: Pkt., 25c.

PLANTS: 3 for \$1.60; 10 for \$4.85.

7564 BLACKMORE AND LANGDON STRAIN. A famous English strain. All the clear shades of blue, with bees of contrasting color. Pkt., 35c.

7547 CARDINALE. "Scarlet Larkspur," a native California species with long spikes of scarlet flowers; seed germinates slowly. 2-3 ft. Pkt., 25c.

7538 SAPHIRE. 3 ft. An improved variety of the species delphinium formosum noted for hardiness, long life and its deep blue color. Somewhat paler than the original, with a tiny golden pollen accent, its blue has a special luminous jewel-like quality, in the sunlight. Pkt., 50c.

7569 WREXHAM HOLLYHOCK-FLOWERED STRAIN, MIXED. Giant-flowered strain of superior quality. Flowers in blue, white and pink combinations, many of them bicolor 1½ to 2 inches in diameter, many double. Pkt., 50c.

7571 VAUGHAN'S SPECIAL MIXTURE. A "formula-blend" which includes the popular Pacific Giants as well as others listed. Pkt., 35c.

Pacific Giants

Immense single and double flowers on giant spikes, in bloom all summer.

7559B BLUEBIRD. A clear medium blue with white bee.

7563 BLACK KNIGHT. Varying dark violet shade.

7559A BLUE JAY. From medium to dark blue with dark bee.

PLANTS: 3 for \$2.50; 10 for \$8.00.

7563A CAMELIARD SERIES. Pure lavender white bee.

7560 GALAHAD. Clear white, mildew resistant.

PLANTS: 3 for \$2.50; 10 for \$8.00.

7561 KING ARTHUR. Royal violet, large white bee.

7565 PERCIVAL. Large glistening white flowers with contrasting black bees.

7561A GUINEVERE. Light pink lavender, white bee.

PLANTS: 3 for \$2.50; 10 for \$8.00.

7562 SUMMER SKIES. Light blue with white bee.

PLANTS: 3 for \$2.50; 10 for \$8.00.

7559 ROUND TABLE SERIES. A blend which includes all the above color combinations.

PLANTS 3 for \$2.50; 10 for \$8.00.

EACH OF ABOVE:

SEED. Pkt., 50c; 2 pkts., for 90c.

PLANTS AVAILABLE ONLY WHERE PRICED.

Chinese Larkspur

Chinese Delphinium blooms from seed the first year if sown early and may be treated as an annual though it is a hardy perennial and plants will last many years. Fine for heds and border masses. Rarely needs staking and is covered with flowers all summer and fall.

7520 CHINESE BLUE. 2-3 ft. Centian Blue. Pkt., 15c.

7523 CHINESE BLUE MIRROR. One of the few true navy blue flowers. Pkt., 35c.

7525 —ALBUM. 2-3 ft. Pure white. Pkt., 15c.

7522 —CAMBRIDGE BLUE. 2 to 3 ft. A good light blue. Pkt., 25c.

7530 —MIXED. Pkt., 15c.

Euphorbia

Culture: B, D or E, Page 57

7807 COROLLATA (WILD BABY'S BREATH). 2 to 3 ft. Blooms in midsummer, and suggests Gypsophila, flowers are a cloud of small white stars, delicate and airy. Valuable for bouquets. Will bear drought or neglect. Leaves turn a rich wine color in fall. Seeds germinate in 20-30 days. Pkt., 25c.

NO PLANT ORDERS ACCEPTED
AFTER MAY 15
SEED AVAILABLE AT ALL TIMES

Vaughan's Perennial Flower Seeds and Plants

NO PLANT ORDERS ACCEPTED
AFTER MAY 15
SEED AVAILABLE AT ALL TIMES

HARDY PINKS (Dianthus)—(Cont.)

- 7575 ALLWOODI MIXED.** 1 ft. The flowers are about 75 per cent double and of all colors except blue and yellow. The single flowers grow in clusters. It is exceptionally hardy and flowers from early spring until fall. Pkt., 25c.
- 7580A DELIGHT.** Beautiful single flowers, 1 in. or more across, in a bewildering range of colors from lightest pink through salmon, red to deepest purple, many eyed like a Sweet William, while others have a definite contrasting light or dark center. Pkt., 25c.
- 7631 LOVELINESS.** An improvement on the original strain; colors range from white, mauve and blue to deep crimson. This marvelous range of color combined with the misty effect of the petals produces a mass of color in the border. Delightfully fragrant. Plants range from 9 to 15 inches in height but do not require staking. Pkt., 25c.
- 7587 BEST ROCK GARDEN VARIETIES MIXED.** Rock gardens need the low growing Dianthus to brighten spots and fill in crevices. Pkt., 25c.

WINTERI. Flowers of pure colors, habit compact. Fragrant.

PLANTS ONLY: 3 for \$2.00; 10 for \$6.25.

PLUMARIUS (Clove or Grass Pinks)

The old-fashioned, fragrant garden Pink. Fine for perennial border or rockwork.

- 7585 HIGHLAND HYBRIDS.** Tall, strong stemmed pinks in varied colors, beautifully marked and zoned. Pkt., 35c.
- 7590 CYCLOPS RED HYBRIDS (Clove Pink).** 1 ft. An exquisite mixture of rose and red varieties; fragrant. Pkt., 15c.
- 7609 SPRING BEAUTY.** Double giant-flowered Grass Pinks, Carnation-like in form and size and with a beautiful range of color. Very fragrant.

SEEDS: Pkt., 25c.

7625 VAUGHAN'S SPECIAL MIXTURE. A grand selection of Clove Pinks of the above Plumarius type and others.

SEEDS: Pkt., 25c. **PLANTS:** 3 for \$1.60, 10 for \$4.85.



7768 DIGITALIS, Shirley Hybrids.

Digitalis (Foxglove)

Culture: B, D or E, Page 57

These are biennials and should be sown very early in the spring so plants will be large enough to flower the following year. They should be wintered in a cold frame where sub-zero temperatures are common and always in a well drained place, as their crowns remain green all winter. Seeds germinate in 10-15 days.

7768 THE SHIRLEY HYBRIDS. 6 to 7 ft. The flower-heads are over 3 ft. long, covered with big bell-shaped blossoms from white and shell-pink to deepest rose.

SEEDS: Pkt., 25c.

PLANTS: 3 for \$1.60; 10 for \$4.85.

7753 EXCELSIOR MIXED. A blend of unusual shades, many of the florets are strikingly marked. The flower spikes are from 4 to 5 ft. in height and the individual florets are horizontally set around the stem, instead of the usual drooping effect so common to Digitalis. Very free flowering. Pkt., 35c.

7749 PRINCESS PASTEL MIXTURE. 4 ft. Here is really a new flower for your garden—a Foxglove in distinctly new pastel tints of pink, apricot, buff, rose and heliotrope. Pkt., 15c.

7775 VAUGHAN'S SPECIAL MIXTURE OF DIGITALIS. The above, and others we buy especially for our formula mixture.

SEEDS: Pkt., 15c.

PLANTS: 3 for \$1.60; 10 for \$4.85.

Doronicum (Leopard's Bane)

Culture: B, D or E, Page 57

7780 CAUCASICUM MAGNIFICUM. Showy yellow flowers with bright green, heart-shaped leaves which disappear during July and August. Lovely with pale lavender Tulips. Seed germinates in 20-30 days.

SEEDS: Pkt., 35c. **PLANTS:** 3 for \$2.50; 10 for \$8.00.

Funkia

(Plantain Lily)

GLAUCIA. 3'. Aug. Large blue-gray leaves. Blue flowers.

PLANTS ONLY: 3 for \$2.50; 10 for \$8.00.

SUBCORDATA GR. FL. Large pure white flowers. Very fragrant.

PLANTS ONLY: 3 for \$3.50; 10 for \$10.50.

UNDULATA MEDIO VARIEGATA. Variegated foliage. Blue flowers.

PLANTS ONLY: 3 for \$2.50; 10 for \$8.00.

Vaughan's Seed Company 49



7688 DIANTHUS BARBATUS, Single Dwarf, "Midget" Mixed, (Indian Carpet)

Dianthus Barbatus

Culture: B, D or E, Page 57

In early June, when summer flowers are not yet in bloom and there is little in the garden available for cut flowers, the Sweet William is most welcome. Seeds germinate in 8 days.

Single Sweet William 18-24 in.

7650 GIANT WHITE "SPECIAL." 1½-2 ft. Pure white flower clusters, on strong wiry stems. In growth it resembles the Perennial Phlox and is a splendid cut flower. The individual florets average from ½ to ¾ of an inch in diameter. The flower clusters range from 4 to 7 inches. Sown from May to July will bloom next June. Pkt., 25c.

7659 HOMELAND. Dark red with large sharply defined, clear white center.

SEEDS: Pkt., 35c. **PLANTS:** 3 for \$1.80; 10 for \$5.75.

7660 NEWPORT PINK. Salmon pink.

SEEDS: Pkt., 15c. **PLANTS:** 3 for \$1.60; 10 for \$4.85.

SCARLET BEAUTY. Vivid orange or salmon scarlet.

PLANTS ONLY: 3 for \$1.60; 10 for \$4.85.

7685 SINGLE GIANT-FLOWERED MIXED. Pkt., 15c.

7688 SINGLE DWARF "MIDGET" MIXED. (Indian Carpet) 3-4 in. Alpine Sweet William of compact habit. Blooms are quite large and almost entirely cover foliage. The color range is from white, chamois, salmon, scarlet, brick red to maroon, with most blooms being tri-colored. Excellent for the perennial border.

SEEDS: Pkt., 25c. **PLANTS:** 3 for \$1.60; 10 for \$4.85.

DOUBLE VARIETIES

Seedlings of all double Sweet William produce about 40% of single blooming plants.

7710 GIANT DOUBLE MIXED. The plants are of robust bushy habit, producing numerous stems surmounted by immense umbels of full double flowers many over one inch in diameter. The colors are extremely varied. Pkt., 25c.

7711 MIDGET DOUBLE DWARF MIXED. An attractive double form of the above, 3 to 4 in. tall in a bewildering color range. Pkt., 15c.

7712 DOUBLE DWARF DARK CRIMSON. A selection from the popular Midget Mixed. Pkt., 25c.

7715 VAUGHAN'S SPECIAL MIXTURE OF SWEET WILLIAM. Includes all double and single varieties listed, as well as others bought especially to insure a well-balanced range of color and variety.

SEEDS: Pkt., 25c. **PLANTS:** 3 for \$1.60; 10 for \$4.85.

Hardy Pinks

(Dianthus)

Culture: B, D or E, Page 57

Favorites for generations, these gay flowers are of great value in the border and rock garden. Most of them grow easily from seed, thrive in ordinary soil which must contain some lime, and should be in a well-drained situation. Seeds germinate in 8-10 days.

7576 ALLWOODI ALPINUS. 6 in. Flower first year from seed. It has single and semi-double flowers in all Dianthus colors. A gem for rock gardens.

SEEDS: Pkt., 50c. **PLANTS:** 3 for \$1.80; 10 for \$5.75.



7719 DICENTRA Spectabilis.

Dicentra (Dielytra)

(Bleeding Heart or Seal Flower)

Culture: B or C, Page 57

7718 EXIMA (Plumy Bleeding Heart). Dwarf reddish-purple. Blooms all summer in all localities. Attractive lacy foliage, 15 in. tall. Seed germinates slowly.

SEEDS: Pkt., 25c.

SPECIAL PLANT OFFER: 6 for \$3.25; 12 for \$6.00.

7719 SPECTABILIS. Pink, 18 to 24 in. The true old-fashioned variety.

SEEDS: Pkt., 25c. **PLANTS:** 3 for \$2.95; 10 for \$9.00.

Vaughan's Perennial Flower Seeds and Plants



7780 **DORONICUM**, *Caucasicum Magnificum*.

Forget-Me-Nots (*Myosotis*)

Culture: A, B or C, Page 57

Will bloom the first year from seed so treat as annuals. If wintered over, Alpestris varieties will bloom in early spring; they delight in well-drained soil in a sunny location. Other varieties listed will bloom from May until frost and prefer cool, moist loam and half-shade. For beds, borders, rock gardens, pots and cutting. Seeds germinate in 15 days.

3324 ALPESTRIS INDIGO BLUE. Exquisite sprays of royal-blue flowers produced in great abundance. 12 in. Pkt., 15c.

3356 VAUGHAN'S EARLY AND LATE FLOWERING BLUE BIRD. 1 ft. A beautiful deep blue variety, 2½ in., from June until fall. Blooms same year, sown early. Pkt., 25c.

Gaillardias

Culture: B, D or E, Page 57

Seeds germinate in 20 days.

7809 GRANDIFLORA MONARCH STRAIN. A robust strain varied in coloring and with flowers of giant size and perfect form. Pkt., 25c.

7812 —BURGUNDY. 2 ft. Shining wine-red flowers, 2½ in., from June until fall. Blooms same year, sown early.

SEEDS: Pkt., 25c.

PLANTS: 3 for \$1.60; 10 for \$4.85.

7811 —DAZZLER. Large golden yellow flowers with rich maroon center.

SEEDS: Pkt., 25c.

PLANTS: 3 for \$1.80; 10 for \$5.75.

7817 —GOBLIN. 12-15 in. First real dwarf, covered with showy deep red flowers yellow bordered. Flowers first year from seed.

SEEDS: Pkt., 25c.

7836 —PORTOLA HYBRIDS. 2½-3 ft. The flowers are nearly 4 inches; brilliant scarlet intensified by golden yellow tip.

SEEDS: Pkt., 25c.

PLANTS: 3 for \$1.60; 10 for \$4.85.

Geum

Culture: B or C, D or E, Page 57

Seeds germinate in 10 days.

7852 LADY STRATHEDEN (GOLDEN BALL). 2 ft. Flowers loosely double, golden yellow.

SEEDS: Pkt., 35c. PLANTS: 3 for \$2.00; 10 for \$6.25.

7855 MRS. BRADSHAW. 2 ft. Double orange-scarlet flowers. June-Sept.

SEEDS: Pkt., 25c. PLANTS: 3 for \$2.00; 10 for \$6.25.



7855 **GEUM**, Mrs. Bradshaw.

Gerbera (Transvaal Daisy)

Culture: D or E, Page 57

Seeds germinate in 12 days.

7846 JAMESONI HYBRIDS (FLOWERLAND SPAIN). 2 ft. Large Daisy-like blooms on long stems in yellow and red. Pkt., (25 seeds) 25c.

Gypsophila (Baby's Breath)

Culture: A, B, D or E, Page 57

Seeds germinate in 12 days.

7866 OLDHAMIANA. 3 ft. The buds are first almost white, but open a lively shade of pink that darkens as the flowers mature.

SEEDS: Pkt., 25c.

PLANTS: 3 for \$1.80; 10 for \$5.75.

7867 PACIFICA. 4 ft. Withstands both severe winter and extreme heat. The seedlings form dense bushes with myriads of tiny pink blossoms.

SEEDS: Pkt., 25c.

PLANTS: 3 for \$1.80; 10 for \$5.75.

7860 PANICULATA DOUBLE SNOW WHITE. 2-3 ft. July-Aug. A great improvement on the single-flowered type and more lasting.

SEEDS: Pkt., 25c.

PLANTS: 3 for \$1.80; 10 for \$5.75.

7865 —(BABY'S BREATH). 2-3 ft. July-Aug. Small single flowers on branched stems, so thick as to give the plant a white lace-like effect. Pkt., 15c.

7863 REPENS ROSEA. 6 in. Attractive pink. Pkt., 15c.

7862 REPENS DWARF WHITE. Pkt., 15c.

BRISTOL FAIRY. 2'. All summer. True double white. Most popular of all Gypsophila.

PLANTS ONLY: 3 for \$3.50; 10 for \$10.50.



3356 **MYOSOTIS** Early and Late Flowering Blue Bird.



7812 **GAILLARDIA**, Burgundy.

Helianthemum

Culture: C, Page 57

7906 MUTABLE (ROCK ROSE). 8-12 in. Low-growing evergreen plants forming large clumps completely covered with bloom during July and August. Pale rose changing to lilac, then to white. Excellent for rockeries. Mixed colors. Seeds germinate in 12 days.

SEEDS: Pkt., 15c. PLANTS: 3 for \$1.80; 10 for \$5.75.

Helenium (Sneezewort)

Culture: B, D or E, Page 57

7890 RIVERTON GEM. 2 to 4 ft. Covered from August to October with brilliant old gold, changing later to wallflower-red. Seeds germinate in 8 days.

SEEDS: Pkt., 25c.

Helleborus

7917 NIGER (CHRISTMAS ROSE). 10 in. A rare interesting perennial which blooms in winter or early spring. Flowers of white. Although a difficult subject, it is well worth the effort. Pkt., 35c.

Heemerocallis

Culture: A, B, C or D, Page 57

7922 PEERLESS BLEND. A mixture of high merit. Seeds saved from 10 botanical species, also from fine hybrid seedlings. This blend will give a wide color range of excellent Day Lilies. Seeds germinate in 30-40 days. Pkt., 25c.

Hesperis Matronalis

(Sweet Rocket—Evening Scented Stock)

Culture: B, D or E, Page 57

The fragrant flower-heads of these thrifty flowers somewhat resembling perennial Phlox, make a fine display in the border, or in bits of woodland, for they endure light shade. 2 to 3 feet. June and July.

7930 PURPUREA. Lilac. Pkt., 15c.

7935 —ALBA. White. Pkt., 15c.

Heuchera (Coralbells)

Culture: B, D or E, Page 57

From a tuft of heart shaped leaves, graceful flower stalks rise, bearing flowers in clusters. Seeds germinate in 20-30 days.

7940 SANGUINEA. 2 ft. July-Aug. Long stems of large crimson-scarlet flowers.

SEEDS: Pkt., 25c. PLANTS: 3 for \$2.00; 10 for \$6.25.

7943 —NEW HYBRIDS MIXED. All shades of red and coral pink. Large and free flowering. Pkt. 25c.

1½-2'. All summer.

BREZOIDES. Profuse bloomer. Pink.

PLANTS ONLY: 3 for \$2.00; 10 for \$6.25.

PLUIE DE FEU. Lovely coral red.

PLANTS ONLY: 3 for \$2.00; 10 for \$6.25.

Vaughan's Perennial Flower Seeds and Plants



7943 HEUCHERA, Sanguinea New Hybrids.



8163 LILIUM Tenuifolium



8171 LUPINUS Polyphyllus Russell Mixture.

Hibiscus (Rose Mallow)

Culture: B, D or E, Page 57

In the late summer, when perennials are few, well established plants of Mallow bear their beautiful single flowers, 3 to 5 inches, several weeks. Seeds germinate in 15 days. Aug.-Sept.

7947 AVALON HYBRIDS. 3 ft. A new hybrid strain. Flowers mostly of bell shape, and vary from bluish through pink, rose and vivid reds. Bloom until October.

SEEDS: Pkt., 25c. PLANTS: 3 for \$1.70; 10, for \$5.25.

7960 MALLOW MARVELS MIXED. 3-5 ft.

Pkt., 15c.

MALLOW MARVELS RED. PLANTS ONLY: 3 for \$1.70; 10 for \$5.25.

Hollyhocks

Culture: B, D or E, Page 57

Hollyhocks are most decorative and indispensable to the garden picture. Following Delphiniums in the border show they have a long season of bloom which can be prolonged by picking off faded flowers. A second crop will come if the first stalks are cut back. They need a well drained location. Hollyhock rust can be overcome by sowing the seed each year for flowering the next, as rust seldom attacks young plants. Seeds germinate in 8 days

DOUBLE VARIETIES

8005 NEWPORT PINK. The finest pure pink.

SEEDS: Pkt., 15c.

PLANTS: 3 for \$1.60; 10 for \$4.85.

8008 BEGONIA FLOWERED IMPERATOR MIXED.

Flowers with broad collar of frilled and fringed petals and double center rosette, many interesting combinations of colors. Pkt., 25c.

8015 VAUGHAN'S PRIZE DOUBLE MIXTURE. Finest shades in perfect flowers.

SEEDS: ¼ oz., 50c; pkt., 15c.

PLANTS: 3 for \$1.60; 10 for \$4.85.

8016 VAUGHAN'S SPECIAL MIXTURE. Mixture of all the best double varieties with new French strains. Pkt., 25c.

SINGLE VARIETIES

More permanent and hardy than the double.

8055 MIXED. ¼ oz., 30c; pkt., 15c.

Grow Iris from Seed

Culture: A, B or C, Page 57

Seed germinates in 20-30 days.

8086 AVALON BLEND. Made up from such beautiful and desirable Iris species and hybrid groups as Tenax, Forresti, Clarkei, Aurea, Douglasiana, Delavayi and many others. Interesting and unusual. Pkt., 35c.

8090 GIANT BEARDED. (German). From a fine collection of seedlings and should show a remarkable range of variable color richness, all the bright self hues, with pastel harmonies in fawn, lilac, bronze tawny, rose shades, copper and wine shadings. Pkt., 35c.

8089 KAEMPFERI. Seed was saved from an exhibition collection of six-petaled varieties. Large and rather flat blooms rich in coloring. Blooms in June and July one year after sowing. Pkt., 35c.

8091 DICHOTOMA (AUGUST OR VESPER IRIS). Fragrant flowers on tall branching sprays, from July to September. Cream to violet-purple markings of various colors. Pkt., 25c.

Lathyrus Latifolius

(Hardy Sweet Pea)

Culture: B, C, D or E, Page 57

Very decorative climbing vines of the Pea family for growing on fences, trellis, etc., and for cutting. Seeds germinate in 25-30 days.

8115 MIXED. A special blending of the colors available in this fine climber.

SEEDS: Pkt., 15c. PLANTS: 3 for \$1.80; 10 for \$5.75.

Lavender (Lavandula)

Culture: B, D or E, Page 57

8117 MUNSTEAD STRAIN. 1 ft. A most valuable variety. A month earlier than the common Lavender. Seeds germinate in 12 days. Pkt., 25c.

SPECIAL OFFER

Old English

SWEET LAVENDER
(Lavandula Vera)

A Sweet-Scented Perennial Shrub

•
LONG FLOWER SPIKES OF LAVENDER BLUE
2 FEET HIGH
BLOOMING JULY TO OCTOBER
SILVERY GRAY FOLIAGE YEAR-ROUND

•
A beautiful evergreen bush for gardens
and flower borders. Very effective in
combination with evergreens.

•
EASY TO GROW
Plant in Sunny Locations
Well-drained sandy soil is best

Minimum Order— 6 for \$2.95
12 for \$5.50

Liatris (Kansas Gay Feather)

Culture: B, D or E, Page 57

8117A SCARIOSA SEPTEMBER GLORY. (Kansas Gay Feather) A giant 6-ft. spike solidly covered with purple flowers from top to bottom. The flowers, unlike the common variety, come into bloom all at the same time creating a marvelous effect. Seeds germinate in 20-30 days.

SEEDS: Pkt., 25c. PLANTS: 3 for \$2.00; 10 for \$6.25.

Perennial Plants. We can only supply those priced in our catalog. Plants should be set out in May, when danger of frost is over.

Lilies from Seed

Many Lilies are easily grown from seed; and seedling Lilies are likely to be more enduring in your garden. A leaflet describing the simple methods which bring success, requiring no skill, but merely care and patience, will be sent free with each order for Lily seed, if requested. Seeds germinate in 20-30 days.

8159 PHILIPPINENSE FORMOSANUM SNOW-DRIFT. Blooms end of August and can be flowered within 10 months from sowing. Attains a height of 4 to 6 ft., often with 10 to 12 flowers with trumpets 6 to 7 inches across. Pkt., 35c.

8152 REGALE WHITE. Trumpets of pure glossy white, large blooms, very fragrant. A reliable, consistent bloomer. very hardy. Pkt., 25c.

8163 TENUIFOLIUM (CORAL LILY OF SIBERIA.) 24 in. Blooms are deep scarlet and have recurved petals of waxy texture. Pkt., 25c.

8164A MIXTURE OF HARDY LILIES. Includes seeds of 50 Liliium species and Hybrid strains, but not, of course, in equal proportions. Pkt., 25c.

Linum (Flax) 12 to 18 in.

Culture: C, Page 57

One of the best sources of vivid blue and yellow in the perennial border. Seeds germinate in 8-10 days.

8134 COLLINUM. A hardy perennial Flax with bright blue flowers, forming compact, free-flowering plants 12 to 15 inches in height. Pkt., 25c.

8140 FLAVUM. 1-2 ft. Produces masses of golden yellow flowers from June until Sept. Pkt., 25c.

8125 PERENNE BLUE. 2 ft. May-Aug. Has dainty sky-blue flowers on graceful arching stems. Blooms produced continuously in profusion.

SEEDS: Pkt., 15c. PLANTS: 3 for \$1.60; 10 for \$4.85.

8150 LUNARIA—BIENNIS ANNUA (HONESTY OR ST. PETER'S PENNY). Flowers lilac-purple, followed by silvery seed pods, prized for winter bouquets. Biennial but readily self-sows. Seeds germinate in 10-12 days. Pkt., 15c.

Lupinus Polyphyllus

Culture: A, B, D or E, Page 57

Inoculate Lupin seed with Nitragin. Garden size 25c. Chill seed before sowing. Germinates in 8-10 days.

8171 RUSSELL STRAIN. MIXED COLORS. These remarkable Lupins are often 3½ ft. in length. Flowers in 4 months from sowing.

SEEDS: Pkt., 25c. PLANTS: 3 for \$2.00; 10 for \$6.25.

8179 VAUGHAN'S SPECIAL MIXTURE. This is a choice mixture of the best English and American strains, including recent novelties. Pkt., 25c.

NO PLANT ORDERS ACCEPTED AFTER MAY 15TH. SEED AVAILABLE AT ALL TIMES.

Vaughan's Perennial Flower Seeds and Plants

Lobelia

Culture: B, C, D or E, Page 57

- 8143 **CARDINALIS (CARDINAL FLOWER)**. 2 ft. July-Oct. Tufts of bronzy green foliage from which arise spikes of fiery scarlet flowers. Seeds germinate in 10-12 days.
SEEDS: Pkt., 15c. PLANTS: 3 for \$1.80; 10 for \$5.75.

Lychnis

Culture: B, D or E, Page 57
Seeds germinate in 10-12 days.

- 8190 **CHALCEDONICA (MALTESE CROSS)**. 3 feet. June-Aug. Burning Star. Flowers fiery red in clusters, each blossom forming a Maltese cross. Will bloom from seed the first year.
SEEDS: Pkt., 15c.
PLANTS: 3 for \$1.70; 10 for \$5.25.

- 8220 **LYTHRUM Roseum Superbum**. Spikes of rose-purple; a good border plant. 40 in.
SEEDS: Pkt., 15c.
PLANTS: 3 for \$1.80; 10 for \$5.50.

- 8245 **MYOSOTIS PALUSTRIS SEMPERFLORENS**. True marsh forget-me-not blooming from spring until autumn.
SEEDS: Pkt., 25c.
PLANTS: 3 for \$1.60; 10 for \$4.85.

Mertensia (Blue Bells)

- VIRGINICA**. 15". May. Blue shading to pink.
PLANTS ONLY: 3 for \$1.80; 10 for \$5.75.

Monarda (Burgamot)

- DIDYMA CAMBRIDGE SCARLET**. 2-3'. July-Aug. Brilliant scarlet.
PLANTS ONLY: 3 for \$1.80; 10 for \$5.75.



8360 **PLATYCODON** Grandiflorum

Platycodon (Chinese Bell Flower)

Culture: B, D or E, Page 57

They resemble Campanulas, with dainty bell flowers on graceful stems. They flower from June to September.

- 8360 **GRANDIFLORUM**. 2-3 ft. Large handsome deep blue flowers.
SEEDS: Pkt., 15c. PLANTS: 3 for \$1.70; 10 for \$5.25.

- 8365 — **ALBUM**. White.
SEEDS: Pkt., 15c. PLANTS: 3 for \$1.70; 10 for \$5.25.

- SHELL PINK**. Soft shell pink, the veination in the flower being a deeper pink, with no trace of blue. At its best when grown in the semi-shade. In intense sun the color is inclined to fade. Has a long season of bloom.
PLANTS ONLY: 3 for \$1.70; 10 for \$5.25.

- 8370 **MARIESII BLUE**. 1 ft. Deep blue dwarf.
Pkt., 15c.

Physostegia

(False Dragonhead)

Culture: B, D or E, Page 57

- 8248 **VIRGINICA**. Deep rose flowers in close compact spikes.
SEEDS: Pkt., 25c.
PLANTS: 3 for \$1.60; 10 for \$4.85.



HARDY PHLOX

Phlox Seed

- 8340 **DECUSSATA MIXED**. 2-3 ft. This special mixture comes from a superior collection of large-flowering sorts. Perennial Phlox do not come true from seed and can be had only in mixture. Seed germinates slowly. Pkt., 25c.

Hardy Phlox Plants

OUR PHLOX are strong one-year-old plants with a fine bunch of uncut strong, healthy roots. They are much better than divided old clumps.

- AFRICA**. 2½'. Midseason. Dazzling, deep scarlet.
PLANTS ONLY: 3 for \$1.80; 10 for \$5.75.

- BORDER QUEEN**. 1½-2'. Early. Huge compact trusses of pure pink.
PLANTS ONLY: 3 for \$1.80; 10 for \$5.75.

- CHARLES CURTIS**. 2½-3'. Midseason. Beautiful sunset red.
PLANTS ONLY: 3 for \$2.50; 10 for \$8.00.

- DAILY SKETCH**. Early. Salmon pink. Crimson eye.
PLANTS ONLY: 3 for \$1.80; 10 for \$5.75.

- EUROPE**. 3-3½'. Early. Pure white with red eye.
PLANTS ONLY: 3 for \$1.80; 10 for \$5.75.

- FLASH**. 3-3½'. Midseason. Flashy crimson red.
PLANTS ONLY: 3 for \$1.80; 10 for \$5.75.

- GEO. STIPP**. 3-3½'. Midseason. Salmon with shaded lighter eye.
PLANTS ONLY: 3 for \$1.80; 10 for \$5.75.

- HARVEST FIRE**. 2-2½'. Late. Large, fiery orange.
PLANTS ONLY: 3 for \$1.80; 10 for \$5.75.

- LEO SCHLAGETER**. 2½-3'. Early. Brilliant scarlet with orange cast.
PLANTS ONLY: 3 for \$2.00; 10 for \$6.25.

- LILIAN**. 1½-2'. Early. Best salmon pink. Continuous bloomer.
PLANTS ONLY: 3 for \$1.80; 10 for \$5.75.

- MARIE LOUISE**. 2-2½'. Midseason. The best large pure white.
PLANTS ONLY: 3 for \$2.00; 10 for \$6.25.

- MRS. E. PRITCHARD**. 2½-3'. Midseason. An exquisite blue.
PLANTS ONLY: 3 for \$2.00; 10 for \$6.25.

Phlox—Recent Introductions

- BLUEBOY**. Dark blue.
PLANTS ONLY: 3 for \$2.00; 10 for \$6.25.
- BRIGADIER (New)**. Carmine red. Pink shading. Red eye.
PLANTS ONLY: 3 for \$2.50; 10 for \$8.00.
- ELIZABETH ARDEN (New)**. Soft pink, low, compact growing.
PLANTS ONLY: 3 for \$2.50; 10 for \$8.00.
- SAN ANTONIO**. Dark blood red.
PLANTS ONLY: 3 for \$2.00; 10 for \$6.25.
- SIR JOHN GALSTAFF (New)**. Giant salmon pink. Strong flower.
PLANTS ONLY: 3 for \$2.50; 10 for \$8.00.

Phlox Subulata (Creeping Phlox)

- ATROPURPUREA**. Carmine red.
PLANTS ONLY: 3 for \$1.80; 10 for \$5.75.
- BLUE HILL**. Blue.
PLANTS ONLY: 3 for \$2.00; 10 for \$6.25.
- ROSEA**. Pink.
PLANTS ONLY: 3 for \$1.80; 10 for \$5.75.
- VIVID**. Pink, dark eye.
PLANTS ONLY: 3 for \$2.50; 10 for \$8.00.

Pentstemon (Beard Tongue)

Culture: B, D or E, Page 57

They are very showy, growing from 2 to 4 feet; slender spikes which bear trumpet-shaped flowers.

- 8324 **BARBATUS**. Tall erect branching. A showy scarlet perennial. One of the best. Seeds germinate in 10-12 days. Pkt., 25c.

Physalis Franchetti

Culture: B, D or E, Page 57

- 8345 **CHINESE LANTERN PLANT**. 1½ ft. Produces balloon-like husks the second year from seed, which turn bright red when ripe and resemble Chinese Lanterns, useful in winter bouquets. Seeds germinate in 15 days. Pkt., 15c.



8380 **POLEMONIUM** Coeruleum

Polemonium (Jacob's Ladder)

Culture: B, D or E, Page 57

- 8380 **COERULEUM** (Greek Valerian). 2 ft. Beautiful sky-blue flowers with golden anthers. June-July. Foliage fern-like.
SEEDS: Pkt., 15c. PLANTS: 3 for \$1.80; 10 for \$5.75.

**NO PLANT ORDERS ACCEPTED
AFTER MAY 15
SEED AVAILABLE AT ALL TIMES**

Vaughan's Perennial Flower Seeds and Plants



8275 **POPPY**, Nudicaule Vaughan's Special Mixture.

Iceland Poppies

PAPAVER Nudicaule 12 to 18 in.

Culture: B, Page 57

Cool moist soil is necessary, and light shade preferred. Hardy perennials, they bloom first year from seed. Seed germinates in 10-15 days.

8291 GARTFORD GIANT ART SHADES. Exceptionally large flowers in lovely pastels. Pkt., 25c.

8293 EMPEROR. 18-22 in. Finest giant orange of new form, with over-lapping fluted petals giving effect of semi-doubleness. Pkt., 25c.

8275 VAUGHAN'S SPECIAL ICELAND POPPY MIXTURE. We have included all the newer varieties. Pkt., 25c.

Oriental Poppies

PAPAVER Orientale 3 ft. May-June

These gorgeous spring flowers, often six inches across of vivid coloring, may be left undisturbed for years. The named varieties of Oriental Poppies do not come entirely true from seed. Seed germinates in 10-15 days.

8307 BEAUTY OF LIVERMERE. Crimson. Pkt., 25c.

8305 PRINCESS VICTORIA LOUISE. Lilac-rose. Pkt., 15c.

8310 RED. Deep crimson, large flowers. Pkt., 15c.

8313 NAMED NEW VARIETIES MIXED. Seed collected from a field of the newer named sorts. Lovely pinks, rose and white. Pkt., 25c.



8345 **PHYSALIS** Franchetti.

Ranunculus

8451 ASIATICUS (GIANT DOUBLE HYBRIDS).

A particularly fine strain of double large flowered hybrids in sulphur yellow, golden yellow, scarlet, crimson, lilac and many other shades. Can be planted in the garden in earliest Spring. Seeds germinate in 15-20 days. Pkt., 25c.

Sow perennial seeds early in the Spring. Summer sowing means smaller plants that require more care.



8420 **PRIMULA** Veris Colossea

Primula

There is a growing appreciation of the beauty of the amazingly varied Primrose family. Blossoming in April and May, their brilliant colors have few rivals in plantings along shady paths or in the rock garden. Seed germinates in 15-30 days.

Culture: C or B, Page 57

8406 AURICULA, MONARCH STRAIN MIXED. A fine exhibition strain. Wonderful markings on perfectly formed flowers. Pkt., 25c.

8411 JAPONICA MIXED. Towering sprays of beauty. Colors range through white, rose, pink, crimson, mauve and lavender, bright crimson, orange eye. SEEDS: Pkt., 25c.

Polyantha Type (Bunch Primrose)

These are showy, cluster-flowered, of exceptional size, thriving in rich, moist soil.

8419 VERIS GIANT CRIMSON. Pkt., 25c.

8420 —COLOSSEA MIXED. (HIGHLY COMMENDED. WISLEY TRIALS 1952.) The large heads of florets are borne on stiff stalks in new shades of lilac, pink, copper as well as the darkest red. Pkt., 100 seeds, 35c.

8421 —LUTEA. Clear yellow, extra fine. Pkt., 25c.

8418 —GIANT BOUQUET MIXED. (AWARD OF MERIT WISLEY TRIALS 1952.) An extra choice strain with large flowers and long stems, in a wide range of color. Pkt., 25c.

8424 VULGARIS (ENGLISH PRIMROSE). Pale yellow for wild gardens. SEEDS: Pkt., 25c.

PERENNIAL SEED MIXTURES

Similar to our Surprise Garden of Annuals. These formula-blends are composed of the more important perennial varieties in their respective height groups.

8600 DWARF. 6 to 15 in.

8601 MEDIUM. 18 to 36 in.

8602 TALL SORTS MIXED. 3 ft. and upwards. Each of above, per pkt., 25c; 3 pkts. for 65c.

8259 NATIVE WILD FLOWER MIXTURE FOR SUN OR SHADE. Seeds of more than 100 different species. All American, collected in the temperate zone. For woodlands, and wild flower gardens. Pkt. **25c**



8438 **PYRETHRUM** Robinson's Hybrids Mixed

Pyrethrum Roseum (Painted Daisy)

Culture B, D or E, Page 57

Their large flowers, well-named Painted Daisies, blossom with the tall Iris, and continue through June. A second crop will come if the first growth is cut back. They are easily grown from seeds, which germinate in 20 days, 1 to 2 ft.

8433 DOUBLE MIXED. Pkt., 35c.

A certain per cent of the above will be single.

8440 GRANDIFLORUM SINGLE MIXED. Pkt., 15c.

8438 ROBINSON'S HYBRIDS, MIXED. A selection made by an English specialist, with a fine color range. SEEDS: Pkt., 25c. PLANTS: 3 for \$2.00; 10 for \$6.25.

8438A ROBINSON'S CRIMSON. The best red. SEEDS: Pkt., 25c. PLANTS: 3 for \$1.70; 10 for \$6.25.

8439 ROBINSON'S ROSE. Extra large flower. Pkt., 25c.

Rudbeckia (Cone Flower)

Culture: B, D or E, Page 57
Seeds germinate in 20-30 days.

8462 PURPUREA. Reddish purple flowers, large brown cone-shaped center. July to Oct. 2-3 ft.

SEEDS: Pkt., 15c. PLANTS: 3 for \$1.70; 10 for \$5.25.

8465 HERBSTWALD AUTUMN TINTS. 2 ft. Blooms the first year from seed sown in March, furnishes star flowers of fiery autumn coloring. Pkt., 25c.



8462 **RUDBECKIA** Purpurea.

**NO PLANT ORDERS ACCEPTED
AFTER MAY 15
SEED AVAILABLE AT ALL TIMES**

Vaughan's Perennial Flower Seeds and Plants



8494A **SCABIOSA**, Caucasica Vaughan's Special Mixture

Rose

Culture: B, D or E, Page 57

8452 THE BABY ROSE. Multitudes of tiny roses in varied lovely colorings, but largely in white, blush or delicate pink. Flowers single to fully double. More or less everblooming. Quick from seed, and from earliest spring sowings, plants will be in flower by June, midgets but four inches high. Pkt., 25c.

Scabiosa

Culture: B, D or E, Page 57

8490 CAUCASICA PERFECTA. 18 in. Light blue flowers prettily fringed on long stems. Pkt., 15c.

8491 —ALBA. Pure white comes true. Pkt., 25c.

8494A —VAUGHAN'S SPECIAL MIXTURE. Large fringed and ruffled flowers from lavender to dark blue; some pure white.

SEEDS: Pkt., 25c.

8492 —HOUSE'S NEW GIANT HYBRIDS. 18 in. June-Oct. Large flowers in various shades of lavender.

SEEDS: Pkt., 25c. PLANTS: 3 for \$1.70; 10 for \$5.25.

Salvia

Culture: B, D or E, Page 57

8480 PATENS. 2 ft. Large, rich deep blue flowers in September. Roots can be wintered in cellar. Seeds germinate in 15 days.

SEEDS: Pkt., 25c. PLANTS: 3 for \$1.70; 10 for \$5.25.



8525 **STOKESIA** Cyanea



8554 **TROLLIUS** Choicest Mixed.

Statice

8520 LATIFOLIA. 2 ft. Dense branching plumes of deep blue flowers.

SEEDS: Pkt., 15c. PLANTS: 3 for \$1.70; 10 for \$5.25.

Trollius

Culture: B, D or E, Page 57

8554 CHOICEST MIXED VARIETIES.

SEEDS: Pkt., 25c. PLANTS: 3 for \$2.50; 10 for \$8.00.

Thalictrum

(Meadow Rue)

Culture: B, D or E, Page 57

Though not of bright and conspicuous color, the feathery flowers of the Thalictrums are decorative and interesting. They grow easily from seed, germinating in 15-20 days.

8541 AQUILEGIFOLIUM MIXED. (Feathered Columbine). Graceful foilage, mixed colors. 3 ft.

SEEDS: Pkt., 25c. PLANTS: 3 for \$1.70; 10 for \$5.25.

8545 DIPTEROCARPUM MAGNIFICUM. Taller, more vigorous and larger flowered than the older strain of Diptercarpum. Flowers in panicles, ranging from white to rosy-mauve. Excellent for cutting. 5 ft. Pkt., 25c.

Thermopsis

Culture: B, D or E, Page 57

8548 CAROLINIANA. 3 to 5 ft. June and July. The long, graceful spikes of yellow Lupin-like flowers blossom with the Delphiniums and provide an excellent foil for their blues. Seeds germinate in 15-20 days.

SEEDS: Pkt., 25c. PLANTS: 3 for \$1.80; 10 for \$5.75.

Tritoma

(Red Hot Poker)

Culture: B, D or E, Page 57

Very handsome and showy border plants. Flowers borne in compact form on stout 3 and 4 ft. stems.

8558 PFITZER'S HYBRIDS. Orange scarlet. SEEDS: Pkt., 15c. PLANTS: 3 for \$2.00; 10 for \$6.25.

Tradescantia

Culture: B, D or E, Page 57

8550 MIXED. Fully hardy, easily grown from seed and usually giving some flowers first year. Seeds from unnamed and named varieties in colors of rose pink, snow white, rosy mauve, deep purple, sky blue, soft pink and many others. Pkt., 25c.

Stokesia

(Stokes' Aster)

Culture: B, D or E, Page 57

Large flowers, resembling a single Aster. Seeds germinate in 20 days.

8525 CYANEA. 18 in. July-Oct. Flowers rich blue. SEEDS: Pkt., 15c. PLANTS: 3 for \$1.70; 10 for \$5.25.

**NO PLANT ORDERS ACCEPTED
AFTER MAY 15
SEED AVAILABLE AT ALL TIMES**



8570 **VERONICA** Spicata Blue.

Veronica (Speedwell)

Culture: B, D or E, Page 57

Hardy, herbaceous perennials varying in height from a few inches to 3 or 4 ft., and bearing blue or white flowers in terminal spikes or racemes. Seeds germinate in 15-20 days.

8570 SPICATA BLUE. 2 ft. July-August. Flowers violet blue in long spikes.

SEEDS: Pkt., 15c.

PLANTS: 3 for \$1.70; 10 for \$5.25.

Valeriana

Culture: B, D or E, Page 57

8561 MIXED. (GARDEN HELIOTROPE)

SEEDS: Pkt., 15c.

PLANTS: 3 for \$2.00; 10 for \$6.25.

Tall, Hardy Verbena

Culture: B, D or E, Page 57

8566A BONARIENSIS. 4 ft. A grand perennial that blooms from seed the first year. Sweet scented rosy lavender flowers on long stiff stems. Will flower first year from a March sowing. Start seed indoors and set small plants out when ground is sufficiently warm. Pkt., 15c.

Vinca

(Hardy Myrtle)

MINOR. 3". May-June. Popular creeper and ground cover.

PLANTS ONLY: 3 for \$1.70; 10 for \$5.25.

MINOR ALBA. 3". May-June. A rare white flowered form.

PLANTS ONLY: 3 for \$2.00; 10 for \$6.25.

Violet

ROYAL ROBE. 6-8". All summer. Large deep violet blue. Very fragrant.

PLANTS ONLY: 3 for \$2.00; 10 for \$6.25.

WHITE WONDER. 6-8". All summer. Large single white with blue and yellow tinting. Fragrant.

PLANTS ONLY: 3 for \$2.00; 10 for \$6.25.

Add Postage for Plant Orders

All Plants Shipped Direct from
Ovid, Mich.

Priees of plants on these pages do not include postage. Add 10% of the total of your order for plants to cover packing and postage. Shipments larger than 12 plants will be made by express collect, unless otherwise instructed.

Check your order carefully before mailing. It is almost impossible to make changes on orders after they have been placed in process of filling.

Plants by Express

We recommend this mode of transit where quantities are 12 plants or over. We pack carefully.

No C. O. D. Shipments

Home Greenhouse and House Plants from Seed

Begonias

TUBEROUS ROOTED

Culture: D or E, Page 57

For brilliancy of color, duration and profusion of bloom, few plants can compare with the tuberous-rooted Begonias for greenhouses and for summer bedding. A little difficult to raise without a greenhouse. Seeds germinate in 20 days.

For Bulbs of Begonia Tuberous rooted see index on final pages

5 301 SEMESAN For damping off gladioli, begonias etc. 4 oz. \$1.20, postpaid \$1.35. 12 oz. can \$3.40, postpaid \$3.60

1100 DOUBLE TUBEROUS ROOTED VAUGHAN'S SPECIAL MIXTURE. Form and color weave a magic spell in this cream of a specialist collection containing the lovely camellia and rose flowered forms together with the double fringed types in charming colors from dainty light shades to the richer and darker tones. Flowers 5 to 8 in. across. Seed sown in January or February make good sized plants by August. Leaflet on culture supplied with seed. Pkt., \$1.00.

FIBROUS-ROOTED EVER-BLOOMING

Culture B, C, D or E, Page 57

A continuous flowering class of greatest value for bedding, the flowers are of brilliant colors and borne in great profusion from summer to autumn. Seedlings of spring bloom in summer, while seedlings of summer make decorative winter house plants.

Begonia seed is very fine. Open packets carefully over a sheet of white paper. Seeds germinate in 20 days.

1075 ADELINE. (Improved Darling). Very dwarf habit bright pink flowers and green foliage, very attractive. Pkt., 35c.

1071 CHRISTMAS CHEER RED. The blooms attain a diameter of 2 inches. Dark crimson-scarlet. Pkt., 35c.

1094 SAGA. Small bright red flowers. An extra dwarf free flowering strain. Pkt., 35c.

1073 SNOWBANK. The finest dwarf white. Large flowers of purest white, freely produced on plants that are compact and uniform in growth. Foliage is a bright clear green. Pkt., 50c.

1066 PINK PEARL. Of dwarf compact habit, 6 to 8 in. high. The plants form perfect balls and the flowers are borne well above the bright green foliage. Pkt., \$1.00.

1067 RED PEARL. Identical to the above in type and blooming habit. Color a brilliant dark scarlet. Pkt., \$1.00.

1080 SCANDINAVIA PINK. An outstanding large flowered pink. Plants of branching habit, with dark green foliage. Pkt., 35c.

1090 VAUGHAN'S SPECIAL MIXED. Finely balanced blend of full color range. Pkt., 25c.

Calceolaria +

Culture: C. Pot up in Fall, force in greenhouse. Page 57

1179 HYBRIDA MULTIFLORA NANA MIXED. The average size of the blooms is only 1½ inches, but the amount of flowers produced is unsurpassed. The color scheme is extraordinarily gay and full of contrast. Pkt., \$1.00.

1184 HYBRIDA GRANDIFLORA TRIUMPH STRAIN. A truly outstanding strain. Bright shades of yellow, orange, red and rose; the flowers are large and mostly tigered or spotted. This strain produces bushy, shapely plants with clean foliage. Pkt., \$1.00.

Cineraria Hybrida +

Culture: C. Pot up in Fall, force in cool greenhouse. Page 57

1715 VAUGHAN'S COLUMBIAN MIXTURE. A mixture of the finest strains; the flowers from 7 to 9 inches in circumference, brilliant colors. Pkt. 25c.

1716 CREMER'S PRIZE MIXTURE. The petals in most of the blooms of this strain are wide, numerous and overlap well to form attractive heads. The plants can be finished in smaller pots, too, making shapely specimens covered with masses of blooms. Pkt., 50c.

1723 SITER'S RAINBOW STRAIN. Immense flower heads of medium large flowers ranging from bright eyed types to finer pastel shades. Compact growth, with little leaves. Early to bloom. Pkt., 50c.

Crossandra

1996 CROSSANDRA. The leaves are a glossy rich green and the flower ranges in color from salmon pink to peach, and blooms for a long time. Sow seed in well sterilized soil, being sure the pot or pan has good drainage. 70 to 80 degrees fahrenheit will result in quick growth. Pkt., \$1.00.



1716 **CINERARIA** Cremer's Prize Mixture. Pkt., 50c.



Exacum

2445 AFFINE. An easily grown pot plant producing sweetly scented bright mauve flowers. Pkt., 35c.



Flame Violet

2449 FLAME VIOLET. Imagine an African violet plant with hairy leaves of varied coloring, and small single flowers ranging from orange-red to brilliant scarlet, or pure white. That describes this relative of the gloxinia, which is even easier to grow from seed. The slender stems have a trailing habit, and the coloring in the leaves varies from deep shiny green to copper veined with green or silver, and silver with rust colored markings. The foliage alone would make the plant attractive. Seedlings are easier to handle than those of African violets and culture is similar with reference to light, temperature and humidity. 25 seeds, \$1.00.



BEGONIA, Type of Pink Pearl and Red Pearl.

Abutilon

120 MIXED (FLOWERING MAPLE OR CHINESE BELL FLOWER). ± 3 to 4 ft. As indispensable for the window or greenhouse as the Petunia is for the flower garden. Grows rapidly from seed, and is soon in bloom. Leaves very ornamental and often beautifully variegated. Lovely bell-shaped flowers, borne the year round and in all colors. Pkt., 25c.

Antirrhinum

SNAPDRAGON ① ÷

For Greenhouse Forcing.

Culture: D or E, Page 57

BRONZE

362 AFTERGLOW. Golden bronze.

367 GALLANT FOX. Deep orange-bronze.

LAVENDER

402 LAVENDER LADY. Deep rosy lavender.

420 WITTERSTAETTER'S ORCHID. A rich even color.

RED

411 PRISCILLA ANN. Velvety-erimson florets. At times a faint touch of yellow is noted on the lip.

371 WITTERSTAETTER'S RED. Rich velvety red.

ROSE AND PINK SHADES

377 CHRISTINA. Medium-light pink.

378 CHRISTMAS CHEER. The earliest rose-pink.

369. LIBBY. Good sized flowers of dark rose-pink

WHITE

397 MARGARET. Ivory white.

418 TWENTY GRAND. A good winter flowering

YELLOW

387 GOLD RUSH. Deep Jonquil yellow.

384 PATRICIA. Rich yellow with full deep yellow

lower lip.

EACH OF THE ABOVE. Pkt., 75c.

426 VAUGHAN'S RAINBOW MIXTURE F-1 HYBRID SNAPDRAGONS. Because of their hybrid vigor, this mixture is especially well adapted to the needs of the home gardener. Grow it on in your home greenhouse for cut-flowers during the winter months, or plant outside in your garden in Spring, where it does equally well and adds an important range of color to your bouquet material. The florets are large, the stems long and strong, coming into bloom early and lasting well into the early Fall. Pkt., 75c.

Asparagus ÷ +

Culture: C. Pot up in Fall, force in greenhouse. Page 57

480 PLUMOSUS NANUS. 3 ft. Pkt., 35c.

485 SPRENGER. For hanging baskets. Pkt., 35c.

Browallia

1155 SPECIOSA MAJOR. Large bright blue flowers with a white throat. Very free flowering. Pkt., 35c.

2846 HOUSE PLANTS MIXED. A mixture of the following: Begonia, Calceolaria, Cineraria, Schizanthus, Primula Malacoides, and Obconica Mixed. Pkt., 50c.

Home Greenhouse and House Plants from Seed



1184 **CALCEOLARIA** *Hybrida Triumph.*
Pkt., \$1.00.



2916 **KALANCHOE** *Yellow Darling.* Pkt., 50c.



2560 **GLOXINIA** *Vaughan's International Mixture.* Pkt., 25c.

Cuphea Firecracker Plant

Culture: A or B, Page 57

Seeds germinate in 20-30 days. Greenhouse Subject.
1999 **FIREFLY.** 10 inches. A colorful border or edging plant, dwarf, compact, neat in habit, and showy. Small, delicate butterfly-like flowers of fiery red are freely produced. Flowers in 12 to 14 weeks from seed and blooms continuously. Pkt., 25c.

Cyclamen

PERSICUM GIGANTEUM +

Culture: C. Pot up in Fall, force in greenhouse. Page 57
2010 **MIXED.** Large, colorful fragrant blooms on strong erect stems, well above the ornamental foliage. It takes nearly 18 months to produce blooming plants from seed. Pkt., 50c.

Gloxinia +

Culture: D or E, Page 57

2560 **VAUGHAN'S INTERNATIONAL MIXTURE.** Magnificent house-blooming plants, with handsome bell-shaped flowers in a diversity of the richest colors. These seeds are very small and require care in handling, but start very readily when sown in pans or pots on finely sifted soil and watered from beneath. 12 in. Pkt., 25c.

Kalanchoe

Culture: D, C or E, Page 57

2915 **HYBRIDA BRILLIANT STAR.** Showy window succulent, with attractive fleshy foliage and big trusses of vividly red blossoms. Pkt., 35c.
2916 **YELLOW DARLING.** Flowers of a strong lemon-yellow of outstanding brightness. These flowers together with the shining green leaves make it a perfect plant for flower arrangements. Plants are dwarf and compact. Pkt., 50c.



4753 **SCHIZANTHUS** *Vaughan's Dwarf Masterpiece* Pkt., 50c.

Primula ÷

Culture: D, C or E, Page 57

4465 **CHINESE VAUGHAN'S INTERNATIONAL MIXTURE.** Our mixture contains all the choicest colors of the single-flowering Primulas in all their dainty shades. 12 in. Pkt., 75c.

NEW GIANT MALACOIDES—16 In.

Culture: C (May-July). Pot up July-Sept., Page 57

4474 **GLORY OF RIVERSIDE IMPROVED.** A true rose pink. Easily grown from seed. Pkt., 35c.

4477 **MALACOIDES MIXED.** Large flowers on long heavy stems. Upright growing plants. Very free flowering. Pkt., 35c.

PRIMULA OBCONICA GRANDIFLORA

Culture: D or E (Jan.-April); C (May-July). Winter in greenhouse. Germination 3-4 weeks. Page 57

4495 **OBCONICA GRANDIFLORA MIXED.** Range of color includes red, rose, blue and white. Pkt., 35c.

4496 **GIGANTEA WYASTON WONDER.** The huge heads of bright crimson flowers are carried on strong stems well above the foliage. In spite of the vigorous growth, Wyaston Wonder makes a compact and tidy plant. Pkt., 50c.

African Violets

SAINTPAULIAS

Interesting and attractive house plants with a long season of bloom; the leaves of which form a cushion from which arise the bright violet-like flowers.

4589 **NEW HYBRIDS.** Flowers are varied shades of blue, lilac and pink. Compact plants with leaves of dark green. Pkt., 50c.

Schizanthus

POORMAN'S ORCHID

Culture: A or B, D or E, Page 57

Beautiful bushy plants covered with dainty flowers handsomely marked with contrasting colors. Seeds germinate in 20 days

4756 **MONARCH STRAIN.** This is the brightest mixture of rose and appleblossom pink, salmon, crimson, deep violet purple and many indescribable variations. All are heavily veined in gold. Pkt., 25c.

4753 **VAUGHAN'S DWARF "MASTERPIECE."** Plants are dwarf and compact. The flowers are of good size, ranging from light pink and rose to a pleasing dark violet, all with conspicuous blotches. Pkt., 50c.

Tigridia

5641 **MIXED (SHELL FLOWER OF MEXICO).** Few flowers are more gorgeously colored or more beautiful. Sends up leafy stalks which bear strikingly beautiful flowers in succession. Treat as a Gladiolus in the north. Pkt., 25c.

2853 **HOUSE PLANT SURPRISE.** A formula blend containing not less than 100 different varieties of ornamentals suited to the sunny window or the greenhouse. Many are rare and unusual. Sift the fine seeds from the coarse before sowing since the latter will need deeper covering. Allow for variation in germination. Pkt., 50c.

Streptocarpus

(CAPE PRIMROSE)

4993 **WIESMOOR HYBRIDS.** The flowers are well fringed and crested, 4 to 5 inches across. The leaves are small; the color range is most complete, pink, in all its shades and variations, deepest red, blue shades and white with dark blotches. Free flowering. Long wiry stems. An excellent pot plant for winter blooming. Pkt., \$1.00.

Stocks

4981 **TRYSSOMIC GIANT IMPERIAL MIXED.** Of branching habit, this new strain comes 85% or more full-double from seed. The young single seedlings are noticeably weaker at the four-leaf seedling stage making it possible to remove them and so increase the percentage of double flowers. A well-balanced color range. Pkt., 50c.

NON-BRANCHING COLUMN

These produce one stem, 2½ ft. high, thickly set with large double flowers.

4952 **GARDENIA.** Glistening white, Pkt., 50c.

4973 **WHITE GIANT.** Pure white flowers without trace of green, closely set on long stems. Pkt., 50c.

4956 **SILVERY LILAC.** Lilac lavender. Pkt., 50c.

4958 **MIXED.** A specially prepared formula which includes the above and others. Pkt., 50c.



4785 **SOLANUM** *Dainty.* Pkt., 50c.

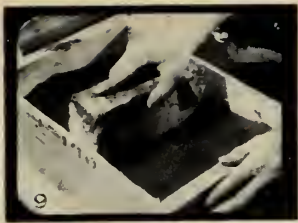
Solanum

Culture: D, C or E, Page 57

4785 **DAINTY.** Tiny peppers of red and green borne well above foliage which is rich green. Pkt., 50c

4779 **VAUGHAN'S CANDLE PEPPER.** The peppers, which are one inch long and decidedly pointed, are creamy-yellow changing to red, producing a striking candle effect. The tapered peppers grow upright, giving a dainty and unusual effect. Pkt., 50c.

4774 **CHRISTMAS CHERRY IMPROVED.** Uniform bushy plant, large round red fruit is freely produced. Pkt., 25c.



FIRMING THE SOIL

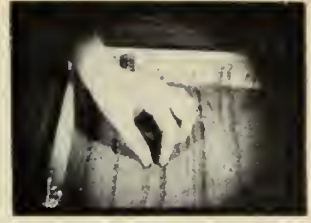


MARKING THE ROWS

SOWING SEEDS IN THE INDOOR BOX



SOWING THE SEED



COVERING THE SEED

Flower Seed Cultures—How to Sow

IN FIVE paragraphs below, designated A,B,C,D, and E we cover in considerable detail the methods of starting flower seeds which are available to the amateur without a greenhouse, and which cover well the needs of an outdoor garden. In the flower seed section in the case of each flower listed, information is given as to the cultural methods which can be used for that subject.

A Sow in the bed, border or row where the plants are to grow. The soil should be loamy, with well pulverized surface. With heavy soil inclined to cake and crack, it is usually best to grow plants in a seed bed (B) and transplant to the permanent place. Loosen the soil where seeds are to be sown, with the trowel, or hoe, several inches deep. Rake smooth. Broadcast small seeds and cover them lightly four or five times their diameter. Very small seeds may be merely pressed in. Larger seeds may be planted singly, well covered, but more thickly than plants are wanted. Firm the soil well over the seed. Watering now becomes of great importance. At no time should the soil be allowed to become hard and dry, yet excessive watering may cause the seeds to rot, sour the soil, or cause "damping off." When the plants appear, thin them out, allowing each to grow singly, without crowding. The distance between them is governed by their ultimate size and spread. Excess plants may usually be moved to a new location.

B Sow in outdoor seed bed, to be transplanted. The seed bed in the open should be of loose, mellow loam, raised slightly above the surrounding surface, and preferably surrounded by a wooden curb, to prevent rain washing across it. It should not be wider than four feet, so it can be worked easily. Shelter from high winds is valuable, but damp and shady corners are not desirable. Full sun is advisable when seedlings are up, while shade when needed, as in mid-summer for perennial seedlings, is best supplied by a lath or cloth canopy, which can be removed in damp and cloudy weather. Sow the seeds in rows which may be as close as five inches. Sowing and watering are the same as described in "A" above. Seedlings may be transplanted when they make true leaves, the second pair of leaves to appear; or they may be left until larger before being moved to their permanent location. Perennials should be moved from the seed bed to a nursery row, to grow until fall before being moved to the border.

C Sow in flat, pot or pan outdoors or in a cold frame. This method is applicable to slow germinating subjects, some of which may take a year to germinate. Fill the receptacle with potting soil as described in "D", firm the soil and broadcast the seed, covering four or five times their diameter. Place the receptacle in a shaded location, where there is free air circulation. During the spring, summer and fall, water often enough to prevent soil from drying out. A mulch

of peat moss will help retain moisture. In winter, place in a protected place outdoors and cover with leaves. Have patience with slow germinating subjects; do not disturb too quickly. Any live seed will eventually grow if given time enough, provided soil, moisture supply, etc., are right. When seedlings appear and make true leaves, transplant to pots, nursery row or permanent location. If moss forms on soil surface, sprinkle fresh earth over top.

D Sow indoors in a box, pot or pan. This method may be followed where there is a window facing south, enjoying sunlight most of the day. Use a standard florists' pot or pan (shallow pot) or a "flat," which is a shallow box, with holes bored in the bottom for drainage. Cover the drainage holes in pot or box with broken pottery; fill with potting soil. This is a mixture of half sand and half black loam. It may be obtained from florists. Firm the soil, and sow the seeds in rows, marking each row to identify the sowing. Water by setting the box or pot in water, so that it soaks up from below, or use a fine spray which does not wash the soil. Place in a dark place, covered with a wet newspaper blanket until the seeds sprout. As soon as sprouts appear bring into full light. Cover the box or pot with glass to check evaporation, but when moisture collects on glass wipe it off, and prop up one end of the glass to allow air to circulate during the sunny part of the day. A temperature not below 50 degrees at night, or 75 degrees by day, is best. Do not allow the soil to dry out. When the seedlings have made true leaves (the second set), they should be transplanted to other flats, giving at least two inches of space apart; or they may be moved to small pots or to an outdoor seed bed or border.

E Sow in a hotbed or cold frame. A cold frame or a hotbed heated by manure or other means may be used. The best method with flower seeds is to sow seeds in flats, which are placed in the frame. With manure heated beds, seeds should not be sown until the temperature of the newly made bed has dropped to 90 degrees. Watering and ventilation are important. On sunny spring days, always prop up one end of the sash to prevent overheating which may occur quickly and cause spindly growth. Do not allow the soil to dry out. When the seedlings have made true leaves, they should be transplanted to other flats, spaced two inches apart each way; or to the soil in the hotbed, or to an outdoor location, if late enough.

FLORIST CROP PRODUCTION AND MARKETING.

The application of scientific Facts to the Production and Marketing of Florist Cut Flowers, Potted Plants and Bulbs Grown in the Greenhouse or in the Field. By Kenneth Post.

This book gives the practical application of science to the production and marketing of cutflowers, potted plants and bulbs grown in the greenhouse, cloth-house, under lath or in the field. A complete guide and reference book for the commercial producer of Florist Crops. It is a well organized and complete text for a formal course in the growing and marketing of Florist Crops and a ready reference for the Floricultural scientist. 891 pages. Illustrated, \$10.00. \$10.20 postpaid.

SUNSET PRUNING HANDBOOK. Specific instructions with illustrations for pruning practically every tree, shrub or vine. This book will attempt to explain the "why" and the "how" in the nontechnical terms of the amateur gardener. 80 pages with illustrations. Paper bound, priced at \$1.50; \$1.70 postpaid.

HOW TO GROW ROSES. By John Poul Edwards. A Sunset Book which introduces the kinds of roses available and tells how to buy good plants. Gives ideas how to use roses in your garden with up-to-date, detailed information on Rose culture. 80 illustrations and photographs, 88 pages. Paper bound, priced at \$1.50; \$1.70 postpaid.

GARDENING BOOKS

BETTER HOMES & GARDENS GARDEN BOOK.

Edited by Fleeto Brownell Woodroffe. Now, you can get down-to-earth on all phases of gardening, landscaping, and lawn care, from Better Homes & Gardens editors. You'll see how to use every square foot of space for beauty and privacy, how to grow beautiful flowers, prize winning fruits and vegetables, how to make your lawn velvety green. Everything in this new Garden Book is clearly explained in pictures and everyday language.

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26 illustrations and photographs, 62 pages. Paper bound, \$1.50—Postpaid \$1.70.

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Essential and down-to-earth practical ideas on good landscaping, stressing the importance of gardens to live in rather than gardens to look at, with solutions to landscaping problems.

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Vaughan's Vegetable Seeds

New Beans Surpass Old in Yield and Quality

SYMBOL OF QUALITY

To guide home gardeners in selection of varieties to grow we mark with the symbol shown above those varieties which we consider to be superior under most conditions to other varieties of similar description and purpose.

Artichokes

A-1 ARTICHOKE GREEN GLOBE. A perennial with edible blossoms that matures second year after planting. It will not stand hard freezing and requires renewing every few years. Pkt., 25c; ½ oz., 75c; oz., \$1.50.

Asparagus

Seed Planting. Seed will produce a crop in three years. One ounce produces 300 plants. Roots will produce a crop in two years. Plant roots two feet apart in rows four feet apart. Roots (2 yrs. old) Doz. 100 1,000
MARY WASHINGTON \$1.00 \$3.75 \$32.00
 If by mail, add postage as follows: 100, 50c.

SEED

A-4 MARY WASHINGTON. Most recommended and a rust-proof strain. Pkt., 15c; oz., 45c; ¼ lb., \$1.10

A-5 PARADISE. Heavy yielding, producing crop in two years. Pkt., 15c; oz., 65c; ¼ lb., \$1.75

For Your Children's Garden

Young children can easily acquire an interest in gardening which will last all their lives, if they are encouraged to plant vegetables which appeal to their active imaginations.

The varieties listed below should have appeal because of their small size and appropriate names. They will also contribute to the family food supply, and help you maintain an adequate vitamin intake by the youngsters.

C-110 SWEET CORN GOLDEN MIDGET. 70 DAYS. On stalks 2½ to 3 ft. tall, this dwarf sweet corn bears 8 row ears unsurpassed for flavor. 1 pkt., 25c; ½ lb., 60c; 1 lb., \$1.10.

C-172 CUCUMBER MINCU. 45 DAYS. Fruits average 2x4½ inches and are suitable for both salad and pickling. It bears 8 to 10 fruits within 1 ft. of the hill. 1 pkt., 25c; oz., 50c; ¼ lb., \$1.50.

L-23 LETTUCE TOM THUMB. 60 DAYS. Small compact heads with dark green hearts. Long standing. Excellent quality; a favorite in Europe. 1 pkt., 25c; oz., 60c.

T-49 TOMATO TINY TIM. 45 DAYS. The Window Box Tomato Dwarf compact, growing to a height of 8 to 10 inches and hushes about 14 inches across. It is the earliest of all tomatoes, very prolific. Fruits are borne in clusters, bright red, ¾ to 1 inch across; fine flavored. Very colorful when potted or grown in window boxes. 1 pkt., 25c.

M-52 WATERMELON SUGAR BABY. A new variety, larger than New Hampshire Midget but small enough to fit in the icebox. Averaging 8 inches in diameter, weight 8 to 10 lbs., the fruits are round, dark green with darker striping. It has been rated better than other small melons for flavor, texture and less seed. 1 pkt., 25c; ½ oz., 60c; oz., \$1.00.

QUALITY in beans is measured by stringlessness, by tenderness, or the absence of fiber or "linen" in the pod; by ability to produce well under favorable or adverse conditions and by the length and shape of pod. Round-pod beans are considered of superior quality, due to superior stringlessness and less fiber. Flat pod varieties rate high in yield and flavor.

One week before frost proof date, sow bush beans two inches deep, 2-4 inches apart, pole beans, 4-6 inches apart. Harvest pods before seeds form. If picked clean, plants will bear until frost; but young plants yield best and succession plantings are advised.

Green Round-Pod Bush Beans

B-23 CONTENDER. 49 Days. An excellent 1950 introduction of the late Dr. B. L. Wade. Undoubtedly the finest early home garden bush bean and perhaps the best of all sorts. Resistant to common bean mosaic and greasy pod. Pkt., 25c; ½ lb., 50c; lb., 95c; 2 lbs., \$1.45; 5 lbs., \$3.50. See novelty page 6.



B-1 GREEN POD BUSH BEAN WADE. Pkt. 25c

B-1 WADE. 55 Days. All America Gold Medal, 1952. Supreme quality combined with heavy yield won the top award for this new variety, which experts consider the finest all-purpose greenpod bush bean yet developed. Pkt., 25c; ½ lb., 55c; lb., \$1.00; 2 lbs., \$1.90; 5 lbs., \$4.50.

B-13 TOPCROP. 50 Days. All America Gold Medal 1950. Until the introduction of the new variety Wade, this was unsurpassed for a combination of quality, yield and disease resistance. Compared with Wade it is not as dark a color, and the pods mature faster, giving a shorter period of top quality. It outyields Wade under most conditions. Pkt., 25c; ½ lb., 55c; lb., \$1.00; 2 lbs., \$1.90; 5 lbs., \$4.50.

B-39 STRINGLESS GREEN POD. (Landreth Stringless). 50 Days. Medium sized bush, productive, bearing long, round pods of good color. Stringless fleshy and nearly straight. Does best in heavy clay soil. Pkt., 20c; ½ lb., 50c; lb., 85c; 2 lbs., \$1.50; 5 lbs., \$3.50.

B-40 TENDERGREEN. 52 Days. Good sized bush hearing long round pods of medium green color. The pods are straight and stringless and average 6 in. long and ¾ in. through. Pkt., 15c; ½ lb., 50c; lb., 85c; 2 lbs., \$1.50; 5 lbs., \$3.50.

AMERICA'S GARDEN BOOK. By Louise Bush-Brown and James Bush-Brown. A new, entirely revised edition. Illustrated with more than 160 photographs, sketches, diagrams and maps. 1242 pages. Priced at \$4.50; \$4.70 Postpaid.

Green Flat-Pod Bush Beans

B-5 BOUNTIFUL. 49 Days. The earliest flat pod variety and extremely popular in the home garden. Pods are a clear light green, wide, flat, fleshy, slightly fibrous, but entirely stringless, brittle and tender. The seeds are a solid straw color or brownish yellow. Does well in any soil. Pkt., 20c; ½ lb., 50c; lb., 85c; 2 lbs., \$1.50; 5 lbs., \$3.50.

B-38 STREAMLINER. 55 Days. This is among the most productive of the bush types. The plants bear 7 in. long, ½ to ¾ in. wide, fleshy pods. The quality is excellent; stringless, nearly fiberless, fleshy, round to flat, straight. Seed clear white, kidney shape, excellent as dry bean and outstanding for baking. Does well in medium heavy soil. Pkt., 20c; ½ lb., 50c; lb., 85c; 2 lbs., \$1.50; 5 lbs., \$3.50.

Wax-Pod Bush Beans

B-4 CHOCTAW. 53 days. All America Bronze medal 1958. See Page 6.

B-10 CHEROKEE. 53 Days. Originated by the South Carolina Experiment Station, this won an All America award for 1948. The plants are vigorous, prolific, uniform, with long, straight, and meaty golden yellow oval pods of good quality. Pkt., 20c; ½ lb., 50c; lb., 85c; 2 lbs., \$1.50; 5 lbs., \$3.50.

B-29 PENCIL POD WAX. 55 Days. Plant large, strong, and bears an abundance of pods over a long period making it excellent for home garden use. Pods 6 in. long, ¼ in. broad. Nearly round, stringless, straight, fleshy, free from fiber and excellent quality. Seed oblong, slightly flattened. Pkt., 15c; ½ lb., 50c; lb., 85c; 2 lbs., \$1.50; 5 lbs., \$3.50.

B-17 GOLDEN BOUNTIFUL WAX. 53 Days. Plants large and very productive. Pods deep yellow, wide, thick, flat, fleshy and stringless. Seed purplish black. Pkt., 15c; ½ lb., 50c; lb., 85c; 2 lbs., \$1.50; 5 lbs., \$3.50.

B-41 TOP NOTCH GOLDEN WAX. 52 Days. A superior type to the old Improved Golden Wax. Very productive and compact plant. Creamy yellow pods that are straight, oval, stringless and brittle. 5 inches long, ½ inch wide. Seed solid white with brown eye. Pkt., 15c; ½ lb., 50c; lb., 85c; 2 lbs., \$1.50; 5 lbs., \$3.50.



B-10 WAX-POD BEAN CHEROKEE. Pkt. 20c

POLE BEANS

POLE varieties are less hardy than the bush varieties, and must not be planted until the weather is settled and the ground warm. Set the poles about two to three feet apart, and in each hill plant six to eight beans, thinning to the four strongest. A package plants 15 hills; 1 lb., 100 hills.

B-11 BLUE COCO POLE BEAN. 65 Days. World famous quality bean. A blue podded pole bean that turns green when cooked. An excellent grower that bears all season. Pkt., 25c; $\frac{1}{2}$ lb., 65c; lb., \$1.15

B-21 KENTUCKY WONDER OR OLD HOMESTEAD. 65 Days. The leading pole bean, the best known and most widely used. The pods are fleshy and 7 to 10 inches long and stringless when young. Kept picked they will bear all season. Pkt., 20c; $\frac{1}{2}$ lb., 50c; lb., 85c; 2 lbs., \$1.50; 5 lbs., \$3.50.

B-22 KENTUCKY WONDER WAX. 65 Days. Unsurpassed within the wax-podded pole variety field. A very heavy producer of attractive, high quality pods. Also good for green shell beans. Pkt., 15c; $\frac{1}{2}$ lb., 50c; lb., 85c; 2 lbs., \$1.50; 5 lbs., \$3.50.

B-44 BURGER'S STRINGLESS OR WHITE SEEDED KENTUCKY WONDER. 63 Days. Popular because adapted to freezing and stringless. Pkt., 15c; $\frac{1}{2}$ lb., 50c; lb., 85c; 2 lbs., \$1.50; 5 lbs., \$3.50.

B-36 SCARLET RUNNER. 65 Days. Outstanding bean for its ornamental purposes but may also be used for green shell beans. Has large beautiful scarlet blossoms. Pkt., 15c; $\frac{1}{2}$ lb., 50c; lb., 85c; 2 lbs., \$1.50; 5 lbs., \$3.50.

B-48 YARD LONG OR ASPARAGUS BEAN. 70 Days. Bears a long, round pod of 18 to 28 inches long, $\frac{1}{4}$ inch in diameter, light green, nearly round, fleshy, good quality when young. Pkt., 15c; $\frac{1}{2}$ lb., 50c; lb., 85c; 2 lbs., \$1.50; 5 lbs., \$3.50.

SHELL BEANS

B-9 DWARF HORTICULTURAL (Speckled Cranberry). Plant medium size, fairly productive. 60 days for green shell and 90 days for ripe shell. Pods dark green becoming yellow splashed with carmine. Pods 5 in. long, $\frac{3}{8}$ in. wide. Nearly round at green stage, stringless but having fiber. Seeds full oval, pinkish buff. Pkt., 20c; $\frac{1}{2}$ lb., 50c; lb., 85c; 2 lbs., \$1.50; 5 lbs., \$3.50.

B-12 ENGLISH BROAD WINDSOR. 80-90 Days. Stalks tall slender, pods green hairy, 5 to 6 in. long, containing 4 to 6 beans. Green shell beans, large flat, light green. Dry seed large, circular, flat, reddish brown with black eye. Will stand freezing and should be planted early in the north. Pkt., 15c; $\frac{1}{2}$ lb., 50c; lb., 85c; 2 lbs., \$1.50; 5 lbs., \$3.50.

B-32 RED KIDNEY. 95 Days. Plant is large, vigorous. Pods 5 inch long, $\frac{1}{2}$ in. broad. Dark green, oval, flat, stringy, tough. Seed dark, reddish brown. Pkt., 15c; $\frac{1}{2}$ lb., 50c; lb., 85c; 2 lbs., \$1.50; 5 lbs., \$3.50.

B-45 WHITE KIDNEY. 100 Days. For dry shell use only. Pods 5 $\frac{1}{2}$ in. long. Seed long, white, kidney shape. Kidney types as well as field types do well on any medium heavy soil. Pkt., 15c; $\frac{1}{2}$ lb., 50c; lb., 85c; 2 lbs., \$1.50; 5 lbs., \$3.50.

B-46 WHITE MARROW. 100 Days. Plant large with semi-runners, hardy. Pods 5 in. long, $\frac{1}{2}$ in. in diameter. Seed white, oval, short. Pkt., 15c; $\frac{1}{2}$ lb., 50c; lb., 85c; 2 lbs., \$1.50; 5 lbs., \$3.50.

COMMERCIAL BEANS

B-19 GREAT NORTHERN. 90 Days. Hardier and heavier vine than the Navy, having a longer pod and larger beans. One of the most important dry edible commercial beans grown. Pkt., 15c; $\frac{1}{2}$ lb., 45c; lb., 80c; 2 lbs., \$1.35; 5 lbs., \$3.25.

B-28 MICHELITE. 95 Days. White Navy or Boston Pea-Bean (Michigan Navy). Resistant to mosaic and bacterial blight. It is the most widely known and grown of the commercial beans. Pkt., 15c; $\frac{1}{2}$ lb., 45c; lb., 80c; 2 lbs., \$1.35; 5 lbs., \$3.25.

S-437 NITRAGIN

Inoculate Your Beans and Peas

The roots of legumes, which include peas and beans, are the hosts of bacteria which secrete nitrogen from the air. This is concentrated in nodules on the roots. The nitrogen becomes available to the soil, and stimulates the growth of the plant. This process is speeded up by applying a bacterial culture to the seed before planting. Nitrugin is the original legume inoculation culture. S-437 Garden Size for peas, sweet peas, garden and lima beans. Pkt. 25c, postpaid 30c. Each packet treats 5 lbs. of seed.

Luxury Limas

LIMAS should be planted with the eye down. The Bush Lima is more easily grown than the tall, and is earlier and more economical of space, but the Pole Limas yield better. One week after frost proof date sow seeds two inches deep, and thin plants of small seeded bush and all pole varieties to stand 6 inches apart, all large seeded bush to stand one foot apart. Plants kept picked clean will bear until frost.

BUSH

B-31 TRIUMPH. 72 Days. All America winner, 1949. A new type that is in between Fordhook and Baby Fordhook in size, and which gives a heavy yield under adverse conditions. Of fine quality, especially suited to freezing and canning. Pkt., 15c; $\frac{1}{2}$ lb., 50c; lb., 85c; 2 lbs., \$1.50; 5 lbs., \$3.50.

B-15 FORDHOOK No. 242. 73 Days. We recommend this variety in preference to Fordhook Bush, which it resembles in size and quality, but which it will outyield under adverse conditions. Pkt., 15c; $\frac{1}{2}$ lb., 50c; lb., 85c; 2 lbs., \$1.50; 5 lbs., \$3.50.

B-14 FORDHOOK BUSH. 75 Days. Plant is large, erect and heavily productive. The seeds are large, white, very thick and plump. Highly adapted to freezing. Pkt., 15c; $\frac{1}{2}$ lb., 50c; lb., 85c; 2 lbs., \$1.50; 5 lbs., \$3.50.



BABY FORDHOOK. Pkt., 15c

B-2 BABY FORDHOOK. 70 Days. Small plant with vigorous branch and leaf growth. Foliage darker than Fordhook and more productive. Excellent small thick beans for canning and freezing. Cross of Fordhook and Henderson. Pkt., 15c; $\frac{1}{2}$ lb., 50c; lb., 85c; 2 lbs., \$1.50; 5 lbs., \$3.50.

B-6 BURPEE'S IMPROVED BUSH. 75 Days. Plant large and spreading and quite productive. Pods broad, flat, usually with 4 large thick greenish seeds. Pkt., 15c; $\frac{1}{2}$ lb., 50c; lb., 85c; 2 lbs., \$1.50; 5 lbs., \$3.50.

B-7 CANGREEN. 65 Days. A new green seeded Henderson type of lima well adapted for freezing. Pkt., 15c; $\frac{1}{2}$ lb., 50c; lb., 85c; 2 lbs., \$1.50; 5 lbs., \$3.50.



HENDERSON BABY LIMA Pkt., 15c

B-42 HENDERSON BABY LIMA. 65 Days. Popular as an early home garden variety. Pods short, flat, containing 3 to 4 small oval beans. Green shell beans of excellent quality. Plant medium size and heavily productive. Pkt., 15c; $\frac{1}{2}$ lb., 50c; lb., 85c; 2 lbs., \$1.50; 5 lbs., \$3.50.

POLE

Packet plants, 15 hills; lb., 100 hills.

B-24 KING OF THE GARDEN. 88 Days. Outstanding pole lima for heavy production and climbing ability. Numerous large pods filled with 5 to 6 large beans of excellent quality. Pkt., 15c; $\frac{1}{2}$ lb., 50c; lb., 85c; 2 lbs., \$1.50; 5 lbs., \$3.50.

Edible Soy Beans



Soy Beans have proteins, 36.5%; fats, 17.5%; compared with Navy Beans' proteins, 22.7%; fats, 1.5%. They are esteemed highly as a food for diabetics.

B-3 BANSEI. 90 Days. Most recommended for northern districts. Pods turn from a pale green to a pale greenish yellow. Pkt., 15c; $\frac{1}{2}$ lb., 40c; 1 lb., 65c; 2 lbs., 95c

Improved germination and vigor of growth in beans is induced by inoculating the seeds with Nitrugin. Garden size 25c, sufficient to treat 5 lbs. of peas, beans, lima beans and sweet peas. Easy to apply.



Green Broccoli

BROCCOLI is far richer in vitamins than white cauliflower, which it resembles in flavor. It is also a much easier subject for the amateur than cauliflower, and has a much longer harvest. It survives light frosts and produces well in the cool autumn weather.

Sow outdoors with earliest crops, transplant or thin out 18 inches to 2 feet apart. Protect from aphids and cabbage worms. After center heads are cut, each branch will produce a head, harvest lasting until killing frost.

B-96 DE CICCIO. 60 Days. The earliest strain of broccoli available. It matures about 10 days earlier than the regular, which permits a partial harvest before the hot weather slows growth. Pkt., 20c; $\frac{1}{2}$ oz., 45c; oz., 85c; $\frac{1}{4}$ lb., \$2.50

B-95 ITALIAN GREEN SPROUTING. 70 Days. An outstanding strain that is highly recommended for freezing. After its large center heads are harvested, smaller heads 2 inches in diameter form at the end of lateral branches. Pkt., 15c; $\frac{1}{2}$ oz., 35c; oz., 65c; $\frac{1}{4}$ lb., \$1.65

Brussels Sprouts

BRUSSELS SPROUTS are miniature cabbages formed on a plant stalk. The delicate flavor is improved by a touch of frost and it is usually a fall crop, sown in June.

B-100 CATSKILL. 90 Days. Plant dwarf and compact; 20 inches tall; very uniform; stem well covered with firm round, cabbage-like sprouts of 1 $\frac{1}{4}$ to 1 $\frac{1}{2}$ inches in diameter which mature in succession. Pkt., 20c; $\frac{1}{2}$ oz., 60c; 1 oz., \$1.10.

B-99 LONG ISLAND IMPROVED. 90 Days. Plant dwarf and compact; 20 in. tall; very uniform; stem well covered with firm, round cabbage-like balls of 1 $\frac{1}{4}$ -1 $\frac{1}{2}$ in. diameter which mature in succession. Pkt., 15c; $\frac{1}{2}$ oz., 50c; oz., 95c



BRUSSELS SPROUTS

Table Quality Beets



B-77 BEET PERFECTED DETROIT. Pkt., 15c; ½ oz., 25c

QUALITY in beets is measured by an even, globular shape, uniformity in size, bright, even color, flavor, fine texture and tenderness. Here, as with all vegetables, the difference between a fine and a mediocre strain of one variety may be as great as between different varieties.

Our best seed is grown only from transplanted roots, which are taken up in the fall, carefully graded, and transplanted again to produce seed. Only beets which conform to the highest quality standards are planted for seed.

All beets keep well in winter when properly stored. A special sowing should be made in midsummer to produce the storage crop.

As soon as soil can be worked in the spring, sow one seed to the inch, in drill half inch deep. Firm soil well over seed and water well if required. Thin when roots begin to make globes, to stand 4 inches apart in row. Cook discards with their tops.

Quantity needed to sow: 15 ft. row, 1 pkt.; 60 ft. row, 1 oz.; acre, 7 lbs. (Rows 18 in. apart).

B-78 FIRE BALL. 55 Days. A dark blood red beet that is almost completely free of zonation. A very nice sort for an early planting. The roots are a smooth globe shape like Detroit but do not grow as large. Pkt., 25c; ½ oz., 35c; oz., 55c; ¼ lb., \$1.25

B-77 PERFECTED DETROIT. 55 Days. In this improved strain of Detroit Dark Red the fine qualities which have made that variety standard for main crop sowing have been strengthened by careful breeding. It is earlier and almost spherical in shape. The tops are taller than Regular Detroit and the leaves are green tinged with red. Pkt., 15c; ½ oz., 25c; oz., 40c; ¼ lb., 95c

B-76 DETROIT DARK RED. 55 Days. A strikingly uniform strain producing a very smooth globe shaped root of a very dark red inside and out. Tops are intermediate in height, uniform, refined, dark green becoming tinged with red. It is sweet and remains tender until maturity. Pkt., 15c; ½ oz., 25c; oz., 40c; ¼ lb., 95c

B-75 CROSBY'S EGYPTIAN. 50 Days. This early variety has long been a home garden favorite. It is exceptionally tender and sweet, of a deep red with some light zoning, and fine texture. Tops are of medium size and the roots of a flattened globe shape, excellent in table quality. Pkt., 15c; ½ oz., 25c; oz., 40c; ¼ lb., 95c

B-82 LONG DARK BLOOD. 75 Days. Roots long, smooth, dark red, tapering to a point, 7 in. long, remaining tender in storage. A fine winter keeper that is superior for pickles. Pkt., 15c; ½ oz., 25c; oz., 40c; ¼ lb., 95c

B-79 LONG SEASON (Winter Keeper). 75 Days. A home garden favorite, tender and sweet at any stage of growth, and keeps all winter. Perhaps best table quality variety. Matures slowly. Pkt., 25c; ½ oz., 35c; oz., 55c; ¼ lb., \$1.25

B-80 GREEN TOP BUNCHING. 55 Days. An early extremely attractive bunching beet that we recommend as a top all purpose beet. Tops medium. Roots round, smooth and glossy, slightly flattened when fully mature; flesh bright blood red. Pkt., 15c; ½ oz., 25c; oz., 40c; ¼ lb., 95c

B-81 IMPROVED EARLY EGYPTIAN. 45 Days. The best variety for forcing and first early crop. Roots are very dark red, rounded on top, flat beneath, small tops. Pkt., 15c; ½ oz., 25c; oz., 40c; ¼ lb., 95c

Sugar Beets

B-93 KLEIN-WANZLEBEN. 100 Days. The most desirable beet for sugar manufacture; valuable also for stock feeding. Roots medium large and good keeper. Pkt., 15c; oz., 30c; ¼ lb., 75c; ½ lb., \$1.25

Mangel Wurzel

MANGELS are an excellent crop for a source of feed for dairy and poultry farms. Both Mangel and Sugar Beet seed are in great demand for planting in Europe. Our types are equally suited for European and home production. Sow in May or June, 6 lbs. to the acre, in rows 2 feet apart, and thin to nine inches.

B-89 MAMMOTH LONG RED. 110 Days. Largest and heaviest cropper of long red sort. Light red, flesh white tinged with rose. Pkt., 15c; oz., 30c; ¼ lb., 75c; ½ lb., \$1.25



C-99 COLLARD GEORGIA. Pkt., 15c; oz., 35c

Collards

THIS is a relative of the cabbage which produces green leaves of cabbage flavor, and having a much higher vitamin content. It produces edible leaves in 45 days. In the south collards are extensively grown instead of cabbage. In northern home gardens they will supply a larger quantity of edible leaves than cabbage for the space occupied.

C-100 GEORGIA. 75 Days. Non heading and very generally grown for greens in the south. Plant 2-3 feet tall, erect, spreading. Pkt., 15c; oz., 35c; ¼ lb., \$1.05

ALL ABOUT HOUSE PLANTS. By Montague Free. All About House Plants gives full information on what to grow and how to grow it. Whether you are interested merely in a pot or two of flowering plants on the window sill or an elaborate indoor garden of many species, this volume will tell you what to select to suit your particular needs and conditions, and how to develop its full possibilities.

17 pages of full-color illustrations, 32 pages of halftones, and many linecuts.

304 pages. Price \$4.15 postpaid.



EASY BLANCHING FULL HEART. Pkt., 20c

Celery

START the seed indoors and set the plants out around the middle of June. Eight inches apart for the early kinds and a foot for the winter varieties. Do not work over the plants when they are wet with dew or rain.

Quantity needed for 400 to 500 plants, 1 pkt.; 8,000 plants, 1 oz.

GREEN

C-72 EASY BLANCHING FULL HEART. 110 Days. An early variety of erect, compact growth, blanching easily. Stalk is medium large and solid, crisp with no fiber and excellent flavor. Good winter keeper. Recommended for early storage for hearts. A very fine home garden type. Pkt., 20c; ½ oz., 65c; oz., \$1.00

C-86 SUMMER PASCAL. 120 Days. One of the most popular green varieties, used without bleaching. Recommended for home and nearby markets, but is too tender and brittle to stand long distance shipping. Resistant to blight. Stalks are long, solid, crisp, stringless and of excellent quality. Pkt., 20c; ½ oz., 65c; oz., \$1.00

C-80 UTAH PASCAL. (Salt Lake). 125 Days. A green variety recommended for fall use, maturing earlier than Giant Pascal. Stems thick, solid, broad rounded and of fine quality. Pkt., 20c; ½ oz., 65c; oz., \$1.00

C-74 GIANT PASCAL. 135 Days. A tall late green celery of excellent quality. Leaf stalks round, thick and solid. A very fine variety for fall and winter use. Pkt., 20c; ½ oz., 65c; oz., \$1.00

YELLOW

C-79 MICHIGAN GOLDEN. 100 Days. Developed at Michigan State Agricultural College, resistant to "Fusarium Yellows," bred from the tall strain of Golden Self-Blanching. Pkt., 35c; ½ oz., \$2.00; oz., \$3.50

GOLDEN SELF BLANCHING. 115 Days. Dwarf bunches with broad, heavy stalks, blanch into a rich, appetizing, golden yellow. Though the stalks are heavier than white varieties, its sweetness, tender crispness, delicious flavor and absence of strings make it a favorite. The French originators of this type have introduced a re-selected strain earlier and stronger growing than the older type.

C-78 TALL STRAIN. Pkt., 20c; ½ oz., 85c; oz., \$1.50

C-77 DWARF STRAIN. Pkt., 20c; ½ oz., 85c; oz., \$1.50

C-76 GOLDEN PLUME. A selection from or a cross with the Golden Self-Blanching, it is more vigorous and withstands heat and blight better. It is a beautiful gold in color, brittle and of the highest table quality. Pkt., 20c; ½ oz., 85c; oz., \$1.50

Yellows Resistant and Standard Cabbage

WHEREVER the temperature of the soil rises to 85 degrees and remains for several days, there is danger of the yellows disease, and when it strikes, a crop failure may result.

In the great cabbage growing district centering around Racine and Kenosha, Wisconsin, an industry has been saved by developing strains of cabbage resistant to yellows. We offer seed of these strains, which have been developed by years of scientific work, and actual growing tests. The uniformity and yield of resistant strains have greatly improved. We recommend their use wherever danger of yellows may exist. If the disease strikes, resistant strains will show slight loss, where non-resistant types would probably be destroyed.

Cabbage Culture: After frost proof date, set out plants for early crop. Late varieties may be sown outdoors in June. Space small early types 12 inches apart, medium 18 inches, large late 2 feet. Water well and protect from worms and aphids.

HYBRID CABBAGE

C-18 O-S CROSS. 70 Days. Honorable Mention All America trials 1951. This first F1 hybrid cabbage to be introduced was bred by a method requiring no hand pollination. Its chief merits are huge size, high quality and extreme vigor. The heads weigh up to 10 pounds, are solid, low growing, short stemmed, with bluish outer leaves and a light green interior. Pkt., 35c

Yellows Resistant Varieties

C-13 EARLY RESISTANT DETROIT. (A Golden Acre Type). 63 Days. An excellent round head resistant early cabbage. It will produce good crops on "yellow" sick soil where regular Golden Acre cannot do well and is only a couple of days later. Pkt., 15c; ½ oz., 50c; oz., 90c; ¼ lb., \$2.60

C-1 BUGNER. 100 Days. [V]A winter variety most popular in the Chicago area. Our strain has been selected for resistant qualities many years. Pkt., 15c; ½ oz., 65c; oz., 1.15; ¼ lb., \$3.25

C-10 GLOBE. 75 Days. [V]A resistant Glory of Enkhousen of excellent flavor. You who think that there is no difference in the flavor of cabbage, should compare a mature Globe with any other. Pkt., 15c; ½ oz., 50c; oz., 90c; ¼ lb., \$2.60



C-15 CABBAGE JERSEY QUEEN

C-15 JERSEY QUEEN. 60 Days. [V]As near a true Jersey Wakefield as is possible to select in type and earliness. Exceptionally resistant to yellows. One of the earliest resistant strains to mature and is recommended to the home gardener. Pkt., 15c; ½ oz., 50c; oz., 90c; ¼ lb., \$2.60

C-16 MARION MARKET. 75 Days. Yellows resistant strain of Copenhagen Market. Larger and coarser in plant and not so early or uniform but with the round head and crisp tenderness of the parent cabbage. Will produce a normal crop on yellows infested soil. Pkt., 15c; ½ oz., 50c; oz., 90c; ¼ lb., \$2.60

C-24 WISCONSIN ALL HEAD EARLY. 80 Days. This is a midseason resistant variety which will stand for a long time without bursting and is nearly 100% resistant. Pkt., 15c; ½ oz., 50c; oz., 90c; ¼ lb., \$2.60

C-25 WISCONSIN ALL SEASONS. 90 Days. Either a kraut or home variety, but is used more for kraut than any other purpose. Pkt., 15c; ½ oz., 50c; oz., 90c; ¼ lb., \$2.60

C-28 WISCONSIN BALLHEAD. 100 Days. A highly perfected strain of yellows-resistant cabbage. A good keeper, of finer texture and matures earlier than Wisconsin No. 8. Pkt., 15c; ½ oz., 50c; oz., 90c; ¼ lb., \$2.60

C-5 WISCONSIN COPENHAGEN. 68 Days. A new introduction of a resistant Copenhagen strain that bears large heads early with a lighter color than Racine Market. This variety will also stand in the field a long time without bursting. Pkt., 15c; ½ oz., 50c; oz., 90c; ¼ lb., \$2.60



C-18 O-S HYBRID CABBAGE. Pkt., 35c

C-30 RACINE MARKET. 64 Days. [V]Large, round headed uniform cabbage of Golden Acre type with characteristic blue green color. Will remain in field longer than other early cabbage without splitting. Pkt., 15c; ½ oz., 50c; oz., 90c; ¼ lb., \$2.60

STANDARD CABBAGES

C-11 GOLDEN ACRE. 60 Days. The earliest round headed cabbage, especially valuable to the market gardener for early shipping. The plants are small and compact allowing close setting; the stem short and heads uniformly round and firm. Pkt., 20c; ½ oz., 40c; oz., 70c; ¼ lb., \$2.00

C-4 COPENHAGEN MARKET EXTRA EARLY. 65 Days. Earliest of the large heading cabbages, maturing even before the conical types, this select strain is of unique value both to home and market growers. Pkt., 15c; ½ oz., 40c; oz., 70c; ¼ lb., \$2.00

C-9 EARLY JERSEY WAKEFIELD. 62 Days. This extra early conical shaped head cabbage is a specialty with us. The heads are hard, the outside leaves small, so that close planting is possible. Pkt., 15c; ½ oz., 40c; oz., 70c; ¼ lb., \$2.00

C-6 DANISH BALLHEAD SHORT STEM. (Dwarf Amager). 105 Days. Heads large, flattened globe shape; very firm and solid; keep very well in storage. Pkt., 15c; ½ oz., 40c; oz., 70c; ¼ lb., \$2.00

C-23 PREMIUM FLAT DUTCH. 110 Days. Seed may be sown in the open ground and plants raised without the use of hotbeds. Pkt., 15c; ½ oz., 40c; oz., 70c; ¼ lb., \$2.00

Here's Table Quality in Cabbage

C-3 CHIEFTAIN SAVOY. 88 Days. You seldom see it in the markets, but friends who know European cooking will tell you how delicious Savoy Cabbage tastes, stuffed with sausage, or cooked in other ways. The flavor is more delicate than white cabbage, but does not keep as well. Pkt., 15c; ½ oz., 45c; oz., 75c; ¼ lb., \$2.25



FIELD OF YELLOWS RESISTANT BUGNER CABBAGE

Red Cabbage Valued for Distinctive Flavor

C-14 RED ACRE. 75 Days. [V]An early, round head, very hard, 6 inches through, weighing 4 lbs. One of the earliest reds of quality. Pkt., 15c; ½ oz., 45c; oz., 75c; ¼ lb., \$2.25

C-17 MAMMOTH ROCK RED. (Long Island Strain). 100 Days. The hardest and largest heading red cabbage. Round, very solid and of a deep red color, often weighing up to 12 pounds each. Pkt., 15c; ½ oz., 45c; oz., 75c; ¼ lb., \$2.25

C-22 RED YELLOWS RESISTANT. 100 Days. Not as large as Mammoth Rock Red, but darker and more uniform color. Pkt. 25c; ½ oz. 65c; oz. \$1.15; 4 oz. \$3.25



PAOTING. Pkt., 15c

MICHIHLI. Pkt., 15c

Chinese Cabbage

Quantity needed for 30 ft., 1 pkt.; 200 ft., 1 oz.

C-26 CELERY CABBAGE MICHIHLI. 70 Days. From seed sown in late June or early July it produces slender, tight heads 6x18 inches, bleached in center with tips green. Makes delicious salad raw and has delicate cabbage flavor cooked without odor. Pkt., 15c; ½ oz., 40c; oz., 70c; ¼ lb., \$2.00

C-19 CELERY CABBAGE PAOTING. 80 Days. Genuine "Wong Bok" type. Will mature firm heads through the summer months. It has produced heads weighing 15 pounds and stands long before going to seed. It is the largest of the Chinese Cabbages. Pkt., 15c; ½ oz., 40c; oz., 70c; ¼ lb., \$2.00

Celeriac TURNIP ROOTED CELERY

COOKED and prepared as a salad, or used to flavor meats, it has a rich celery flavor. The roots keep well in winter. Recipes for preparing enclosed upon request.

C-84 LARGE SMOOTH PRAGUE. About 110 Days. A main crop variety. Pkt., 15c; ½ oz., 50c; oz., 85c; ¼ lb., \$2.75



C-108. HYBRID SWEET CORN GOLDEN CROSS BANTAM,
Pkt., 20c; ½ lb., 55c; lb., 95c.

Newest Sweet Corn Hybrids

HYBRID sweet corn excels in three ways: Heavier yield, more even maturity, and resistance to Stewart's disease, and other troubles. Any open pollinated corn will mature unevenly and give edible ears from one planting over a longer period, which some may prefer. Our list has been revised to offer the best of both hybrid and open pollinated types, as proved in our trials.

A packet plants 40 hills; a pound, 400 hills; 12 lbs., an acre.

Sow two weeks before frost proof date, seeds two inches deep, three inches apart; to be thinned out to six inches; or six seeds to a hill, 2 to 3 feet apart according to variety's height, thinning to three plants per hill. Time succession sowings, two weeks apart.

HYBRID

- C-109 Honey.** 80 days. New hybrid bred for home gardeners, supreme in tenderness and flavor. Grows 5 ft. stalks, 12 row ears, 7x1½ inches. Illustrated on Page 7. Pkt., 25c; ½ lb., 60c; lb., \$1.10; 2 lbs., \$2.10.
- C-128 GOLDEN BEAUTY.** 68 days. Silver Medal All America winner 1955. A large eared early yellow. Pkt., 25c; ½ lb., 60c; lb., \$1.10; 2 lbs., \$2.10; 5 lbs., \$5.00
- C-101 BOUQUET.** 75 days. A hybrid variety excelling in tenderness and flavor. Much sweeter than earlier varieties. A vigorous grower, disease resistant, esteemed by many as the best. Pkt., 25c; ½ lb., 60c; lb., \$1.10; 2 lbs., \$2.10; 5 lbs., \$5.00
- C-111 IOCHIEF.** 83 Days. All America winner 1951. A fine home garden late variety that is suited to freezing or canning. Pkt., 20c; ½ lb., 55c; lb., \$1.00; 2 lbs., \$1.90; 5 lbs., \$4.50
- C-108 GOLDEN CROSS BANTAM.** 79 Days. Being equivalent in both season and quality to Golden Bantam, this continues to be the favorite hybrid variety among home gardeners. It excels in sweetness and tenderness, with a larger ear and more vigorous growth than Golden Bantam. The ear measures 7½ to 8 inches and has 12 to 14 rows of kernels. Pkt., 20c; ½ lb., 55c; lb., 95c; 2 lbs., \$1.80; 5 lbs., \$4.25
- C-118 GOLDEN HARVEST.** 82 Days. A new variety similar to Golden Cross with the improved white inner silk. Pkt., 25c; ½ lb., 60c; lb., \$1.10; 2 lbs., \$2.10; 5 lbs., \$5.00
- C-122 SURPRISE.** Improved Spangcross, 64 Days. 10 to 12 rows, golden yellow, ears 6 to 6½ inches. Stalks 57 to 60 inches tall and bear the ears 12 inches from the ground. This is the first early corn of good quality to mature. Pkt., 15c; ½ lb., 50c; lb., 90c; 2 lbs., \$1.70; 5 lbs., \$4.00

FOR HARVEST ALL SUMMER SOW

OUR NEW HYBRID SWEET CORN TEAM

FOR 1957 we have selected four outstanding hybrids as follows: Golden Beauty—68 Days, Silver All America Winner for 1955. Bouquet—75 Days an exceptionally sweet and tender hybrid. Golden Cross—79 days. Ioana—81 days. Productive variety, highly resistant to drought and wilt. Plant all four at the same time to insure an all season harvest. 2 oz. of each variety in separate packets totaling ½ lb. (Value 85c).

- C-127 GOLDEN ROCKET.** 65 Days. A fine very early sweet corn. Eight inch ears with 12 rows of kernels that are borne on 6 ft. stalks. Pkt., 15c; ½ lb., 50c; lb., 90c; 2 lbs., \$1.70; 5 lbs., \$4.00
- C-119 OUR CHOICE.** 68 Days. This variety has been our most popular early for several years and has a flavor of the highest quality. It is heavy yielding, with a good size 10-14 row ear. Pkt., 15c; ½ lb., 50c; lb., 90c; 2 lbs., \$1.70; 5 lbs., \$4.00
- C-116 LEE.** 73 Days. A second early, bearing large ears, very sweet and heavy yielding. Pkt., 15c; ½ lb., 50c; lb., 90c; 2 lbs., \$1.70; 5 lbs., \$4.00
- C-129 IMPROVED CARMELCROSS.** 75 Days. A recent introduction that has become the most popular of the second earlies or the early corns that bear large ears. Some claim this variety has the finest flavor of all. A definite improvement over the old Marcross 39. Pkt., 15c; ½ lb., 50c; lb., 90c; 2 lbs., \$1.70; 5 lbs., \$4.00
- C-115 IOANA.** 81 Days. Productive variety, highly resistant to drought and wilt. Ears 7½ to 8 inches long, 12-14 rowed. Pkt., 15c; ½ lb., 50c; lb., 90c; 2 lbs., \$1.70; 5 lbs., \$4.00
- C-103 COUNTRY GENTLEMAN HYBRID.** 99 Days. Like Country Gentleman except heavy yielder. Set solid with irregular rows of kernels. These are white, shoe-peg form, very deep; sweet and tender. Pkt., 15c; ½ lb., 55c; lb., 95c; 2 lbs., \$1.80; 5 lbs., \$4.25
- C-121 STOWELLS HYBRID.** A large stalked late white. Pkt., 15c; ½ lb., 55c; lb., 95c; 2 lbs., \$1.80; 5 lbs., \$4.25
- C-126 CREAM-O-GOLD.** 85 Days. Cream-O-Gold has excellent table quality and is ideally suited to quick freezing. The cob is not much thicker than a lead pencil so that the kernels are extra deep. Pkt., 25c; ½ lb., 60c; 1 lb., \$1.10; 2 lbs., \$2.10



MIDGET CORN FOR SMALL GARDENS

- C-125 GOLDEN MIDGET HYBRID.** 68 Days. A tender hybrid for the small home garden. Pkt., 35c; ½ lb., 75c; 1 lb., \$1.35

POP CORN

- C-135 ILLINOIS HULLESS.** 100 Days. The finest quality pop corn available. The kernels pop to over 35 times their original size and are a snowy white color completely without hulls.
SEED PROCESSED FOR SEEDING. Pkt., 25c; ½ lb., 50c; lb., 90c; 2 lbs., \$1.65; 5 lbs., \$4.25
SEED PROCESSED FOR POPPING. ½ lb., 40c; lb., 65c; 2 lbs., \$1.15; 5 lbs., \$2.85
- C-138 SOUTH AMERICAN.** 110 Days. Usually 2 ears to a stalk. Large yellow kernels, 12 to 14 row ear, 6 to 7 inches long, pops to enormous size, no hard center. Pkt., 15c; ½ lb., 35c; lb., 60c; 5 lbs., \$2.50
- C-139 SOUTH AMERICAN HYBRID.** Pkt., 25c; ½ lb., 65c; lb., \$1.20; 2 lbs., \$2.20; 5 lbs., \$5.25.
- C-141 WHITE RICE.** Pkt., 15c; ½ lb., 35c; lb., 60c; 5 lbs., \$2.50
- C-136 JAPANESE HULLESS.** Pkt., 15c; ½ lb., 35c; lb., 60c; 5 lbs., \$2.50
- C-137 JAPANESE HULLESS HYBRID.** Pkt., 25c; ½ lb., 65c; lb., \$1.20; 2 lbs., \$2.20; 5 lbs., \$5.25

NON-HYBRID

- C-106 EXTRA EARLY GOLDEN BANTAM.** 78 Days. An 8-row Golden Bantam that matures about a week earlier than our standard strain. Pkt., 15c; ½ lb., 35c; lb., 60c; 2 lbs., \$1.10; 5 lbs., \$2.50
- C-114 IMPROVED GOLDEN BANTAM.** 85 Days. 10 to 14-row Golden Bantam, larger, yet equal in quality to the regular 8-row type. Pkt., 15c; ½ lb., 35c; lb., 60c; 2 lbs., \$1.10; 5 lbs., \$2.50
- C-107 GOLDEN BANTAM.** 83 Days. The tender sweetness of an ear of true Golden Bantam, picked just after it turns yellow and served in half an hour has never been excelled. To maintain this supreme quality, however, requires constant vigilance. We offer the finest obtainable. Pkt., 15c; ½ lb., 35c; lb., 60c; 2 lbs., \$1.10; 5 lbs., \$2.50
- C-105 EARLY GOLDEN SWEET.** Matures in about 68 Days. A Golden Bantam type that comes 12 days earlier than Golden Bantam. Pkt., 15c; ½ lb., 35c; lb., 60c; 2 lbs., \$1.10; 5 lbs., \$2.50
- C-124 BANTAM EVERGREEN.** 90 Days. A product of Golden Bantam crossed with Stowell's Evergreen. It has retained much of the quality of Bantam and has the size and tender skin of Evergreen. Pkt., 15c; ½ lb., 35c; lb., 60c; 2 lbs., \$1.10; 5 lbs., \$2.50
- C-112 GOLDEN 60 DAY.** 68 Days. It is bred from 60-Day White crossed with Golden Bantam. Pkt., 15c; ½ lb., 35c; lb., 60c; 2 lbs., \$1.10; 5 lbs., \$2.50
- C-123 BLACK MEXICAN.** 85 Days. Selected for high sugar qualities. Ears 8 rowed, 8 inches long. Pkt., 15c; ½ lb., 35c; lb., 60c; 2 lbs., \$1.10; 5 lbs., \$2.50.

NON-HYBRID WHITE

- C-102 COUNTRY GENTLEMAN.** About 95 Days. Kernels crowded together on the cob. Deliciously tender and sweet. Pkt., 15c; ½ lb., 35c; lb., 60c; 2 lbs., \$1.10; 5 lbs., \$2.50
- C-120 STOWELL'S EVERGREEN.** 95 Days. The standard main crop variety. The stalks grow 7 to 8 feet high, and bear ears 8 inches long, with 16 or more rows. Pkt., 15c; ½ lb., 35c; lb., 60c; 2 lbs., \$1.10; 5 lbs., \$2.50

- C-110 GOLDEN MIDGET.** 70 Days. On stalks 2½ to 3 ft. tall this dwarf sweet corn bears ears which are unsurpassed for flavor. Pkt., (2 oz.), 25c; ½ lb., 60c; 1 lb., \$1.10

Cantaloupe

IN NO other crop does quality respond more quickly to careful breeding. Our special strains are selected for size, color, flavor and thick flesh.

Remember, muskmelons must ripen on the vine. Except the Honey Dew, they do not improve after picking.

Quantity needed for 20 hills, 1 pkt.; 100 hills, 1 oz.



WILT RESISTANT MELON, IROQUOIS. Pkt., 25c

Orange Fleshed Varieties

M-16 PENNSWEET: 70 days. This early muskmelon was awarded an All America Bronze Medal for 1955. Very early, small sized fruits notable for thick sweet yellow flesh with small seed cavity, are produced in abundance. Highly suitable for short season northern areas. Pkt., 25c; oz., 75c; ¼ lh. \$1.50; lh. \$5.00.

M-17 PRIDE OF WISCONSIN. 85 days. Similar in size and shape to Honey Rock. Oval in shape with tough, heavily netted rind and flesh deep orange and very thick, sweet and of excellent quality. Pkt., 15c; oz., 45c; ¼ lh., \$1.35

M-13 MILWAUKEE MARKET. 80 Days. Large, averaging 8 inches in diameter, with a small seed cavity and thick salmon flesh, this has the sweetest, most delicious flavor and the finest texture of any we know. It does not stand shipping. Its original quality has been increased by breeding from hand-cut, inspected melons. Pkt., 15c; oz., 45c; ¼ lh., \$1.35

M-12 HONEY ROCK (or Sugar Rock). 85 Days. A wonderfully sweet melon with thick orange flesh and a distinctive flavor suggesting the Honey Dew taste. It produces heavily and is one of the earliest quality varieties. Oval fruits of medium shape, an excellent home garden variety. Pkt., 15c; oz., 45c; ¼ lh., \$1.35

M-6 BENDER'S SURPRISE. (Delicious) 85 Days. Large thick fleshed, heavily netted. Its flavor is wonderfully sweet, with almost no stringiness. Grows well in heavy soils. Pkt., 15c; oz., 45c; ¼ lh., \$1.35

M-14 IROQUOIS. 90 Days. Developed by Cornell University with definite resistance to Fusarium wilt. Fruits are round to oval, about 6½ inches in diameter with permanent ribs and good netting. The rind is tough and holds up well. Flesh is deep orange color, of fine texture and excellent quality. Skin creamy green at maturity. Pkt., 25c; oz., 55c; ¼ lh., \$1.55

M-5 BANANA. 98 Days. Cucumber shape. Delicious odor. A novelty melon for the home garden. Pkt., 15c; oz., 45c; ¼ lh., \$1.35

M-10 HEARTS OF GOLD. 80 Days. For the home garden with heavy soil, this is a most delicious variety. It has a flavor all its own, and never surpassed. In size it is just right, 5 to 6 inches in diameter, almost a sphere, with small seed cavity, well netted with shallow sutures. Pkt., 15c; oz., 45c; ¼ lh., \$1.35

Green Fleshed Varieties

M-18 ROCKY FORD OR NETTED GEM. 95 Days. Flesh thick green, sweet, juicy and of good flavor. Fruits small, oval and show no ribbing, but covered with uniform netting. Pkt., 15c; oz., 45c; ¼ lh., \$1.35

M-11 HONEY DEW. 110 Days. Grown extensively in the warmer melon growing sections for local markets and distant shipping. Fruits broad and oval. Nearly white becoming creamy yellow; smooth with occasional net. Flesh thick, pale emerald green, sweet, juicy with honey like flavor. Stores well. Pkt., 15c; oz., 45c; ¼ lh., \$1.35



HYBRID DIXIE QUEEN. Pkt., 35c.

Watermelons That Ripen Early

WATERMELONS may be grown under favorable conditions in the north though they require a long season to mature and cannot be planted until the ground is warm. Soil such as will mature good muskmelons is needed, with plenty of hot weather, no lack of water, and rich feeding.

Quantity needed for 8 hills, 1 pkt.; 25 to 30 hills, 1 oz.

M-52 SUGAR BABY. 75 days. Somewhat larger than New Hampshire Midget, but small enough to fit into your refrigerator, averaging 8 inches in diameter, 8 to 10 lbs. Dark green, fewer seeds, and top rating for flavor. Pkt., 25c; ½ oz., 60c; Oz., \$1.00.

M-44 RHODE ISLAND RED. 79 Days. A delicious new ice box type of watermelon developed by Dr. Desmond Dolan of the Rhode Island Experiment Station for more northern areas. Extra sweetness, real watermelon flavor, earliness and ideal size are virtues of this cross between Dixie Queen and Honey Cream. Pkt., 35c; ½ oz., 50c; oz., 85c; ¼ lh., \$2.20

M-48 NEW HAMPSHIRE MIDGET. 75 Days. A small very early home garden All America 1950 winner. The fruit are light green with dark green mottling and striping. Pkt., 25c; oz., 60c; ¼ lh., \$1.75

M-50 CONGO WATERMELON. 90 Days. A new large anthracnose resistant melon. This green striped melon has a bright red flesh that is exceptionally sweet. Pkt., 15c; oz., 60c; ¼ lh., \$1.75

M-40 HYBRID DIXIE QUEEN. 82 Days. Similar to regular Dixie Queen only a true F1 hybrid. The fruit are unusually sweet. Pkt., 35c; ½ oz., \$1.10.

M-39 DIXIE QUEEN. 85 Days. A fine medium early home garden melon of excellent quality. Fruits round, light green striped with darker green. Rind thin but tough, flesh a deep red, crisp and sweet. The seeds are white. Pkt., 15c; oz., 45c; ¼ lh., \$1.25

M-49 STONE MOUNTAIN RESISTANT No. 5. 85 Days. A recently introduced wilt resistant melon of outstanding merit for home and market garden; fruits very large; broad, oval, almost round with blockie ends; dark green with indistinct veins; flesh bright red, crisp and sweet. Pkt., 15c; oz., 45c; ¼ lh., \$1.25

M-38 COLE'S EARLY. (Harris Earliest). 80 Days. The best extremely early variety; very popular in northern sections, fruits medium size; dark green stripes alternated with lighter; flesh bright red of good quality, seeds blackish. Pkt., 15c; oz., 45c; ¼ lh., \$1.25

M-41 FLORIDA GIANT (Black Diamond or Cannon-hall). 95 Days. Fruits very large, dark green, nearly round, flesh bright red, crisp and sweet. This is the most popular southern variety. Pkt., 15c; oz., 45c; ¼ lh., \$1.25

M-51 TOM WATSON. 92 Days. Fruits very large, oblong, cylindrical, symmetrical, flesh deep red, and sweet. Pkt., 15c; oz., 45c; ¼ lh., \$1.25

M-43 ICE BOX. 78 Days. It is desirable to have a melon that will go in the ice box without having to be cut. This round melon is about six inches in diameter, is early, hardy and of excellent flavor. Pkt., 15c; oz., 45c; ¼ lb., \$1.25

M-45 WILT RESISTANT KLECKLEY'S No 6. 85 Days. Large, dark green, oblong fruits often 22 inches long, flesh rich red, sweet and fine texture. Pkt., 15c; oz., 45c; ¼ lb., \$1.25

M-53 WINTER WATERMELON. 85 Days. Like Honey Dew in size and long-keeping qualities. Excellent flavor. Pkt., 15c; oz., 45c; ¼ lh., \$1.25

M-42 GOLDEN HONEY. 90 Days. Best yellow fleshed melon. Oblong, brown seed, flesh a sparkling gold, attractive and delicious. Rind dark green. Pkt., 15c; oz., 45c; ¼ lb., \$1.25

CITRON. 92 Days. For Preserves.

M-36 GREEN SEEDED. Pkt., 15c; oz., 45c; ¼ lb., \$1.25



Available from October to May

Mushrooms for home consumption can be grown in your cellar, without odor or disorder, in Magic Mushroom trays, which come filled with compost, and sown with spawn, ready to grow after you have soaked the soil.

Trays measure 15 by 17 inches. Mushrooms should mature in 3 to 4 weeks and continue to develop for two to four months. Four trays are recommended to supply the average family.

Compost which fills the tray is pasteurized and odorless. Shipping weight 15 lbs. without soil which you can supply from your garden.

Shipped with complete instructions, Prices, 3 trays, \$4.50; 6 or more, \$1.25 each, all shipments by express at purchaser's expense F.O.B. Ashtahula, O. and no trays will be shipped C.O.D.

PURE CULTURE IMPROVED VITA BOTTLE SPAWN

This spawn is made in glass jars under absolutely sterile conditions, so that every mould, weed seed or insect is destroyed and each bottle contains nothing but pure spawn. After the spawn is produced it is removed from the bottle intact and placed in a carton for shipment. One bottle equals 5 bricks of ordinary spawn and is sufficient for 40 square feet. Leaflet, "How to Grow Mushrooms" free with spawn.

Per carton.....\$1.50 5 cartons for\$7.00
If wanted by Parcel Post allow for postage at zone rate, weight about 1 lb. per carton.

PURE CULTURE IMPROVED VITA BRICK SPAWN

One brick will spawn 8 to 10 square feet and comes in pure white.
Per brick.....75c 5 bricks for.....\$3.50

If wanted by Parcel Post add postage at zone rate, weight about 1 lb. per brick.

THE NEW GREENHOUSE GARDENING FOR EVERYONE. By Ernest Chabot. It's amazingly easy to garden under glass when you are guided, step-by-step, by this expert's clear advice. He tells and shows you all about Location, Construction, Heating, Ventilating, Automatic Watering, Pest Control, etc. Tells how to start vegetables and seedlings ahead of the season; grow orchids, roses, snapdragons, mums, and hundreds of other plants. Sixty illustrations! 252 pages. \$4.75. \$4.95 postpaid.

Slender, Tender Carrots

Endive



C-51 CARROT, TOUCHON. Pkt., 20c

CARROTS have been improved in quality at the same time their value as a health food has been gaining wider recognition. In addition to color, size, shape, tops and season of maturity, our special strains are selected for sweetness, and the tenderness and even texture of the flesh, especially for a minimum of "core." Scientists say the brighter the color, the more Vitamin A in carrots.

Sow as soon as soil can be prepared, in shallow drills, 5 seeds to the inch. Thin out when of finger size, and serve discards. Carrots will mature well growing close enough to touch, and remain delicious all season; but many prefer them young, and make several sowings.

C-43 IMPERIDA. 77 Days. A very long slender root with a short strong top. The roots are a deep orange and from 7 to 8" long.
Pkt., 20c; ½ oz., 40c; oz., 70c; ¼ lb., \$1.95

C-49 SWEETHEART. 70 Days. A very fine strain of Nantes type. The top is short and the root is a bright orange with the least core of any variety grown. See page 7.
Pkt., 20c; ½ oz., 40c; oz., 70c ¼ lb., \$1.95

C-51 TOUCHON. 70 Days. From the time it is finger size and thinned out of the row in early spring, until it reaches full growth in the autumn, this variety excels in flavor, tenderness, even in yield, for home gardens. Its slender shape permits growing closer than thicker types and decreases the core which all carrots have even though you may not see it. Its flesh is fine grained, sweet and has bright orange coloring.
Pkt., 20c; ½ oz., 40c; oz., 70c; ¼ lb., \$1.95

C-48 RED HEART. (Red Core Chantenay). 70 Days. It has no visible core, but its rich red coloring is even throughout the flesh. The top is very strong, hence ideal for hunching. The root is of medium length, blunt, smooth and easily prepared for serving.
Pkt., 15c; ½ oz., 40c; oz., 70c; ¼ lb., \$1.95

C-50 TABLE QUEEN. 70 Days. Half-long type, rich red, tender, crisp and one of the sweetest we know.
Pkt., 15c; ½ oz., 40c; oz., 70c; ¼ lb., \$1.95

C-45 IMPROVED CHANTENAY. 75 Days. A strain of Early Chantenay which resembles the original type in most respects except that it averages 1½ to 2 inches longer and has sloping shoulders.
Pkt., 15c; ½ oz., 40c; oz., 70c; ¼ lb., \$1.95

Although carrots stand crowding in the row better than most plants they always need thinning out. If sown thinly, this can be done when the roots are as large as your little finger. At this stage they make a delicious dish.

C-47 NANTES HALF LONG SCARLET. 70 Days.

An early variety is not surpassed in tenderness and sweetness. The tops are small, the roots bright orange, smooth and cylindrical, 6 to 7 inches long. There is almost no core.

Pkt., 20c; ½ oz., 40c; oz., 70c; ¼ lb., \$1.95

C-42 GUERANDE OR OXHEART. 70 Days. Of rapid growth, often attaining a weight of ½ pound.

It has a good flavor and is tender. A second early.

Pkt., 15c; ½ oz., 40c; oz., 70c; ¼ lb., \$1.95

C-44 IMPERATOR. 77 Days. Has roots 7 to 8 inches long, slightly tapering and just enough top to hunch well.

Color is deep solid orange all through. It is prolific and of high quality, brittle, tender, sweet.

Pkt., 20c; ½ oz., 40c; oz., 70c; ¼ lb., \$1.95

CARROTS FOR STOCK

C-46 IMPROVED LONG ORANGE. 88 Days. A good keeper of fine quality for winter stock feeding.

Pkt., 15c; ½ oz., 40c; oz., 70c; ¼ lb., \$1.95

C-52 SELECT DANVERS. (Red Core). 75 Days. A half-long type, blunt point. Greater yield than any other.

Pkt., 15c; ½ oz., 40c; oz., 70c; ¼ lb., \$1.95



C-66 CAULIFLOWER IDEAL. Pkt., 50c

Early Cauliflower

HOME gardeners will find cauliflower not difficult where conditions are right. When plants are set out in late June or early July to mature in October, there is seldom any question of getting fine, large heads. Quantity needed for 150 plants, 1 pkt.; for 1,500 to 2,000 plants, 1 oz.

C-67 EARLY PURPLE HEAD CAULIFLOWER. 80 Days. A very large heading purple colored cauliflower that turns green when cooked. It resembles broccoli in flavor but is even more delicious.

It is perfect for quick freezing. Very easy to grow and from plants set out in June will begin to head in September.

Many people who do not care for ordinary cauliflower class this variety as one of their favorite vegetables.

It is not necessary to tie the plant leaves up as the heads are not bleached.

Pkt., 25c; ¼ oz., 95c; ½ oz., \$1.80; oz., \$3.00

C-66 IDEAL. 65 Days. All American winner 1949.

An excellent Swiss bred variety that appears adapted to almost any section. This variety possesses great vigor and is very sure to head.

Pkt., 50c; ¼ oz., \$1.50; ½ oz., \$2.85

C-65 VAUGHAN'S SELECT SNOWBALL. 55 Days.

Improved strain of our New Snowball, early, dwarf, compact, producing solid white heads which measure 9 to 10 inches across and have a perfectly white core. Its heads are more uniform in size, and there are more leaves for protection in bleaching.

Pkt., 40c; ¼ oz., \$1.25; ½ oz., \$2.25

C-64 VAUGHAN'S NEW SNOWBALL. 60 Days.

A well grown head measures 9 to 10 inches across, with depth in proportion, and a perfectly white core. Dwarf and compact in growth, though taller and slightly heavier yielding than Select.

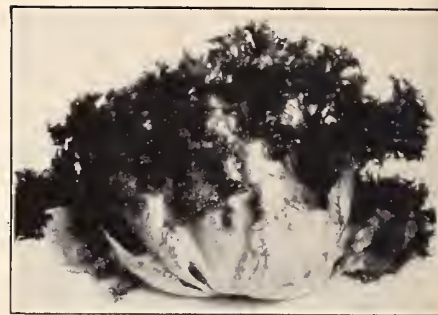
Pkt., 30c; ¼ oz., \$1.15; ½ oz., \$1.95

C-61 AUTUMN GIANT. 80 Days. A large heading late fall sort not recommended for northern districts.

Pkt., 25c; ¼ oz., 50c; ½ oz., \$1.00; oz., \$2.00

Cardoon

C-41 The main stalks are blanching like celery; used for salad or in soups.
Pkt., 15c; ½ oz., 65c; oz., \$1.25; ¼ lb., \$3.50



E-1 BROAD LEAVED BATAVIAN WHITE ESCAROLE. Pkt., 15c; oz., 35c; ¼ lb., 80c

E-1 BROAD LEAVED BATAVIAN WHITE ESCAROLE. (Florida Full Heart). 90 Days. Of the straight smooth leaf Batavian type, this variety has the largest number of heart leaves and the finest salad quality of any we have tried. It grows upright, resists drought.

Pkt., 15c; oz., 35c; ¼ lb., 80c

E-5 GREEN CURLED. 90 Days. Standard variety for fall and winter. When centers are blanched, it is most beautiful.

Pkt., 15c; oz., 35c; ¼ lb., 80c

E-6 MOSS CURLED. Pkt., 15c; oz., 35c; ¼ lb., 80c

E-7 ROSE RIBBED CURLED. In 95 Days. Has leaf ribs of red.

Pkt., 15c; oz., 35c; ¼ lb., 80c

Chicory

C-97 WITLOOF (French Endive). 150 Days. A European delicacy now standard in all best hotels and restaurants in the U. S. It is easily grown. Sow in spring; store parsnip-like roots in sand until wanted for growing on in winter; directions on packages.

Pkt., 15c; ½ oz., 40c; oz., 65c

C-96 LARGE ROOTED MAGDEBURG. 65 Days.

Roots may be cut in thick slices, roasted and used as a coffee substitute; in spring leaves make good salad.

Pkt., 15c; ½ oz., 40c; oz., 65c

C-95 ASPARAGUS CHICORY. 55 Days. Cultivated for its fresh green shoots, which are boiled in salt water and served hot or in cold salad. New sprouts continually spring from the base, to be harvested and enjoyed.

Pkt., 15c; ½ oz., 40c; oz., 65c

Chervil

C-93 CHERVIL. 70 Days. Similar to parsley, but of more delicate texture. Leaves bright rich green; finely divided and curled; pungent, aromatic; used for garnishing and flavoring.

Pkt., 15c; oz., 30c; ¼ lb., 75c

Chives

C-98 A perennial herb, a member of the onion family which every garden should grow. The slender, tubular leaves have a delicate onion flavor, just enough to season a green salad when the chopped-up leaves are used. Bears attractive flowers of a beautiful lavender.

Pkt., 15c; ½ oz., 45c; oz., 85c

Garlic Sets

G-2 SELECTED BAVARIAN. In about 110 Days.

Garlic is grown by planting the small hulks in rows, 4 inches apart in the row. Cover the hulks with one inch of soil. When the tops turn yellow, lift the hulks and dry in the shade. To keep for the winter, hang in strings in a dry basement.

Lb., 75c; 10 lbs., \$6.00. Postage extra. Write for latest market prices on quantities.

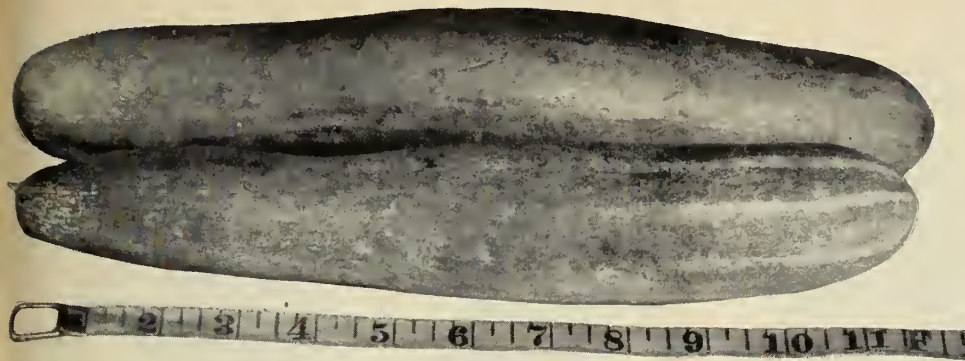
Horseradish Sets

HORSERADISH. The roots produce good radish, fit for use in one season's growth. Plant roots in trench, pressing small end down, and cover with 3 to 4 inches of soil. Raise the plant once in the early season, without disturbing the tap root end, and rub off all excess rootlets.

Doz., \$1.00; 100, \$5.50; 1,000, \$45.00

Home Garden Cucumbers

Garden Herbs



C-170 CUCUMBER MANDARIN. Pkt., 25c

TWO distinct types of cucumbers are bred to fill the need for large fruits suitable for slicing to serve in salads, and the smaller, uniform, prolific, pickling varieties. Our special strains in both types are grown with the greatest care to insure that all standards of quality are maintained in your crop. **Quantity needed for 20 hills, 1 pkt.; 80 hills, 1 oz.**

Sow in hills three to six feet apart; six seeds 1½ inches deep to a hill, thinned three plants. Protect small plants from beetles. Water when needed, and keep vines picked clean.

- C-175 STONO CUCUMBER.** 65 Days. A new dark green slicing cucumber bred by Dr. W. C. Barnes of the Clemson College Truck Experiment Station. Pkt., 25c; ½ oz., 55c; oz., \$1.00.
- C-174 THE VAUGHAN HYBRID.** 65 Days. A mosaic resistant long dark green and slender cucumber. Ideal for market or home. Pkt., 25c (30 seeds); ½ oz., \$2.75; oz., \$5.00
- C-171 MARKETER.** 65 Days. A variety of recent introduction producing very dark green, cylindrical fruits which taper slightly at ends. Fruits are about 8 inches long and 2½ inches in diameter. Pkt., 15c; oz., 45c; ¼ lb., \$1.25
- C-170 MANDARIN.** 45 Days. Earliest of all. One of the best cucumbers for the home garden. Has proved to be resistant to the blight, due to its Chinese ancestry. By letting the vines climb a trellis or fence, it bears for a long season; two plantings 20 days apart, will furnish the table with salad cucumbers all summer. Pkt., 25c; oz., \$1.00; ¼ lb., \$3.00
- C-160 A & C (Colorado).** 68 Days. A long, slender, dark green cucumber of excellent shape and intense dark color. Fruit is inclined to taper, especially at stem end. Pkt., 15c; oz., 45c; ¼ lb., \$1.25

- C-161 CUCUMBER SMOOTHIE.** See Novelty Page 7.
- C-162 DAVIS PERFECT.** 65 Days. Fine length, slim, dark green and crisp. The best blight resister of long sorts. Pkt., 15c; oz., 45c; ¼ lb., \$1.25
- C-180 THE VAUGHAN.** 74 Days. The largest of outdoor cucumbers, it is also of first table quality. Compared to other Long, White Spine varieties, it is much darker in color, more uniform in shape and size, thinner and more prolific. It is the ideal American forcing variety, as well as an outdoor sort. Pkt., 15c; oz., 45c; ¼ lb., \$1.25
- C-179 STRAIGHT EIGHT.** 62 Days. A white spine which produces a high percentage of fruits perfectly straight and 8 or more inches long. Pkt., 15c; oz., 45c; ¼ lb., \$1.25
- C-172 MINCU.** 45 Days. Its fruits averaging 4½ inches long by 2 inches in diameter are suitable both for salad slicing and pickling. It bears from 8 to 10 fruits within a foot of the hill. Pkt., 15c; oz., 45c; ¼ lb., \$1.25
- C-181 ARLINGTON WHITE SPINE.** 62 Days. A heavy yielder, symmetrical, straight, 7 to 10 inches long. A great favorite in the south. Pkt., 15c; oz., 45c; ¼ lb., \$1.25



SWEET MARJORAM. Pkt., 25c.

- H-20 MIXTURE OF ANNUAL HERB SEEDS.** Pkt., 35c. This is intended to meet the needs of those who want to grow a row or bed of herbs without sowing a full packet of each variety. It will contain all available varieties of useful annual herbs. Sow in a nursery row, or seed box and transplant to a row or border in the garden.
- H-21 MIXTURE OF PERENNIAL HERB SEEDS.** Pkt., 35c. For small gardens this will give enough plants of assorted varieties to supply the family needs, without the expense of purchasing a packet each. Sow in a nursery row and transplant in the fall to a permanent location.
- H-1 ANISE.** Used for garnishing, seasoning and for cordials. Pkt., 25c; ½ oz., 60c; oz., \$1.10
- H-17 BASIL, SWEET, LARGE LEAVED.** The leaves are used for flavoring soups and stews and tomato juice. The flavor of the leaves is spicy and it is desirable for salads and dishes containing tomato and cheese, egg plant, squash, carrots, peas, meat and especially for meat substitutes, including beans and fish. Pkt., 20c; ½ oz., 60c; oz., \$1.10
- H-3 BORAGE.** Flowers excellent for bees. Leaves used in salads. The flower spikes can be used in cooling drinks. Pkt., 25c; ½ oz., 65c; oz., \$1.20
- H-4 CARAWAY.** Seeds are used for flavoring bread, pastry, meats, etc. Pkt., 25c; ½ oz., 50c; oz., 90c
- H-5 CATNIP.** Grown for bee pasture. The leaves and young shoots are used for seasoning. Pkt., 25c; ½ oz., 70c; oz., \$1.35
- H-7 CORIANDER.** The seeds are used for flavoring. Pkt., 25c; ½ oz., 50c; oz., 95c
- H-8 DILL.** Leaves are used in pickles and for flavoring soups and sauces, and to be sprinkled over meats. Pkt., 15c; oz., 30c; ¼ lb., 90c
- H-12 LAVENDER VERA OR TRUE.** The best. Pkt., 25c; ½ oz., \$1.50; oz., \$2.75
- H-13 ROSEMARY.** The fragrant leaves are used in sachets and pot pourris, also to flavor roasts and stews. Pkt., 25c; ½ oz., 70c
- H-14 SAFFRON (false).** Used for coloring dishes, also flavoring. Pkt., 20c; ½ oz., 60c; oz., \$1.10
- H-16 SUMMER SAVORY.** The leaves and young shoots are used for flavoring. Much used as a flavoring for beans, and in salads, vegetables, stews and other dishes. Pkt., 25c; ½ oz., 50c; oz., 90c
- H-15 SAGE.** A strongly flavored old-time favorite used in pork sausage and poultry seasoning. English Broad Leaf. Pkt., 25c; ½ oz., 70c; oz., \$1.35
- H-9 SWEET FENNEL.** The leaves boiled are used in fish sauces and are excellent for garnishing. The seeds are used for flavoring. It is said Fennel is to fish what Mint is to lamb. Pkt., 25c; ½ oz., 50c; oz., 90c
- H-18 SWEET MARJORAM.** Tender perennial best treated as an annual. A favorite for flavoring soups, stews, salads, and meat dishes and sausage. Pkt., 25c; ½ oz., \$1.00; oz., \$1.90
- H-19 THYME.** Used for seasoning meats, poultry, fish, cheese, eggs, soups, vegetables, stuffings and salads. A tea is also made for nervous headache. Pkt., 25c; ¼ oz., 60c; ½ oz., \$1.00; oz., \$1.85



PICKLING CUCUMBERS

- C-166 QUICK GROW.** 50 Days. Matures about a week earlier than Chicago Westerfield. It will usually mature before the early blight appears and often-times will yield a good crop when the later dry weather has cut the yield of the later varieties. Pkt., 15c; oz., 45c; ¼ lb., \$1.25
- C-183 CHICAGO WESTERFIELD.** 58 Days. Since we first introduced this pickle years ago, it has been a distinguished success. When ripe the fruit is medium size, blunt at both ends, has prominent black spines. Pkt., 15c; oz., 45c; ¼ lb., \$1.25
- C-173 NATIONAL.** 54 Days. The type is shorter than the Chicago Pickle and the fruit being smaller, blight does not sap the strength of the vine. Pkt., 15c; oz., 45c; ¼ lb., \$1.25
- C-165 BOSTON PICKLING.** (Green Prolific). 58 Days. Smooth, symmetrical pickle, very early and productive. Pkt., 15c; oz., 45c; ¼ lb., \$1.25
- C-169 JAPANESE CLIMBING.** 68 Days. This is quite resistant to disease and insects. It is good quality and of dark green. Pkt., 15c; oz., 45c; ¼ lb., \$1.25
- C-164 YORK STATE.** 58 Days. A mosaic resistant pickle bred by Dr. H. Munger of Cornell University. Pkt., 25c; oz., 65c; ¼ lb., \$2.00
- C-182 WISCONSIN No. 6.** 54 days. A new National type of pickle with resistance to spot rot. A great boon to growers in Wisconsin, Michigan and Illinois. Pkt., 25c; oz., \$1.00; ¼ lb., \$3.00

Egg Plant

Egg Plant likes a rich, loamy soil. Plants should be set out in the garden as soon as danger of frost has passed, in rows 3 feet apart, the plants 2 feet apart.

- E-12 VAUGHAN'S HYBRID.** 85 Days. A true hybrid introduced by us in 1951, which has met with great success. This variety produces a tremendous crop of very large fruits. The fruit are extremely dark. See novelty page 6. Pkt., 35c.



BLACK BEAUTY

- E-10 BLACK BEAUTY.** 80 Days. Favorite variety in northern gardens, this excels in quality, size and appearance. Its huge fruits are almost black, are highly decorative in exhibition baskets and collections. Pkt., 15c; ½ oz., 45c; oz., 85c; ¼ lb., \$2.65

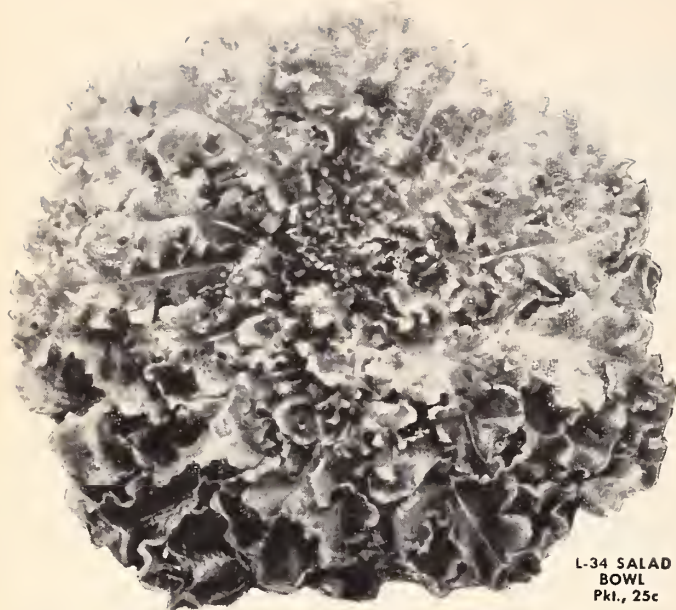
- E-11 FLORIDA HIGH BUSH.** 85 Days. Plants are well branched, hardy, and disease resistant. Pkt., 15c; ½ oz., 45c; oz., 85c; ¼ lb., \$2.65

THE COMPLETE BOOK OF AFRICAN VIOLETS. By Helen Van Pelt Wilson. A brand new book with latest directions on how to make your violets bloom. How to water, feed and start new plants, check pests and disease, win show awards. 653 names and synonyms. 29 varieties in color. 256 pages. \$3.50; \$3.70 postpaid.

SUNSET PRUNING HANDBOOK. Specific instructions with illustrations for pruning practically every tree, shrub or vine. This book will attempt to explain the "why" and the "how" in the nontechnical terms of the amateur gardener. 80 pages with illustrations. Paper Bound, priced at \$1.50; \$1.70 postpaid.

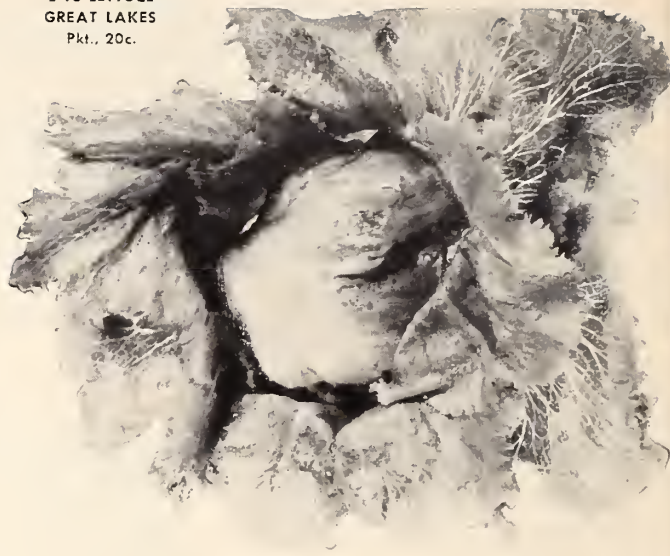
Garden Huckleberry

- G-1** Well described by the above name, this bears racemes or bunches of dark berries, ½ inch in diameter, which makes preserves. The bushes are about 3 feet tall. Cultivation is the same as with the tomato, of which this plant is a distant cousin. Pkt., 15c; ½ oz., 50c; oz., 90c



L-34 SALAD BOWL
Pkt., 25c

L-16 LETTUCE
GREAT LAKES
Pkt., 20c.



Lettuce for Salads All Summer

SOW as soon as soil can be prepared, $\frac{1}{2}$ inch drill, 5 seeds to an inch. Feed well, to make it grow fast. Thin out at first to stand an inch apart; then use alternate plants until leaf varieties stand 8 inches, heading varieties 12 inches apart. Make succession sowings to prolong harvest, omitting the midsummer period.

LEAF LETTUCE

L-9 MATCHLESS LETTUCE. 55 Days. A distinct type that has an open loose head. Matchless has the quality of Bibb and it does not bolt and tolerates heat. It is superior for the home garden. If you have room for only one lettuce be sure that it is Matchless.
Pkt., 25c; oz., \$1.00; $\frac{1}{4}$ lb. \$3.00

L-34 SALAD BOWL. 45 Days. Gold Medal Winner. All America 1952. A good quality new home garden lettuce.
Pkt., 25c; $\frac{1}{2}$ oz., 55c; oz., \$1.00

L-28 OAK LEAF. 40 Days. Since we revived this excellent old variety, it has become the most popular leaf lettuce for home gardens from coast to coast. The rich dark green of its leaves, its tenderness and resistance to hot weather, are all outstanding. We consider it best of the leaf type for home gardens.
Pkt., 20c; $\frac{1}{2}$ oz., 40c; oz., 70c

L-7 BRONZE BEAUTY. 40 Days. Bronze medal 1946, All America trials. This may be described as Oak Leaf with a bronze tinge in its leaves; a characteristic which is accompanied by superior resistance to hot weather. As early as Oak Leaf, and equally tender, with a delightful nutty flavor, it grows in a loose head. Its leaves of Oak Leaf shape, bleach to cream in the heart, and the soft green of the tips is suffused with ruddy bronze.
Pkt., 25c

L-5 BLACK SEEDED SIMPSON. Matures in about 46 Days. Its large rich green leaves are thin, tender, and crisp, forming a loose head. It is one of the most vigorous varieties in hot weather and slow to run to seed. It is especially adapted to the home garden.
Pkt., 15c; oz., 40c; $\frac{1}{4}$ lb., \$1.15

L-15 GRAND RAPIDS. 45 Days. This home garden favorite, also extensively planted for hotbed or greenhouse growing. The leaves are light green, daintily curled, tender, crisp, delicious. Our selected stock has been bred to a high degree of uniformity in type and season.
Pkt., 15c; oz., 40c; $\frac{1}{4}$ lb., \$1.15

L-14 GRAND RAPIDS RESISTANT. Has a tendency to form heads when grown outdoors. Leaves more savoyed than the regular Grand Rapids.
Pkt., 15c; oz., 45c; $\frac{1}{4}$ lb., \$1.40

L-11 EARLY CURLED SIMPSON. (White Seeded Simpson). Very hardy and dependable; particularly popular for home gardens.
Pkt., 15c; oz., 40c; $\frac{1}{4}$ lb., \$1.15

L-30 PRIZEHEAD. 47 Days. Very early, quick growing and popular for home gardens, plant medium large, strictly loose leaf, outside leaves tinged red, inner leaves wholly green.
Pkt., 15c; $\frac{1}{2}$ oz., 25c; oz., 45c; $\frac{1}{4}$ lb., \$1.25

HEAD LETTUCE

L-6 BIBB (LIMESTONE). 57 Days. A small headed lettuce of excellent quality, popular in the middle south for many years. Leaves smooth, dark green, a favorite with chefs of luxury hotels.
Pkt., 20c; $\frac{1}{2}$ oz., 30c; oz., 50c

L-18 ICEBERG. 84 Days. This makes a small head which is the tightest of any variety we know, and it resists hot weather well. It is an excellent home garden variety and entirely distinct from New York, which is sometimes called Iceberg.
Pkt., 15c; oz., 45c; $\frac{1}{4}$ lb., \$1.20

L-8 CALIFORNIA CREAM BUTTER. 75 Days. One of the best summer varieties, large solid heads, buttery flavor.
Pkt., 15c; oz., 35c; $\frac{1}{4}$ lb., 85c

L-10 CRISP AS ICE. 74 Days. Small dark green head overlaid with dark brown crumpled leaves, does not get bitter in hot weather.
Pkt., 15c; $\frac{1}{2}$ oz., 25c; oz., 45c; $\frac{1}{4}$ lb., \$1.25

L-23 MAY KING. 63 Days. Very early variety. The outer leaves are tinged with brown; they fold close, permitting close planting in frames—tender yellow heart.
Pkt., 15c; oz., 40c; $\frac{1}{4}$ lb., \$1.00

L-31 BIG BOSTON. 75 Days. Large heads of bright green leaves, very tender.
Pkt., 15c; oz., 35c; $\frac{1}{4}$ lb., 75c

CALIFORNIA TYPE

L-32 PENNLAKES. 75 Days. An All America winner, 1949. An early heading lettuce that is particularly well adapted to midwestern and east coast growing.
Pkt., 20c; $\frac{1}{2}$ oz., 45c; oz., 75c; $\frac{1}{4}$ lb., \$2.25

L-16 GREAT LAKES. 75 Days. Plant large and vigorous and of good size and attractive color, is resistant to tip burn and stands up well under hot weather. The leading variety for midwestern growing.
Pkt., 20c; $\frac{1}{2}$ oz., 45c; oz., 75c; $\frac{1}{4}$ lb., \$2.25



L-6 LETTUCE BIBB. Pkt., 20c.

CALIFORNIA TYPE—Continued

L-20 IMPERIAL No. 456. 80 Days. Developed by Cornell Experiment Station as a variety suitable for those who wish to grow head lettuce in July and August.
Pkt., 20c; $\frac{1}{2}$ oz., 45c; oz., 75c; $\frac{1}{4}$ lb., \$2.25

L-19 IMPERIAL No. 44. 82 Days. The latest introduction in blight resistant types. Heads a little earlier than 847 and is a little more curled.
Pkt., 15c; $\frac{1}{2}$ oz., 30c; oz., 55c; $\frac{1}{4}$ lb., \$1.45

ROMAINE OR COS LETTUCE

This type of lettuce forms upright loose folding heads, and the inner leaves bleach white. Esteemed the finest in flavor.

L-12 EXPRESS COS. In 70 Days. A Vaughan introduction. The most dwarf and earliest of all, leaves dark green. Delicious flavor. Self-closing.
Pkt., 15c; oz., 40c; $\frac{1}{4}$ lb., \$1.00

L-29 PARIS WHITE OR TRIANON. In 75 Days. Grows to large size. Self-closing.
Pkt., 15c; oz., 40c; $\frac{1}{4}$ lb., \$1.00

FAST GROWING for POULTRY

L-25 CHICKEN LETTUCE. About 48 Days. Here is a genuine lettuce which will yield as much or more chicken or rabbit feed as any "greens" plant. When cut it starts at once to grow again.
Pkt., 15c; oz., 40c; $\frac{1}{4}$ lb., \$1.00

Other Salad Leaves

C-155 WATER CRESS (TRUE WATER). A distinct variety with small oval leaves. It thrives best when roots and stems are submerged in water.
Pkt., 25c.

C-154 UPLAND CRESS. 50 Days. Has highly prized flavor of Water Cress. Green all year; ready for use before any other salad.
Pkt., 15c; $\frac{1}{2}$ oz., 25c; oz., 45c; $\frac{1}{4}$ lb., \$1.15

C-153 CURLED GARDEN CRESS. 50 Days. Used with lettuce it adds an agreeable pungency.
Pkt., 15c; oz., 45c; $\frac{1}{4}$ lb., \$1.15

C-151 CORN SALAD. 45 Days. (Fetticus or Lamb's Lettuce). A most refreshing salad, hardy, much used in winter in place of lettuce. Sow either in spring or fall.
Pkt., 15c; oz., 75c; $\frac{1}{4}$ lb., \$1.75

Dandelion

D-1 THICK LEAF OR CABBAGE VARIETY. Cultivated for spring greens and salads. Unlike common sorts, almost double usual size.
Pkt., 25c; $\frac{1}{2}$ oz., \$1.00; oz., \$1.75

Fennchio

H-22 FENNEL FLORENCE. Similar to celery, but forming an oval bulb-like enlargement at the base of the stem, which has a pleasing Anise-like flavor, often used in fish sauces.
Pkt., 20c; $\frac{1}{2}$ oz., 45c; oz., 85c

Onion Sets

BECAUSE of the long growing season required by all onions grown from seed, most amateur gardeners use onion sets for producing both green onions, and mature bulbs. "Bottom sets," so-called to distinguish them from top sets, produced by some varieties of onions instead of seed, are onion bulbs artificially dwarfed by being sown thickly in rows, and stored over winter to be planted the next spring for a speedier harvest than seed would produce. Succession plantings can be made as long as the sets remain in good condition. For growing mature onions in home gardens we recommend Golden Globe sets.

Use large sets planted 2 in. deep for green onions, smaller 1 in. deep for mature onions; space the first one inch apart, the second 3 to 4 inches. Plant with the earliest crops.

Green onions will be ready in three weeks, mature onions in three months from the planting date. The use of sets thus shortens by many weeks the time it would take to grow either green or mature onions from seed.

Onion sets prices postpaid.

O-32 WHITE BOTTOMS. Our sets of these are very choice, small, dry and unsprouted. Minimum order, 2 lbs., \$1.25; 5 lbs., \$2.25; 10 lbs., \$4.00

O-34 YELLOW BOTTOMS. Fine dry sets, medium in size and unsprouted. Minimum order, 2 lbs., \$1.25; 5 lbs., \$2.25; 10 lbs., \$4.00

O-31 RED BOTTOMS. Bright, deep red in color, even and dry. Minimum order, 2 lbs., \$1.25; 5 lbs., \$2.25; 10 lbs., \$4.00

O-30 GOLDEN GLOBE. Large yellow globe. Very desirable as a large dry onion for the home gardener. A good keeper. Minimum order, 2 lbs., \$1.25; 5 lbs., \$2.25; 10 lbs., \$4.00

O-35 YELLOW MULTIPLIERS. Especially valuable for the first early spring onions. They are very mild and sweet, and there are usually several stalks from a single bulb. Minimum order, 2 lbs., \$1.50; 5 lbs., \$3.75; 10 lbs., \$6.50

ONION PLANTS

Vaughan's offer the following types of onion plants for shipment after April 1 to May 1.

YELLOW SWEET SPANISH (for large onions).

Minimum order of 2 bunches \$1.00; ten bunches, \$4.25

HYBRID SWEET SPANISH (for exhibition onions).

Minimum order of 2 bunches \$1.25; ten bunches, \$5.00



EGYPTIAN PERENNIAL SETS (Top Sets)

FOR FALL PLANTING

O-29 EGYPTIAN OR RED PERENNIAL. For fall planting only. This variety never forms a large bulb; its value lies wholly in its special adaptability to produce green onions for spring or fall use which are perfectly hardy and stay in the ground all the time. We sell sets in fall only, to be planted for early spring crop. Postpaid, 2 lbs., \$1.50; 5 lbs., \$3.50; 10 lbs., \$6.00

Storage Onions Are Best Grown from Seed

SOW with the earliest crops, in rich soil, in drills $\frac{1}{2}$ inch deep. Thin to 4 inches apart, using discards in green stage. Water when needed. Harvest after tops shrivel and dry in the sun, store in a dry place.

Quantity needed to sow: 25 ft., 1 pkt.; 125 ft., 1 oz.; acre, 6 lbs.

WINTER KEEPERS

O-24 AUTUMN SPICE HYBRID. 105 Days. A new hybrid in 1952. An excellent keeping Southport type onion with a beautiful dark skin. The bulbs are extra hard and the flesh is pungent and a creamy white. Pkt., 35c; $\frac{1}{2}$ oz., 85c; oz., \$1.50; $\frac{1}{4}$ lb., \$4.25.

O-10 GOLDEN GLOBE. 115 Days. An exceptionally fine yellow globe onion of superior weight, popular for growing globe-shaped sets of excellent keeping quality; very productive. Pkt., 15c; $\frac{1}{2}$ oz., 35c; oz., 65c; $\frac{1}{4}$ lb., \$2.00

O-19 SOUTHPORT YELLOW GLOBE. BALL TYPE. 110 Days. Superior for muck soil, a fine keeper that is preferred by large onion growers. Pkt., 15c; $\frac{1}{2}$ oz., 35c; oz., 65c; $\frac{1}{4}$ lb., \$2.00

O-18 SOUTHPORT RED GLOBE. About 110 Days. A perfect globe shape, deep red skin and tinted white, one of the best winter keepers. Pkt., 15c; $\frac{1}{2}$ oz., 35c; oz., 65c; $\frac{1}{4}$ lb., \$2.00

O-14 LARGE RED WETHERSFIELD. About 100 Days. Bulbs 2 to 2 $\frac{1}{2}$ inches thick, flat, deep red, flesh pinkish white and firm, used extensively for growing sets. Pkt., 15c; $\frac{1}{2}$ oz., 35c; oz., 65c; $\frac{1}{4}$ lb., \$2.00

O-9 FANCY YELLOW GLOBE DANVERS. About 110 Days. Medium large, globe shaped, yellow with white flesh, firm and hard, good keeper. Pkt., 15c; $\frac{1}{2}$ oz., 35c; oz., 65c; $\frac{1}{4}$ lb., \$2.00

O-6 BRIGHAM YELLOW. GLOBE. 110 Days. A Southport Yellow Globe strain that is popular because of its excellent keeping and productive quality. Pkt., 15c; $\frac{1}{2}$ oz., 35c; oz., 65c; $\frac{1}{4}$ lb., \$2.00

O-20 SOUTHPORT WHITE GLOBE. About 110 Days. A strikingly handsome onion; early, ripens evenly and is a fine keeper; the small, high-bred neck tells the story of quality; it is a true globe, pure white. Pkt., 15c; $\frac{1}{2}$ oz., 35c; oz., 65c; $\frac{1}{4}$ lb., \$2.00

FOR GREEN ONIONS

O-23 WHITE LISBON (Bunch Onion). The best green Bunch Onions from seed are grown from White Lisbon, producing tender, long, white tops. If hilled a little these green and white stalks may be consumed entirely. Does not get tough like the White Welch or Winter top. Pkt., 15c; $\frac{1}{2}$ oz., 35c; oz., 65c; $\frac{1}{4}$ lb., \$2.00

O-11 HE-SHI-KO. 50 Days. An early bunch onion. deserving of more popularity, is hardy and may be sown either spring or fall. A fall sowing will produce green onions very early in the spring. Pkt., 15c; $\frac{1}{2}$ oz., 35c; oz., 65c; $\frac{1}{4}$ lb., \$2.00

Flat and Pickling Type

O-25 WHITE PORTUGAL OR SILVERSKIN. About 100 Days. This is a splendid sort for growing white onion sets, pickles and for early bunching green onions. A medium size bulb, flat shape, has fine mild flavor, and is best of the white onions for keeping. Pkt., 15c; $\frac{1}{2}$ oz., 35c; oz., 65c; $\frac{1}{4}$ lb., \$2.00

O-8 EBENEZER. In 100 Days. There is a tremendous demand for this yellow skinned onion for the growing of Onion Sets. Ebenezer is a fine keeper, mild and well flavored. Pkt., 15c; $\frac{1}{2}$ oz., 35c; oz., 65c; $\frac{1}{4}$ lb., \$2.00

BERMUDA TYPE

O-7 CRYSTAL WHITE WAX. In about 90 Days. This is a pure white flat onion, very popular in the south, especially in Texas. Will make only small onions in the north from seed. Very sweet. Pkt., 15c; $\frac{1}{2}$ oz., 35c; oz., 65c; $\frac{1}{4}$ lb., \$2.00



ONION SOUTHPORT YELLOW GLOBE. Pkt., 15c

SPANISH TYPE ONIONS

VALENCIA SWEET SPANISH (Utah Strain). 110 Days. A sweet, mild giant onion. From seed sown direct in the garden it will produce onions weighing a pound; if started in the hot bed two pounds.

O-21 WHITE. Pkt., 15c; $\frac{1}{2}$ oz., 35c; oz., 65c; $\frac{1}{4}$ lb., \$2.00

O-22 YELLOW. Pkt., 15c; $\frac{1}{2}$ oz., 35c; oz., 65c; $\frac{1}{4}$ lb., \$2.00

RIVERSIDE SWEET SPANISH. 110 Days. A California strain. When grown in southern California attains enormous size, 4 to 4 $\frac{1}{2}$ pounds.

O-16 YELLOW. Pkt., 15c; $\frac{1}{2}$ oz., 35c; oz., 65c; $\frac{1}{4}$ lb., \$2.00

O-17 WHITE. Pkt., 15c; $\frac{1}{2}$ oz., 35c; oz., 65c; $\frac{1}{4}$ lb., \$2.00

O-15 PRIZETAKER. American Grown. 105 Days. Globes large, the skin thin and light yellow. Flavor mild. Pkt., 15c; $\frac{1}{2}$ oz., 35c; oz., 65c; $\frac{1}{4}$ lb., \$2.00

LEEKs



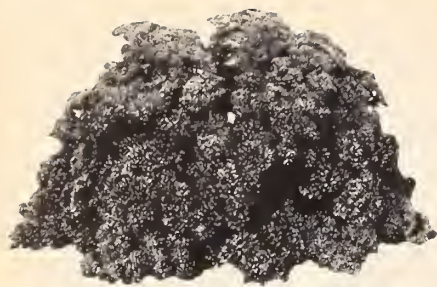
L-2 LEEK ELEPHANT. Pkt., 15c

Leeks are better if transplanted. Use a dibber, set the plant deep in the hole and let the soil wash in. 130 Days.

L-2 ELEPHANT. Largest of all leeks. Pkt., 15c; $\frac{1}{2}$ oz., 40c; oz., 65c

L-4 LARGE MUSSELBURG. Enormous broad leaves, mild flavor. Good exhibition sort. Pkt., 15c; $\frac{1}{2}$ oz., 40c; oz., 65c

L-1 BROAD SCOTCH OR LONDON FLAG. Hardy; a strong plant, with broad leaves. Pkt., 15c; $\frac{1}{2}$ oz., 40c; oz., 65c



P-30 PARSLEY, Champion Moss Curled. Pkt., 15c

Parsley

PARSLEY should be sown early because it is very slow to germinate; and it is best to use radish seed mixed with the parsley seed to mark the rows. Parsley is one of the richest of green vegetables in vitamin A, and iron.

The rooted parsley provides excellent flavoring for soups and stews. Quantity needed to sow 50 ft., 1 pkt., 200 ft., 1 oz.

P-30 CHAMPION MOSS CURLED. In about 70 Days. Robust, compact plants; the leaves are so crumpled and curled as to have the appearance of curled moss, with rich, green color. It is quite hardy. Pkt., 15c; oz., 35c; ¼ lb., 75c

P-34 EXTRA TRIPLE CURLED PARSLEY (Vaughan's XXX). 75 Days. Plant compact, leaves dark green and so finely cut and closely curled as to resemble tufts of moss. Many of our customers plant it as a border. Pkt., 15c; oz., 35c; ¼ lb., 75c

P-33 PLAIN OR ITALIAN. 72 Days. Not curled. However, the flavor is excellent and plant is very hardy. Pkt., 15c; oz., 35c; ¼ lb., 75c

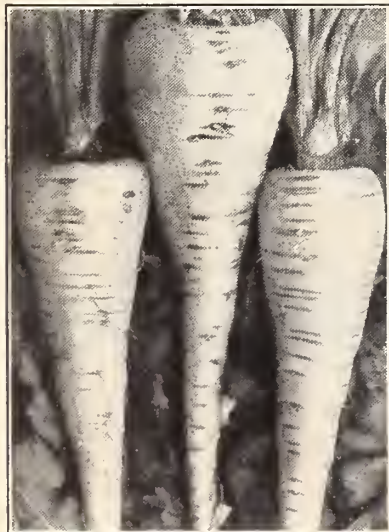
P-32 HAMBURG ROOTED. 90 Days. Resembles a small parsnip. Used for flavoring soups. Our strain is exceptional. Pkt., 15c; oz., 35c; ¼ lb., 75c

Parsnips

PARSNIPS may be harvested at times when the ground has little else to offer. Let them remain in the ground over winter, and dig them during a thaw or when the spring thaw comes—they will be as sweet and tender as ever. A freeze is required to sweeten them. Quantity needed to sow 25 ft., 1 pkt., 150 ft., 1 oz.

P-42 ALL AMERICAN (Marrowfat). 95 Days. This variety produces roots of uniform good size, fine shape, clean, smooth skin. In flavor it is unequalled. For exhibition it is a winner. Pkt., 15c; oz., 35c; ¼ lb., 75c

P-40 HOLLOW CROWN, LONG SMOOTH. About 95 Days. Tender and sugary; one of the best. Pkt., 15c; oz., 35c; ¼ lb., 75c



P-40 PARSNIP, HOLLOW CROWN. Pkt., 15c



P-11 LITTLE MARVEL PEA. Pkt., 15c

Plant Peas Early

Tall Peas

THE gardener who takes pride in his peas and whose space is unlimited will find the tall-growing sorts unequalled for length of season, heavy yielding and high quality. Support should be given and they should be planted with plenty of room. Liberal fertilizing will be well repaid.

P-9 IMPROVED TELEPHONE. 74 Days. Of the tall-growing varieties of late peas, "Vaughan's Improved Telephone" is regarded by experienced and successful growers as the best sort for general purposes. Uniformly large pods, 5 inches or more long, filled with 8 to 9 delicious peas. Grows 4 feet high; is a main crop variety, and a heavy yielder. Pkt., 15c; ¼ lb., 40c; lb., 65c; 2 lbs., \$1.20; 5 lbs., \$3.00.

MEDIUM HEIGHT

A HEAVIER yield without sacrificing quality is obtained from the varieties of peas which require some support. The varieties listed below grow to three feet high and should be given support of chicken wire or brush between companion rows. The smooth podded sorts may be sown first, and if not allowed to mature too much, will be found to be of good table quality.

P-15 WORLD'S RECORD OR IMPROVED GRADUS. 57 Days. Gradus is the greatest of the wrinkled peas; it is large early, and in flavor equal to the best wrinkled kinds. It is tender and should be planted in the warmest spot in the garden. Vines 30 inches, pods 4 inches long, beautiful green color, with 7 to 8 or more rich, tender peas in each. Pkt., 15c; ¼ lb., 40c; lb., 65c; 2 lbs., \$1.20; 5 lbs., \$3.00.

P-14 THOMAS LAXTON. About 62 Days. The best pea for freezing. This is a selection of Gradus. The season is identical, but the pods are square at the end and deeper green. Vines are 3 to 3½ feet high. A better yielder than Gradus. Pkt., 15c; ¼ lb., 40c; lb., 65c; 2 lbs., \$1.20; 5 lbs., \$3.00.

P-1 ALASKA—CALLED EARLIEST OF ALL. In about 57 Days. Alaska seed is bluish in color and smooth. This is the earliest pea to mature and is used extensively in Wisconsin for canning. Pkt., 15c; ¼ lb., 40c; lb., 65c; 2 lbs., \$1.20; 5 lbs., \$3.00.

EDIBLE POD PEAS

Cooked Like String Beans

P-4 DWARF GRAY SUGAR. About 65 Days. The pods, not the seed of this variety are eaten. They are borne on vines 16 inches tall, and should be picked before seeds form. At this stage they are: stringless, brittle and succulent. Pkt., 15c; ¼ lb., 40c; lb., 65c; 2 lbs., \$1.20; 5 lbs., \$3.00.

S-437 NITRAGIN

Inoculate Your Beans and Peas

The roots of legumes, which include peas and beans, are the hosts of bacteria which secrete nitrogen from the air. This process is speeded up by applying Nitragin, the original legume inoculation culture. S-437 Garden Size for peas, sweet peas, garden and lima beans. Pkt. 25c, postpaid 30c. Each packet treats 5 lbs. of seed.

DWARF

P-17 WANDO. 64 Days. A high quality heat resistant pea that is adapted to fall planting as well as spring. See Novelty page 7. Pkt., 25c; ¼ lb., 45c; lb., 75c; 2 lbs., \$1.35

P-11 LITTLE MARVEL. 64 Days. The most satisfactory pea in the average home garden. The big point in its favor is that it remains in prime picking condition a week longer than the older sorts. Very productive, hardy, luscious and sugary. Vine 18 inches, pod dark green, well filled. Pkt., 15c; ¼ lb., 40c; lb., 65c; 2 lbs., \$1.20; 5 lbs., \$3.00.

P-7 GIANT STRIDE. 74 Days. Pea height is a wilt affecting peas when they are planted too often in the same ground. You will find Giant Stride nearly 100% resistant, as well as of top quality and a heavy yielder. Pkt., 15c; ¼ lb., 40c; lb., 65c; 2 lbs., \$1.20; 5 lbs., \$3.00.

P-12 NOTT'S EXCELSIOR. In 60 Days. Almost as early as the round seeded varieties, but far superior to them in quality. Vines about 16 inches high, pods about 3 inches long, each containing 5 to 7 peas of good size, tender and delicious. Pkt., 15c; ¼ lb., 40c; lb., 65c; 2 lbs., \$1.20; 5 lbs., \$3.00.

P-13 PREMIUM GEM. 60 Days. An extra early old type garden pea that could well be replaced by Nott's Excelsior or Little Marvel, as they are superior. Pkt., 15c; ¼ lb., 40c; lb., 65c; 2 lbs., \$1.20; 5 lbs., \$3.00.

P-10 LAXTON'S PROGRESS. 62 Days. The earliest and by far the best of the large-podded, large fruited wrinkled peas. Of all the varieties producing peas of equal quality, this is the heaviest yielding. It bears long pods, averaging one more pea to the pod than Hundredfold. Pkt., 15c; ¼ lb., 40c; lb., 65c; 2 lbs., \$1.20; 5 lbs., \$3.00.

P-8 HUNDREDFOLD. About 62 days. This is another of Vaughan's Specials that has proved itself a winner for gardeners. It is extra early, has large pods like "Telephone," which are filled with the finest flavored peas, Hundredfold is in season a few days later than the first earlies. It excels in size, appearance and productiveness. Pkt., 15c; ¼ lb., 40c; lb., 65c; 2 lbs., \$1.20; 5 lbs., \$3.00.

P-5 DWARF TELEPHONE OR DAISY. About 76 Days. A midseason maturing sort of merit; vines are dwarf and bear large, bright green peas, each containing 8 to 10 peas of finest quality. This is a splendid variety, of which we offer a high-class reselected stock. Pkt., 15c; ¼ lb., 40c; lb., 65c; 2 lbs., \$1.20; 5 lbs., \$3.00.

Kohlrabi

Peppers, Sweet or Hot

SOW in April or May in rows, thin to 8 inches. The globular fruits grow above ground, are stripped and cooked like turnips, but are much sweeter.



VIENNA KOHLRABI EARLY WHITE. Pkt., 20c

K-11 EARLY WHITE VIENNA.

55 Days. White and tender. Pkt., 20c; ½ oz., 35c; oz., 55c

K-10 EARLY PURPLE VIENNA.

About 60 Days. Pkt., 20c; ½ oz., 35c; oz., 55c

Okra

OKRA pods are used in soups, stews and salads. It is a hot weather plant, but can be grown in the North much like corn, the plants being started indoors in paper pots. The pods should be gathered each day while still tender and pulpy.

Quantity needed for 15 ft., 1 pkt.; 50 ft., 1 oz.

O-4 WHITE VELVET. 70 Days. Produces pods larger than any other. Pkt., 15c; oz., 25c; ¼ lb., 65c

O-3 TALL OR PERKINS MAMMOTH. 68 Days. The long pods, measuring 4 and 5 in. are produced in great quantities. Pkt., 15c; oz., 25c; ¼ lb., 65c

O-2 DWARF LONG POD. 65 Days. Low, stocky and productive, with long pods. Pkt., 15c; oz., 25c; ¼ lb., 65c

O-1 CLEMSON SPINELESS. 55 Days. Similar to Dwarf Long Pod; a little taller bush, having longer and darker pod. Pkt., 15c; oz., 25c; ¼ lb., 65c



O-2 OKRA DWARF LONG POD. Pkt., 15c

THE plants should stand eighteen inches apart in rows. They are constantly becoming more popular, both in salads and for use in cooking. One packet produces 75 plants; oz., 1,000 plants. Plants started eight weeks before are set out one week after frost-proof date. Harvest continues until frost, if vines are picked clean.



P-61 PEPPER HUNGARIAN OR BANANA SWEET. Pkt., 15c

P-66 WISCONSIN LAKES. 68 Days

☑ A new early heavy yielding block-shaped green pepper bred at the University of Wisconsin. It is particularly suited to the northern area, and has given heavy yields on both sandy and clay soils. Pkt. 35c; ½ oz., \$1.00; oz., \$1.85. See novelty page 8.

P-51 BULL NOSE, HOT. 60 Days. A pungent pepper. Pkt., 20c; ½ oz., 40c; oz., 75c

P-52 CALIFORNIA WONDER. 75 Days. A mild sweet variety, very large. It resembles Chinese Giant in form, but has much thicker flesh. It has a crimson fruit. Pkt., 15c; ½ oz., 50c; oz., \$1.00

P-57 EARLY CALIFORNIA WONDER (Calwonder) 65 Days. ☑ A quality giant, is recommended for the home garden. Mild, sweet, mid-season, it produces fruits 4 x 4 ½ inches with thick flesh a deep green changing to bright crimson. Pkt., 20c; ½ oz., 50c; oz., \$1.00

P-53 CAYENNE. 70 Days. Long, red, hot. Pkt., 15c; ½ oz., 40c; oz., 75c

P-58 GIANT MAGNUM DULCE. 67 Days. This mild pepper grows to 7 inches long and 4 inches through—but when grown so large the yield is small. To get a large yield of medium sized peppers, pinch off the first buds. Pkt., 15c; ½ oz., 45c; oz., 85c

P-75 GOLDEN CALIFORNIA WONDER. 80 Days. ☑ The same as California Wonder except that the fruit turns a bright golden yellow. Pkt., 25c; ½ oz., 65c; oz., \$1.20

P-59 HARRIS' EARLY GIANT. 63 Days. Heavy yielder among the large peppers, also earlier. The plants are vigorous, pepper 4 x 4 ½ inches. Color, deep green turning to red, very sweet. Pkt., 15c; ½ oz., 40c; oz., 75c

P-60 HUNGARIAN OR BANANA (Hot). 65 Days. A slender hot pepper much prized for canning. It is 1 ½ inches in diameter at the base and often 7 inches long. Yellow turning to red. Pkt., 15c; ½ oz., 50c; oz., 90c

P-61 HUNGARIAN OR BANANA (Sweet). 65 Days. ☑ Same as above, but sweet. This is a specialty of ours. The plants are strikingly uniform and the fruits are borne in great numbers. Pkt., 20c; ½ oz., 60c; oz., \$1.15

P-63 KING OF THE NORTH. 64 Days. A sweet medium, short and blocky. Not quite as early as Early Giant. Pkt., 15c; ½ oz., 40c; oz., 75c

P-68 PIMENTO PERFECTION. 73 Days. Flesh thick and very mild. Must be started early in the north to mature. Pkt., 15c; ½ oz., 45c; oz., 85c

P-70 RUBY KING. In 68 Days. One of the most popular growing 4 ½ to 6 inches long, 3 ½ to 4 inches thick. The peppers are a bright ruby-red and quite sharp in flavor. Pkt., 15c; ½ oz., 40c; oz., 75c

P-69 RED CHILI. 75 Days. An exceptionally prolific variety that is really hot. The fruit are thin-fleshed, very pungent light green becoming dark red when mature. Used extensively for pepper sauces, pickling and drying for winter use. Pkt., 15c; ½ oz., 45c; oz., 75c

P-71 SUNNYBROOK. 73 Days. Tomato shaped, very early and productive. Fruits 2 in. deep and 3 in. diameter, smooth, glossy, dark green, turning deep red. Flesh thick and sweet. Pkt., 15c; ½ oz., 50c; oz., 90c



P-73 PEPPER YOLO WONDER. Pkt., 25c

P-73 YOLO WONDER. 70 Days. ☑ A new mosaic resistant variety originating from a cross between California Wonder and Elephant Trunk, a mosaic resistant variety from Italy. Tobacco mosaic, is a disease of egg-plant and tomatoes as well as peppers, all being cousins of the tobacco plant. It is spread by smokers, and is widely prevalent. Pkt., 25c; ½ oz., 65c; oz., \$1.20.

Oyster Plant (Salsify)

THOUGH not as generally grown as it should be, this is, when cooked, a really delicious vegetable, surpassing in richness of flavor both carrots and parsnips. It acquires a decided oyster flavor after a good frosting. Roots for winter use should be lifted in the fall, while those for early spring use may be left in the ground over winter.

S-1 MAMMOTH SANDWICH ISLAND. This variety is much more uniform in growth than the old standard "Long White" variety; it is twice the size and weight; the roots are of superior quality and flavor. Pkt. 15c; ½ oz., 35c; oz., 65c

Radishes for All Season

RADISHES from April to December are possible for the home gardener who sows early, midseason, summer and winter types.

Radishes supply, in a 2 oz. portion, 61U of Vitamin B-1; 11 milligrams of Vitamin C, 0.01 milligram of Vitamin B2.

Our strains are grown with the greatest care, which involves considerably increased cost, but the additional cost is small compared with the great difference in your crop.

Quick growth is the secret of success. A rich, light soil is required. The globe and olive varieties grow faster than the long type, and turn pithy sooner. The long types grow more slowly and are slower to turn pithy, so they endure heat better. Winter radishes should be sown in June or later and allowed to develop in the cool moist fall weather. Quantity needed for 15 to 20 ft., 1 pkt.; 75 ft., 1 oz.

Sow with earliest crops, 1/2 inch drill, 5 seeds to the inch. Sow early types one week's supply at a time, of weekly intervals. Mix with parsnips, parsley and carrots, to make the row. Harvest when large enough to eat. Summer and winter types have longer harvest.

(F.) Forcing Sorts.

R-4 RADISH CHAMPION. See Novelty page 6.

Pkt., 25c; oz., 50c; 1/4 lb., \$1.50

R-15 BURPEE WHITE. An excellent early large round white radish that holds its sweet flavor.

Pkt., 25c; oz., 50c.

R-9 CHERRY BELLE. 25 Days. All America winner, 1949. A very fine short topped round red radish. We offer the originators strain.

Pkt., 25c; oz., 35c; 1/4 lb. \$1.00; 1/2 lb., \$1.75

EARLY SCARLET GLOBE SELECT. (F.) 23 Days.

Vaughan's Glasshouse strain. For hotbed and greenhouse forcing, and outdoor planting. Very early, crisp, mild and tender; rich, bright scarlet in color, of uniform globe shape. It is ready for the table in 25 days. For the home, plant every 10 days until into June; again end of August.

R-11 SHORT TOP.

Pkt., 15c; oz., 30c; 1/4 lb., 90c; 1/2 lb., \$1.55

R-10 MEDIUM TOP.

Pkt., 15c; oz., 30c; 1/4 lb., 90c; 1/2 lb., \$1.55



R-11 RADISH SCARLET GLOBE SHORT TOP.

Pkt., 15c

R-13 ICICLE. 27 Days. The finest white, which remains crisp and mild long after maturity. It matures early with short top, which permits close planting and forcing. Many of our customers say it is the finest radish they have ever grown. Plant every 10 days for succession.

Pkt., 15c; oz., 30c; 1/4 lb., 90c; 1/2 lb., \$1.55

R-14 FRENCH BREAKFAST. (F.) 25 Days. Early olive-shape, 2 inches long, with slender tap root, deep red skin, white tip. Flesh is solid, sweet, crisp and tender, fine for the home garden.

Pkt., 15c; oz., 30c; 1/4 lb., 90c; 1/2 lb., \$1.55

R-22 CAVALIER. 23 Days. Roots are olive shaped and bright scarlet. Tops are slightly larger than short topped Scarlet Globe and it will mature just as quickly.

Pkt., 15c; oz., 30c; 1/4 lb., 90c; 1/2 lb., \$1.55

R-12 GIANT BUTTER. 28 Days. By far the largest of the early globe radishes. In rich soil it will produce crisp, spicy, tender roots of perfect globe shape two inches in diameter, only a week later than the smaller globe types. It is seldom found in the market and will make your friends talk.

Pkt., 15c; oz., 30c; 1/4 lb., 90c; 1/2 lb., \$1.55

R-7 CRIMSON GIANT. (F.) 28 Days. For forcing or outdoor planting. Although twice the size of other forcing sorts this does not get pithy or hollow; the skin is crimson, flesh is white, tender, crisp and sweet-flavored. Sow thinly.

Pkt., 15c; oz., 30c; 1/4 lb., 90c; 1/2 lb., \$1.55



R-18 SCARLET TURNIP WHITE TIP RADISHES.

Pkt., 15c

R-6 CINCINNATI MARKET. 28 Days. A long red radish, short top. If your market uses a long sort try this one.

Pkt., 15c; oz., 30c; 1/4 lb., 90c; 1/2 lb., \$1.55

R-18 SCARLET TURNIP WHITE TIP (Sparkler). 26 Days.

Vaughan's Selected Stock. This radish is a table dainty, crisp, tender and sweet; it is turnip-shaped, bright scarlet color with white tip, and is a high-class strain for outdoor planting. It combines beautiful appearance with finest radish quality—appealing to the eye and palate.

Pkt., 15c; oz., 30c; 1/4 lb., 90c; 1/2 lb., \$1.55

R-20 WHITE BOX—(Early White Turnip). 20 Days

Our earliest white radish. Turnip-shaped, short top and a rapid grower, crisp.

Pkt., 15c; oz., 30c; 1/4 lb., 90c; 1/2 lb., \$1.55

SUMMER RADISHES

R-21 WHITE STRASSBURG. 40 Days.

When hot weather comes and spring varieties would turn pithy or run to seed, this variety will keep in good condition for a long time and furnish a most welcome tang to the salad course. Sow early as it matures more slowly than other radishes.

Pkt., 15c; oz., 30c; 1/4 lb., 90c; 1/2 lb., \$1.55

WINTER RADISHES

THESE should be sown from late in June to August, to produce the final radish crop. They grow largest of all and can be stored for some time after the ground is frozen. In spite of their size they are mild and of fine texture.

Each of the following: Pkt., 15c; oz., 30c; 1/4 lb., 90c; 1/2 lb., \$1.55

R-16 ROSE OR SCARLET CHINA. About 52 Days. Rose, medium size, fine keeper.

R-5 CHINESE MAMMOTH OR CELESTIAL. About 60 Days. Immense size, flesh always crisp and mild.

R-1 BLACK SPANISH, LONG. 58 Days. Black skin and white flesh.

R-2 BLACK SPANISH, ROUND. 56 Days. Like Long Black, only round.



R-13 RADISH ICICLE
Pkt., 15c



SMALL SUGAR PIE PUMPKIN. Pkt., 15c

Pumpkins

SOW when the ground is warm and give the plants room to ramble. The partial shade of the sweet corn plot is ideal. A few hills will provide amply for pies and Jack O'Lanterns.

P-97 SMALL SUGAR PIE PUMPKIN. 110 Days.

Well known as the best pie pumpkin. The fruit is small to medium size, with solid fine grained flesh, and a sweet, sugary, delicious flavor.

Pkt., 15c; oz., 30c; 1/4 lb., 75c

P-98 HALLOWEEN PUMPKIN. 110 Days. Ideal size and shape for Jack O'Lanterns.

Pkt., 25c; oz., 50c; 1/4 lb., \$1.50

CUSHAW. 110 Days. We offer three strains, White, Striped and Golden. A favorite pumpkin for pies, having no seeds in the neck, all being confined in the enlarged portion near the blossom end.

Pkt., 15c; oz., 30c; 1/4 lb., 75c

P-92 WHITE. P-91 STRIPED. P-90 GOLDEN.

P-96 MAMMOTH PRIZE. About 120 Days. Specimens have grown to 100 lbs.; notwithstanding, it is among the best pie pumpkins. Flesh fine grained, sweet and tender. Requires a long season and plenty of room (one plant to a hill).

Pkt., 15c; oz., 30c; 1/4 lb., 75c

P-95 LARGE FIELD OR BIG TOM. 110 Days. A standard variety grown in corn fields for a feeding crop and the pumpkin generally used at Halloween time for Jack O'Lanterns.

Pkt., 15c; oz., 30c; 1/4 lb., 75c



PUMPKIN "BIG TOM." Pkt., 15c

ROSES FOR EVERY GARDEN. By R. C. Allen.

An informing "must" for every real rose lover! Explains every detail of successful rose culture, with a thorough resumé of Bush and Climbing Roses, news of hybrid teas and floribundas. The Secretary of the American Rose Society gives you complete information on First Plantings, Soil, Care, Pruning, Propagation, Hybridization, and Exhibiting. First book honored as a selection of the National Council of State Garden Clubs, Inc. Contains numerous helpful, "how-to" drawings, 32 illustrations IN COLOR! 218 pages. \$3.95; \$4.15 Post-paid.

Green Leafy Crops

Richest of All in Vitamins

Swiss Chard BEARS ALL SUMMER

S-89 SUMMER SPINACH. 45 Days. This vegetable gives maximum returns for little care and space; it yields a constant crop from July to Winter. The leaves are used for greens the same as spinach or beet tops. Sow early in spring in rows 16 inches apart, and thin out to 6 inches in the rows. The leaves grow very large. Cut the leaves off and new ones grow quickly. As it grows, thin out for use and keep clear of weeds.

Pkt., 15c; oz., 35c; ¼ lb., 75c

S-88 LUCULLUS. About 52 Days. A Moss Curled sort. Very large leaves.

Pkt., 15c; oz., 35c; ¼ lb., 75c

S-87 LARGE WHITE RIB. (Dark Green). 55 Days. The leaf is large, smooth, dark green on a long fleshy stem, 1 to 2 inches wide.

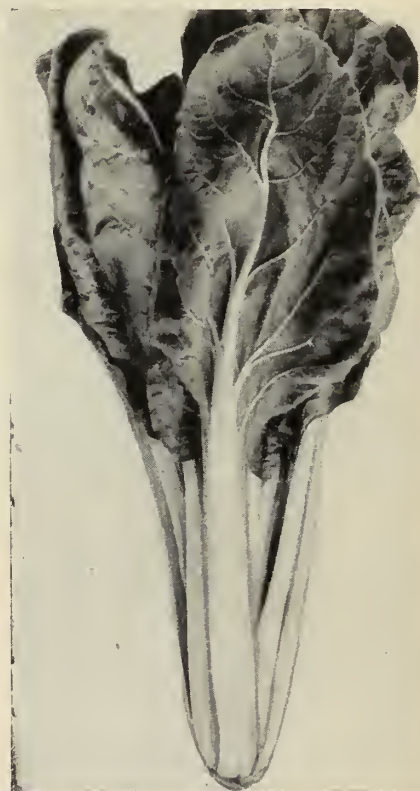
Pkt., 15c; oz., 35c; ¼ lb., 75c

S-86 FORDHOOK. 57 Days. This variety resembles Lucullus, but is a darker green.

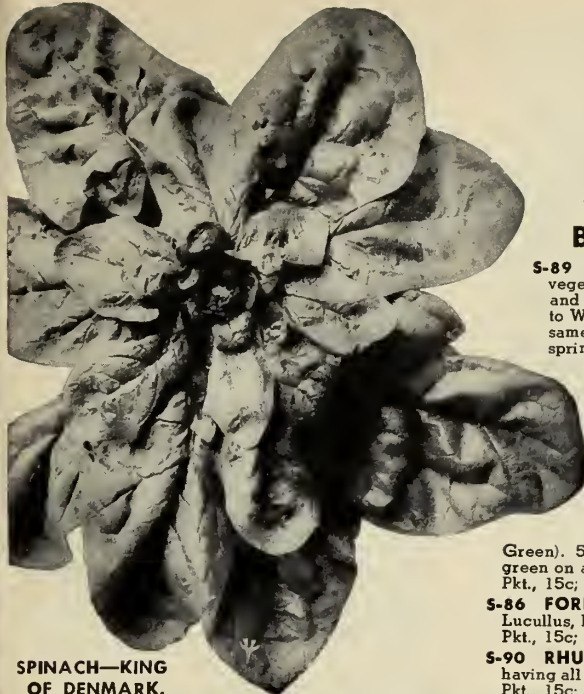
Pkt., 15c; oz., 35c; ¼ lb., 75c

S-90 RHUBARB CHARD. A recent introduction having all the chard characteristics excepting mid rib.

Pkt., 15c; oz., 35c; ¼ lb., 75c



S-87 SWISS CHARD. Large. Pkt., 15c



SPINACH—KING OF DENMARK.
Pkt., 15c

Spinach

SPINACH demands cool, moist weather. Seed should be sown at the earliest possible moment in spring in rows one foot apart and thinned to six inches in the row. It matures in 45 to 50 days and quickly runs to seed in warm weather. The Antvorskov variety listed below, is most free from this tendency.

Home gardeners have generally adopted Swiss Chard and New Zealand Spinach as a greens crop, as both may be cut many times and will produce a continuous crop all summer and until freezing weather in the fall. A fall crop of spinach may be sown in late July or August and will find the cool, moist autumn weather favorable for growth. New Zealand Spinach, however, is better sown in early spring as soon as the ground may be worked. The value of spinach in the diet has been scientifically established by the vitamin investigation.

S-10 HYBRID SPINACH #7. 42 days. Plant upright and semi-compact in habit. Foliage dark green, medium savoyed, resistant to Blue mold and mosaic. Especially adapted for early Spring or Fall.

Pkt., 25c; Oz., 50c; ¼ lb., \$1.50.

S-13 AMERICA. 45 Days. [All America Silver Medal, 1952. An extremely long-standing variety with Savoy type leaves, latest of this type.

Pkt., 15c; oz., 35c; ¼ lb., 90c

S-9 NOBEL GIANT THICK LEAVED. 45 Days. The largest spinach under cultivation. It grows rapidly and remains in good condition a long time. The medium-green leaves are large, rounded, slightly crumpled, succulent and tender. It is an excellent home garden spinach.

Pkt., 15c; oz., 30c; ¼ lb., 80c

S-12 VIKING. 45 Days. This 1935 All-America winner bears largest leaves of the thick-leaved type, and is almost as long standing as King of Denmark. Its leaves are smooth to slightly crumpled, dark green, and of excellent quality for home and market.

Pkt., 15c; oz., 30c; ¼ lb., 80c

S-7 KING OF DENMARK (Antvorskov). 48 Days. In our trials this variety has been slower to run to seed than any other sort. Antvorskov forms quite large tufts (or rosettes) compact and low. The numerous leaves are extra large, broad and rounded, exceedingly bushy, slightly crumpled and of a glossy dark green color. Pkt., 15c; oz., 30c; ¼ lb., 80c

S-6 BLOOMSDALE LONG STANDING. 45 Days. Improvement was accomplished through the selection of bisexual plants which seed more slowly than the unisexual. This variety is of better quality than the Antvorskov (King of Denmark), having larger, Savoy type leaves. Pkt., 15c; oz., 30c; ¼ lb., 80c



SINGLE PLANT OF NEW ZEALAND SPINACH.
Pkt., 15c

NEW ZEALAND SPINACH

Sow in Early Spring

S-8 NEW ZEALAND SPINACH. Tetragonia Expansa. 60 Days. While this is not a member of the Spinach family proper, it furnishes an abundance of delightful "greens" throughout the summer and right up to cold weather. Both the leaves and the stalks of the plant are very fleshy and extremely brittle and of the finest quality when cooked. Sow as soon as the garden is prepared in rows 3 feet apart and thin the plants to stand 2 feet apart in the rows. Soak the seed before sowing.

Pkt., 15c; oz., 35c; ¼ lb., \$1.00

GARDEN SORREL

S-3 Is boiled and served like spinach, also delicious for soups. As the hot sun tends to increase its acidity, a northern exposure is advisable. It should be sown in drills 18 inches apart. It is hardy, but should be divided every four years. Pkt., 15c; oz., 75c

PROPAGATION OF PLANTS. By Kains and McQuesten. A complete guide for professional and amateur growers of plants by seeds, layers, grafting and budding, with chapters on nursery and greenhouse management. In direct, simple language it discusses all phases of the subject, explains technical and scientific terms and tells clearly the how and the why of all processes. 639 pages. \$6.00; \$6.20 postpaid.

Kale or Borecole

GREENS for early fall, winter and spring. Sow seed about middle of June, later transplant to rows 2 to 2½ feet apart. Dwarf sort can be sown later. Frost improves flavor.

K-1 DWARF GREEN CURLED. In about 55 Days. Leaves curly as Parsley, tender and very fine flavor. Immense quantities produced in south find ready sales in the north.

Pkt., 15c; oz., 40c; ¼ lb., \$1.25

K-3 TALL GREEN CURLED. About 75 Days.

Pkt., 15c; oz., 40c; ¼ lb., \$1.25

MUSTARD

Leaves useful as salad or boiled like Spinach. Matures in 30 Days.

M-71 GREEN WAVE. All America Award for 1956. This gives the longest harvest in hot weather and has the darkest green coloring of any mustard. Holds quality two weeks longer than Giant Southern Curled Longstanding. Pkt., 20c; Oz., 60c

M-76 TENDERGREEN. A new variety of greens, producing only a small root, but large green leaves having a small rib. It is ready for table or market in 21 to 25 days and will produce 8 to 9 crops a year. Pkt., 15c; oz., 30c; ¼ lb., 80c

M-72 FLORIDA BROADLEAF. Upright growing, deep green leaves, fairly smooth. Desirable for greens because of the ease of preparing and its pleasant pungent flavor. Pkt., 15c; oz., 30c; ¼ lb., 80c

M-73 GIANT SOUTHERN CURLED LONG STANDING. Large leaves often measure 14 inches; ready for use in about six weeks after sowing. Plants will continue to yield until frosty weather. Leaves boiled like spinach. Pkt., 15c; oz., 30c; ¼ lb., 80c

M-74 IMPROVED OSTRICH PLUME (Fordhook). The handsomest of the mustards. Pkt., 15c; oz., 30c; ¼ lb., 80c



Left to right in rear: New Italian Marrow, light green; next, dark green strain; Prolific Straightneck; Giant Summer Crookneck, Cocazelle, Vegetable Marrow. In front, Mammoth White Bush.

Improved Squash

GROWING popularity of squash as both summer and winter vegetable is due to the improvement in flavor, and texture of the flesh, and to the new methods in cooking, which bring the squash to the table with its taste unimpaired. For summer, bush squash and vegetable marrows are best suited to the home garden, the latter being delicious at all stages, from infancy to maturity. The new winter varieties Buttercup and Butternut, have rapidly become rivals of the older types in popularity. Butternut has perhaps the best texture and flavor and is also resistant to stem borer. If there is room for only one squash in your garden plant Butternut.

Sow one inch deep, in light soil, sunny location. Space bush types 3 feet apart in row, vine types in hills six feet apart, 3 plants to hill. Use summer squash at any size, delicious in baby stage.

WINTER VARIETIES

- S-40 UCONN.** 75 Days. A bush type of Acorn (gold medal winner 1950 All America). Pkt., 25c; oz., 45c; $\frac{1}{4}$ lb., \$1.85
- S-20 ACORN, TABLE QUEEN OR DES MOINES.** 80 Days. Extremely prolific; one of the most popular for home, market garden and shipping; fruits pointed acorn shape, $5\frac{1}{2}$ inches long and 4 inches through; skin smooth, dark green; shell thin; flesh light yellow, bakes dry and sweet. Pkt., 15c; oz., 45c; $\frac{1}{4}$ lb., \$1.25
- S-23 BUTTERCUP.** 100 Days. A distinct, outstanding winter squash developed at the North Dakota Agricultural College, highly productive, unique, turban-shaped, fruits 6 to 8 inches in diameter. Dry and of excellent quality. Pkt., 15c; oz., 45c; $\frac{1}{4}$ lb., \$1.25
- S-24 BUTTERNUT.** 100 Days. A recent introduction which in addition to top quality has the very important characteristic of being resistant to stem borer. The fruit may be held until spring in a cool dry spot. See novelty page 8. Pkt., 15c; oz., 45c; $\frac{1}{4}$ lb., \$1.25
- S-22 BLUE HUBBARD.** 110 Days. A third larger than Chicago Warded and more prolific. We believe that it is superior in yield, quality, size and keeping. The blue-gray shell is more attractive and many prefer it. Pkt., 15c; oz., 45c; $\frac{1}{4}$ lb., \$1.25
- S-25 CHICAGO WARTED HUBBARD.** 110 Days. Fruits are slightly larger than True Hubbard. Skin is rough and dark green. Flesh bright orange, fine grained, rich and dry. Pkt., 15c; oz., 45c; $\frac{1}{4}$ lb., \$1.25
- S-35 IMPROVED HUBBARD.** In 110 Days. Not as large as Chicago Warded, but in shape and quality similar. Flesh is sweet and fine grained, and fruits keep well. Pkt., 15c; oz., 45c; $\frac{1}{4}$ lb., \$1.25
- DELICIOUS** (Green or Golden). In 102 Days. A fall and winter variety. The fruit varies from 5 to 10 pounds each.
- S-27 GREEN.** Pkt., 15c; oz., 45c; $\frac{1}{4}$ lb., \$1.25
- S-29 GOLDEN.** Pkt., 15c; oz., 45c; $\frac{1}{4}$ lb., \$1.25



S-23 BUTTERCUP SQUASH. Pkt. 15c

Vegetable Marrows

- S-30 BLACK BEAUTY.** (All America). See Novelty page 8.
- S-39 CASERTA.** 60 Days. An Italian Cocozelle type that won a Gold Medal in All America. The fruits mature almost a week earlier in much greater numbers. The fruit are delicious at the size of a banana. Pkt., 25c; oz., 65c; $\frac{1}{4}$ lb., \$1.85
- NEW ITALIAN MARROW.** (Zucchini). 60 Days. When matured it is 18 in. long, 5 to 7 inches in diameter and an excellent keeper, very dark green. A bush type and very productive. There is nothing better for slicing and frying when small; if kept picked, it will continue to bear until frost. Delicious in the baby stage, 3 to 6 inches long.
- S-34 LIGHT GREEN OR GRAY STRAIN.** Pkt., 15c; oz., 45c; $\frac{1}{4}$ lb., \$1.25



S-22 SQUASH BLUE HUBBARD, Pkt., 15c

- S-33 DARK GREEN OR BLACK STRAIN.** Pkt., 15c; oz., 45c; $\frac{1}{4}$ lb., \$1.25
- S-26 COCOZELLE** (Italian Vegetable Marrow). Ready in about 65 Days. A bush variety. Fruits oblong, ribbed, 2 ft. in length. Color dark green with yellow and darker green stripes. Very fine flavor. Pkt., 15c; oz., 45c; $\frac{1}{4}$ lb., \$1.25
- S-28 ENGLISH VEGETABLE MARROW.** About 100 Days. (Cucurbita Pepo.) The fruit is generally eaten when less than half grown, as the flesh is then very tender. Also an excellent winter keeper when mature. Pkt., 15c; oz., 45c; $\frac{1}{4}$ lb., \$1.25

OTHER TYPES

- S-36 PROLIFIC STRAIGHTNECK.** 55 Days. Excels in tenderness, color and productivity. Served when about 6 in. long, it is delicious. Pkt., 15c; oz., 45c; $\frac{1}{4}$ lb., \$1.25
- S-32 MAMMOTH WHITE BUSH.** About 60 Days. The leading white summer squash. It is an improvement on the "Early White Bush Scallop" in that fruits are quite a bit larger. Vines are extremely prolific and disease resistant. Fruit should be used when immature. Pkt., 15c; oz., 45c; $\frac{1}{4}$ lb., \$1.25
- S-37 GIANT YELLOW SUMMER CROOKNECK.** In about 55 Days. Our strain produces fruit, nearly double the size of the old "Crookneck." (Cucurbita Pepo.) Pkt., 15c; oz., 45c; $\frac{1}{4}$ lb., \$1.25
- S-21 BANANA SQUASH.** In 105 Days. Of sweet potato quality, 12 inches long, 6 inches in diameter, gray green. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., 80c
- S-38 YELLOW SUMMER CROOKNECK.** Popular for home, market garden and shipping. Fruits are 12 to 14 inches long and $3\frac{1}{2}$ inches through; neck curved, skin orange, flesh yellow, moderately warty. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 75c



T-93 TURNIP PURPLE TOP WHITE GLOBE. Pkt., 15c

Turnips

TURNIPS are cool weather plants and thrive best in Spring and Fall. For early use, seed should be sown as soon as the ground can be prepared; it will give roots large enough for the table in six to ten weeks. For the Fall crop seed should be sown June to August, and the plants will grow until freezing weather, when they should be harvested and stored.

- T-93 PURPLE TOP WHITE GLOBE.** 57 Days. Originated from "Purple Top Flat Turnip," is extensively planted and popular for its fine qualities. The flesh is firm, fine grained, sweet and rich flavored; it is of good size, globe shaped, fine appearance, a good keeper. Pkt., 15c; oz., 25c; $\frac{1}{4}$ lb., 60c
- T-92 PURPLE TOP STRAP-LEAVED.** About 46 Days. A table variety, fine, tender and deliciously flavored. It is broad shaped, medium size, white flesh, fine grain, splendid quality. Pkt., 15c; oz., 25c; $\frac{1}{4}$ lb., 60c
- T-88 EARLY WHITE MILAN.** In 42 Days. This can be used spring or fall. The skin is smooth, snowy white, has a polished appearance; medium size, white, tender, sweet. Pkt., 15c; oz., 25c; $\frac{1}{4}$ lb., 60c
- T-95 SHOGOIN.** 30 Days. An extremely useful sort, it is quick growing and supplies large edible strap leaves as well as smooth globular roots of superior quality. Resistant to aphid and plant lice. Pkt., 15c; oz., 25c; $\frac{1}{4}$ lb., 60c
- T-94 SEVEN TOP.** 30 Days. A variety much grown in the south for the tops, which are used as greens. Pkt., 15c; oz., 25c; $\frac{1}{4}$ lb., 60c
- T-89 EXTRA EARLY PURPLE TOP MILAN.** About 42 Days. Standard sort for the home and market garden and for forcing. Roots are flat and tops small with strap leaves. Pkt., 15c; oz., 25c; $\frac{1}{4}$ lb., 60c

Rutabagas Mature in 90 Days

- R-31 IMPROVED AMERICAN PURPLE TOP.** Is a fine strain of Purple Top. Largest size, best shaped variety, small neck, smooth skin; good cropper and keeper. A heavy yielder. Excellent table quality. Pkt., 15c; oz., 25c; $\frac{1}{4}$ lb., 60c
- R-32 LAURENTIAN.** A purple top globe having rich yellow flesh, one of the deepest globes and free from excess roots. Pkt., 15c; oz., 25c; $\frac{1}{4}$ lb., 60c

Home Garden Tomatoes

NO HOME garden should be without this crop, which excels in nutritive value, heavy yield for space occupied, and the many ways in which it can be served. Whether the big ones or the commercial type are preferred for a main crop, an early variety should always be grown to start the harvest.

Plants started six to eight weeks before are set out two weeks after frost-praaf date when all danger of chill is over. Pruned plants can be grown to stakes or fence 18 inches apart; space unpruned 2 to 4 feet apart. Plants for late varieties can be grown from seed in open, preferably not transplanted.

HYBRID TOMATOES

- T-21 EARLY GIANT HYBRID.** 68 Days. Extra large red fruit, smooth, very prolific. 5-6 tomatoes to a cluster. Pkt. 50 seeds, 50c; ½ oz., \$6.00 Novelty Page 7.
- T-44 VAUGHAN'S EARLY HYBRID.** 68 Days. A heavy yielding, very early and large fruited variety. Pkt., 35c
- T-28 VAUGHAN'S HYBRID.** Midseason large flattened globe shape, fruits bright red, plants vigorous with heavy foliage. 1 pkt., 35c
- T-5 BURPEE'S BIG BOY.** Originator's Strain. 80 days. Large fruit, globe shape, midseason variety. Plants vigorous, dark green foliage. Averaging 8 ounces. 1 pkt. 35 seeds, 50c; ½ oz., \$7.50

LARGE TOMATOES

- T-19 GIANT TREE.** 88 Days. The most outstanding large tomato for size and quality, for description see Novelty Page 8. Packets only. 50c
- T-36 PONDEROSA.** 88 Days. One of the best for home use, fruits deep purplish pink, extremely large, commonly 9 to 12 oz. each; deep, but flat; very fleshy with few seeds; a very mild non-acid flesh. Pkt., 15c; ½ oz., 65c; oz., \$1.25
- T-34 OXHEART.** 90 Days. Popular, late home garden variety, fruits are heart shaped, pink, flesh solid with few seeds, of mild flavor and very choice for salads. Pkt., 20c; ½ oz., 65c; oz., \$1.25
- T-12 CRIMSON CUSHION OR BEEFSTEAK.** 96 Days. Is very large, round and regular; bright scarlet skin, solid flesh of best quality, seed cells small. Pkt., 15c; ½ oz., 65c; oz., \$1.25
- T-15 WINSALL.** (Henderson) 85 days. Giant high quality variety. Fruits purplish pink, solid and meaty. Excellent for home garden. 1 pkt., 25c; ½ oz., 65c; oz., \$1.25
- T-25 RICHMEAT.** (Henderson) 85 days. Large fruited variety of rich scarlet coloring, on plants of exceptional vigor. Fine for home gardens. 1 pkt., 25c; ½ oz., 65c; oz., \$1.25

EARLY, SMALL VINES

Do Not Prune

- T-16 EARLY CHATHAM.** 60 Days. The earliest tomato to mature fruit that we know of; fruits are small, very productive and rich red color. Exceptionally good for northern districts. Pkt., 15c; ½ oz., 50c; oz., 90c
- T-7 BOUNTY.** 65 Days. Compact, small vine, not to be staked. Introduced by Dr. Harold Mattson, North Dakota, Experiment Station. Excellent for the home garden, very productive. Pkt., 15c; ½ oz., 50c; oz., 90c
- T-17 FIRESTEEL.** 68 Days. A small vine tomato that produces remarkably large fruits early. Varieties are smooth, red of semi-acid flavor. It will set fruit when other types are dropping their blossoms and it resists cracking. Pkt., 15c; ½ oz., 50c; oz., 90c

EARLY, LARGE VINES

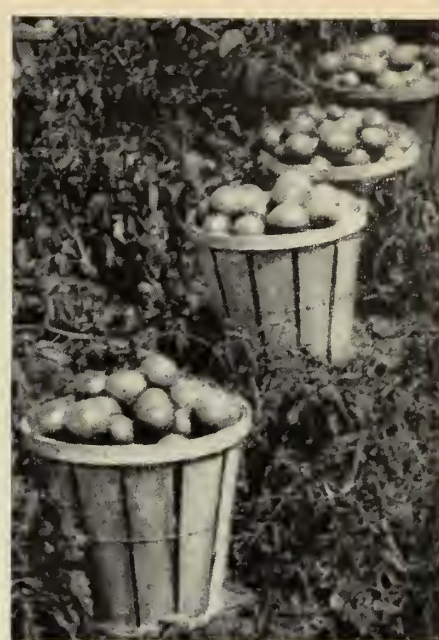
- T-41 EARLIANA.** 66 Days. Large, smooth bright red, compact with stout jointed branches; the vines yield well and the fruit is of fine quality. Pkt., 15c; ½ oz., 50c; oz., 90c
- T-26 JOHN BAER.** About 70 Days. Only a few days later than Earliana. John Baer yields a much heavier crop of larger, more uniform and attractive red fruits. Most profitable extra early sort. Pkt., 15c; ½ oz., 50c; oz., 90c
- T-6 BONNY BEST.** 74 Days. A shade later than John Baer, Smooth, large and uniform fruit; yields well until frost. Pkt., 15c; ½ oz., 50c; oz., 90c

BEST YELLOW VARIETY

- T-27 JUBILEE.** 80 Days. Mature fruits average more than half a pound; deep orange inside and out with solid flesh and so few seeds as to make seed production a problem. It is an excellent salad variety, with mild, non-acid flavor, but not flat, and it can be canned with success, but some will consider its juice insipid. Its vines grow vigorously and can be staked and pruned. Pkt., 20c; ½ oz., 55c; oz., \$1.00

WILT RESISTANT

- T-43 WILTMASER.** 85 Days. A new midseason variety with outstanding resistance to wilt. Pkt., 35c; ½ oz., 75c; oz., \$1.25
- T-20 MANALUCIE.** 88 Days An excellent deep globe red tomato. The fruit are large and quite resistant to cracking. Resistant to early blight as well as five other common diseases. Pkt. 35c; ½ oz., 75c; oz., \$1.25
- T-29 QUEENS.** 76 Days. New Red for 1952, bred by L. G. Schermerhorn of New Jersey Experiment Station. A cross between Rutgers and Valiant, giving early maturity to Rutgers type of fruit. Pkt., 25c; ½ oz., 65c; oz., \$1.25
- T-18 GARDEN STATE.** 83 Days. A recent introduction growing in popularity; plants are large and highly productive, fruits bright red, smooth, globular and solid. Pkt., 15c; ½ oz., 50c; oz., 90c
- T-31 MARGLOBE.** 77 Days. Second-early, red-fruited variety suitable for market or canning. Almost as early as Bonny Best, produces large, smooth, meaty, globular red fruits which ripen uniformly and are relatively free from cracks. They make a splendid canned product and first class pulp. Pkt., 15c; ½ oz., 50c; oz., 90c
- T-40 RUTGERS.** 86 Days. A New Jersey Experiment Station cross on Marglobe. The fruit are bright scarlet and slightly more flat than Marglobe. Highly recommended as a second early variety for canning and tomato juice. Pkt., 15c; ½ oz., 50c; oz., 90c



T-18 TOMATO GARDEN STATE. Pkt., 15c

- T-32 NEW GLOBE.** Matures in about 82 Days. This ball-shaped variety yields a heavy crop. The skin is a smooth, purplish pink. Uniform fruits. Pkt., 15c; ½ oz., 50c; oz., 90c
- T-23 IMPROVED NEW STONE.** 86 Days. Smooth skin, small core, fine-grained flesh with little acidity. Pkt., 15c; ½ oz., 50c; oz., 90c
- T-14 DWARF STONE.** The Largest Dwarf Tomato. 92 Days. It resembles "Dwarf Champion," but is of stronger growth and more erect, fruit bright red. Pkt., 15c; ½ oz., 50c; oz., 90c

SMALL FRUITED TOMATOES

- T-49 TINY TIM.** 45 days. The window-box tomato. This is earliest of all, bearing fruits ¾ to 1 inch in clusters. They have fine flavor and are decorative when grown in window boxes, or potted. 1 pkt., 25c
- T-51 ITALIAN CANNER.** 75 Days. A very productive long plum-shaped tomato. It is firm, not having any hollow parts, and the walls are exceptionally thick. Remains edible in storage two weeks after picking or frost. Pkt., 15c; ½ oz., 50c; oz., 90c

FOR GREENHOUSE

- T-45 LIVINGSTON GLOBE.** Pink. Strain A—for fall crop. Pkt., 25c
- T-42 LIVINGSTON GLOBE.** Pink. Wilt Resistant #3. for spring crop. Pkt., 25c

For Pickles and Preserves. 73 Days

- T-53 RED CURRANT.** Very small.
- T-52 RED CHERRY.** Small fruit, bright scarlet.
- T-54 RED PEACH.** T-57 YELLOW PEACH.
- T-59 YELLOW PLUM.** T-58 YELLOW PEAR.
- T-50 GROUND CHERRY, HUSK OR STRAWBERRY.** The small yellow fruit is enclosed in a husk. It is very sweet; prized for eating, preserving and pies. Any of the above pkt., 15c; ½ oz., 50c; oz., 90c.

Tobacco Seeds

- T-3 CONNECTICUT SEED LEAF.** Best adapted to northern states. Pkt., 15c; ½ oz., 40c; oz., 75c
- T-2 BURLEY.** Pkt., 15c; ½ oz., 40c; oz., 75c

Rhubarb

- R-27 MAMMOTH.** Vigorous and productive; stalks fifteen inches long. Pkt., 15c; oz., 45c; ¼ lb., \$1.25
- R-26 VICTORIA.** A popular red strain. Pkt., 15c; oz., 45c; ¼ lb., \$1.25
- RHUBARB ROOTS.** Set in spring they will furnish leaf stalks the following year. Order for \$3.00 or more prepaid. Add 35 cents for postage on smaller orders.
- CHIPMAN'S CANADA RED.** Stems dark red clear to heart. Makes a sweet fine flavored, beautiful red sauce. Divisions, \$1.00; 3 for \$2.75; 10 for \$7.50
- VALENTINE.** Newest and best red rhubarbs. Combines rich flavor, high quality and vigorous growth. Excellent for freezing. Divisions, \$1.35; 3 for \$3.50; 10 for \$10.00
- VICTORIA.** 2 years. 3 for \$1.25; 10 for \$3.50



T-40 TOMATO RUTGERS. Pkt., 15c

- T-38 PRITCHARD.** (Scarlet Topper). 76 Days. The fruit is solid, yield heavy and the color a brilliant red. It is a resistant second early of great merit. Pkt., 15c; ½ oz., 50c; oz., 90c
- T-47 VALIANT.** 70 Days. Maturing after Earliana but before Rutgers. Valiant will yield a fine crop, averaging 7 ounces per fruit. The fruits are smooth, heavy, solid and of fine quality, with a sparse vine growth; preferable where early maturity is paramount. Pkt., 20c; ½ oz., 55c; oz., \$1.00
- T-22 WISCONSIN 55.** 83 Days. A new, very fine red main crop variety that matures slightly ahead of Rutgers. Pkt., 15c; ½ oz., 50c; oz., 90c
- T-8 BREAK O'DAY.** 70 Days. A wilt resistant tomato that is nearly as early as Earliana and as productive as Marglobe. Its fruits are large, smooth, meaty, red and globular, very similar to Marglobe but usually larger. Use whole for salads or stuffed. Pkt., 15c; ½ oz., 50c; oz., 90c
- S-250 BLOSSOM SET HORMONE FOR TOMATOES.** Grow earlier, larger, meatier tomatoes. More on each plant. Easy to use Hormone spray. Stops blossom drop. Tomatoes ripen up to three weeks earlier, are larger, firmer; many are seedless. Excellent for strawberries, peppers, cucumbers, etc. 4 oz. bottle makes 1 gallon of spray, price each, 75c; postpaid 85c; pint, makes 4 gallons, price each, \$1.75, postpaid \$1.95.



- S-376 BLOSSOM SET AEROSOL BOMB,** ready to use, for 100 plants, each \$1.79; postpaid \$1.95

Top Ranking Gladiolus Varieties



SALMAN'S SENSATION



KING DAVID



MOTHER FISCHER



THE RAJAH

BEST OF THE NEW INTRODUCTIONS

All bulbs are prepaid at listed prices

6 bulbs take ½ dozen price

BUTTERFLY GLADIOLI

Miniature flowers of exceptionally brilliant colors, each marked with a darker color in the center. Flowers are graceful, and most popular in Holland as cut flowers. Assorted varieties and colors, 4 each of 5 varieties separately bagged and labeled, 20 bulbs, \$2.00.

GL102 BENJAMIN BRITTEN (K&M). Ex. A new, deep toned lavender approaching light purple. The 5-inch florets are well placed on a 6 foot spike. Early and strong grower. Doz., \$1.00; 25, \$2.10; 100, \$7.00.

GL103 BETTY DUNCAN (Benedict). Ex. Clear orange with golden throat. Does not burn in the sun. Tall plant with up to 7 4½ inch blooms open. Doz., \$1.00; 25, \$1.90; 100, \$7.00.

GL104 BURMA (Palmer). Deep rose with wide open heavily ruffled blooms. After the first floret opens practically every bud will show color. Fine exhibition variety. Doz., \$1.00; 25, \$1.90; 100, \$7.00.

GL105 ELMER'S ROSE (Fischer). Ex. As many as 22-24 florets of a deep rose, with ruffled petals, are borne on tall spikes. Flowers have exceptional substance, and color is unmatched. Doz., \$1.00; 25, \$1.90; 100, \$7.00.

GL107 FLORENCE NIGHTINGALE (Harris). Ex. Outstanding new white from Canada. Opens 8 well placed florets on tall straight spike. Doz., \$1.00; 25, \$2.30; 100, \$8.00.

GL108 FRIENDSHIP (Fisher). Ex. Bright true pink, blended with cream and white throat. It is a sensational propagator from small bulbs, and one of the first to bloom. Doz., \$1.00; 25, \$1.90; 100, \$7.00.

GL109 FRANCESCA. Pink Lavender with yellow blotch making beautiful contrast. Ruffled flower. Doz., \$1.50; 25, \$2.75; 100, \$9.00.

GL110 GAIL (Farmington-Moses) Dec. Tall growing lavender opening 7 to 9 florets with gracefully recurved petals. Color deeper at petal edge, spike straight and florets well placed. Doz., \$1.25; 25, \$2.25; 100, \$8.00.

GL111 GOLD. (Marshall) Ex. Exceptionally vigorous and healthy variety with rich yellow coloring. The large florets are attractively ruffled, and open to the tip of the strong, straight stem. Doz., \$1.50; 25, \$2.75; 100, \$9.00.

GL112 HARRISBURGER (Mikle) Ex. Very beautiful shade of deep cherry red. Wonderful color and a good strong grower. Opens 8-10 florets on a very rugged plant. A top notch variety and a fine propagator. Doz., \$1.50; 25, \$2.75; 100, \$9.00.

GL114 HELIOS. Fine Golden yellow. Ruffled and opens well. Good strong grower. Doz., \$2.00; 25, \$3.75; 100, \$13.00.

GL115 KING DAVID (Carlson). A seedling of King Lear it has similar deep purple color with a narrow silver picotee edging around all florets. Opens 10 ruffled florets on tall, strong spikes. Doz., \$1.25; 25, \$2.25; 100, \$8.00.

GL116 LEEUWENHORST (Salmon). Ex. Tall, with huge flowers of light rose tinted lavender. One of the strongest growers and largest flowers. Vigorous grower and good propagator. Doz., \$1.00; 25, \$2.00; 100, \$7.00.

GL117 LORELEI. (Howell). Glistening pure cream on tall graceful spikes, ruffled flowers, very strong grower, \$2.50 doz., 25 for \$4.00.

GL118 MOTHER FISCHER (Fischer) Ex. Heavy ruffled white with velvety texture which opens 8 florets of perfect placement. Tall, with long flower head. A winner at flower shows. Doz., \$1.25; 25, \$2.25; 100, \$8.00.

GL119 ORANGE GOLD (Marshall). Ex. Clear orange self color. Opens up 6 well placed florets on a tall spike. Doz., \$1.25; 25, \$2.25; 100, \$8.00.

GL120 PACTOLUS (K & M). Ex. Apricot cream with orange red blotch, opens 8 to 10 well placed florets. Of medium height but exceedingly showy. Doz., \$1.25; 25, \$2.25; 100, \$8.00.

GL121 PALETTE (Europe). Ex. Attractive variety of vermilion-red with contrasting purple-blue in throat. A vigorous grower with a fine spike. Doz., \$1.50; 25, \$2.75; 100, \$10.00.

GL122 PROSPECTOR (Leffingwell) Ex. Buff yellow with golden-lipped lower petals. Florets ruffled and round as a dollar fit neatly on the stately spikes, makes very nice spikes. Doz., \$1.75; 25, \$3.25; 100, \$12.00.

100 Large-size Bulbs of 10 Top Ranking Glads Only \$7⁰⁰ Prepaid

Ten of each of the following ten Prize Winning varieties (100 first size Bulbs) will be sent postpaid for \$7.00.

½ Portion, 50 Bulbs \$3.60

LAKE GENEVA COLLECTION

- 10 Gold, yellow.
- 10 King David, deep purple.
- 10 Spic an' Span, pink.
- 10 Mother Fisher, white.
- 10 San Souci, scarlet.
- 10 Orange Gold, orange.
- 10 Elizabeth the Queen, lavender.
- 10 Salman's Sensation, blue purple.
- 10 Francesca, lavender pink.
- 10 Prospector, buff yellow.

GL123 PURPLE BURMA (Boewe) Ex. A deep purple sport of that grand variety Burma, with all that variety's good qualities and some besides. It seems to grow taller and stronger and is a much better propagator than Burma. Doz., \$1.75; 25, \$3.25; 100, \$12.00.

GL124 RED RADIANCE. (Milk). 7-9-5 inch Florets, bright red, extremely prolific. \$1.00 doz., 25 for \$2.00; 100 for \$7.00.

GL125 THE RAJAH (Jack) Ex. Large and vigorous reddish purple opening 8 to 9 6-inch florets on long, strong stems. An outstanding flower in the garden or on the exhibition table. A great prize winner. Doz., \$1.25; 25, \$2.25; 100, \$8.00.

GL126 RED WING (Graft). Ex. An exhibition red which opens 10 large blooms with 6 more showing on a head of 22 buds. Opens well when cut tight. Doz., \$1.00; 25, \$1.90; 100, \$8.00.

**Imported Dutch
Jumbo Gladioli
1³/₄-2 Inch**

**Clean Large Bulbs
All The Same Price!
Take Your Pick!**

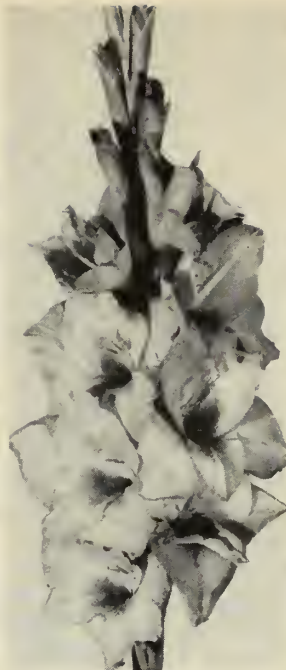
Only

**\$60.00 per 1000 \$7.00 per 100
\$2.00 per 25 \$1.00 per dozen**

- GD500 **ACCA LAURENTIA** Orange
- GD501 **AMERICAN EXPRESS** Bright Yellow
- GD502 **BLOEMFONTEIN** Salmon Yellow blotch
- GD505 **HAWAII** Blood red
- GD506 **JOE WAGENAAR** dark red
- GD507 **JOHANN STRAUSS** Light red
- GD508 **LAVENDER DREAM** lavender
- GD509 **LEEUWENHORST** Pure Pink
- GD510 **MANSOER** Deep velvet red
- GD511 **MERRY WIDOW** Two-tone, purple lilac with white spot
- GD512 **MODERN TIMES** Carmen Purple
- GD513 **MRS. MARKS' MEMORY** purple
- GD514 **PACTOLUS** Pink red blotch
- GD515 **PALET** Vermillion with purple blotch
- GD516 **RAVEL** Deep blue
- GD517 **RED FOX** Bright red
- GD518 **SAN SOUCI** scarlet
- GD519 **SILHOUETTE** Smoky violet
- GD520 **SNOW PRINCESS** white



SPIC AN SPAN



RED WING



SPARKLING EYES

To Kill Gladiolus Thrips

5155 ACME 5% DDT DUST. Controls Gladiolus Thrips, Rose Chafer, Japanese Beetle, Corn Earworm, and many other chewing sucking insects on a variety of flowers and ornamentals, etc. 1 lb. 60c, postpaid 85c; 4 lbs., \$1.35, postpaid \$1.75.

5294 ACME 50% MALATHION SPRAY. Controls Aphids, Thrips, Whiteflies, Mealybugs and Soft brown scale infesting flowers and ornamentals. Use 1 1/2 teaspoons to a gallon of water. 1 oz. 50c, postpaid 60c; 4 oz. ea., \$1.25, postpaid \$1.40; 1 pint \$3.00, postpaid \$3.20.

GL202 ETHEL CAVE-COLE (Cave). Ex. Pure light pink sometimes flaked. Makes a spike of 9 to 10 large, well placed blooms on a head of 20 to 24 buds. Doz., 90c; 25, \$1.70; 100, \$6.00.

GL204 PICARDY (Palmer). Ex. A most sensational flower of delicate apricot-pink. Doz., \$1.00; 25, \$2.10; 100, \$7.00.

GL205 ROSA VAN LIMA (Pfitzer). Dec. Pure self-colored light pink. Doz., 90c; 25, \$1.70; 100, \$6.00.

GL207 SPIC AN SPAN. (Carlson). Ex. Giant deep pink ruffled florets, 10 open of its 22 buds together, with all the rest showing color. It consistently makes fine spikes from any size bulb and increases rapidly. Outstanding as a commercial and show flower. Doz., \$1.00; 25, \$2.10; 100, \$7.00.

ORANGE

GL152 ORANGE GOLD (Marshall). Ex. Clear orange self color, opening six well placed florets on tall spike. Doz., \$1.20; 25, \$2.30; 100, \$8.00.

RED

GL212 VALERIA (Pruitt). Dec. Improvement on Dr. Bennett, soft red with a narrow mark of light cream in the throat. Stands heat well; never crooks. Five to seven large ruffled flowers of good substance open at one time. Doz., \$1.20; 25, \$2.30; 100, \$8.00.

GL214 RED CHARM (Butt). Ex. One of the finest medium reds, opening 8 to 9 large well placed florets on tall straight stem. Thrives in hot weather. Doz., \$1.25; 25, \$2.25; 100, \$8.00.

YELLOW

GL251 GELBER HERALD (YELLOW HERALD) (Pfitzer). Dec. Amber yellow, carmine in the throat. The large wide open flowers are well placed and spaced on a strong stem. Doz., 90c; 25, \$1.70; 100, \$6.00.

GL172 SPOTLIGHT (Palmer) Ex. Deep yellow, red throat, most popular yellow today. Doz., \$1.20; 25, \$2.30; 100, \$8.00.

WHITE

GL262 LADY JANE. Cream White. Doz., \$1.00; 25, \$1.60; 100, \$6.00.

GL263 MARGARET BEATON (Twomey). Ex. New immense white with orange-scarlet blotch. Doz., \$1.20; 25, \$2.30; 100, \$8.00.

GL265 SNOW PRINCESS (Pfitzer). Ex. Tall white with long flower spike and many open blooms that are always perfectly placed. Mid-season. Doz., 90c; 25, \$1.70; 100, \$6.00.

GL266 WHITE GOLD (Scheer). Ex. Clear light cream shading to golden throat. 4 to 6 very large well placed blooms open at one time. Doz., 90c; 25, \$1.70; 100, \$6.00.

BLUE AND PURPLE

GL233 RAVEL (K & M). Ex. One of the best new blues. Clear medium blue—with attractive purplish blotch. Good winner at the Holland shows. Doz., \$1.50; 25, \$2.75; 100, \$10.00.

GL234 PAUL RUBENS (Salman). Ex. Dark reddish violet, of the color so popular with women. It opens several large florets together on a tall, strong spike. Doz., \$1.25; 25, \$2.25; 100, \$8.00.

GL235 PURPLE SUPREME (Wilson). Ex. Tall plant with many well placed bright purple flowers. Fine exhibition variety. Doz., \$1.25; 25, \$2.25; 100, \$8.00.

LAVENDER

GL241 ELIZABETH THE QUEEN (White). Ex. Clean mauve with darker lines on throat; beautifully ruffled. Very fine lavender of distinction. Doz., 90c; 25, \$1.70; 100, \$6.00.

Vaughan's "Standard" Mixture: 50 Bulbs. First Size . . . \$3.00

We do not send out any mixtures that will not make a brilliant showing in the gardens of our customers. This one will be found satisfactory everywhere, for mixed beds, borders and masses. These are first-size bulbs. Where wanted by mail add for postage at zone rates, 100 bulbs packed, 6 lbs.
Doz., 90c; 25, \$1.70; 100, \$6.00; 1000, \$50.00.

"We recommended to our customers POPULAR GARDENING, America's gardening magazine, filled with How-To-Do-it gardening features and pictures and The Saturday Evening Post, a weekly magazine which is outstanding for good fiction and informative articles."

**General List
PINK AND ROSE**

GL201 CHAMOONY (Baerman). Ex. Rich, light rose with paler edging; perfectly placed florets on slender spike, eight or more open at same time. Doz., 90c; 25, \$1.70; 100, \$6.00.

BULBS SHIPPED SEPARATELY FROM SEED

Because of weather conditions we ship bulbs after March 20th, except to customers in the south or California, to whom we ship at once, packed against freezing.

Summer Flowering Bulbs

All bulbs prepaid at listed prices. Six bulbs at half the dozen rate.

ACHIMENES

This is closely related to the gloxinia. Plant 6 to 7 bulbs in a 5-inch pot, or 9 to 10 in a 6-inch pot. The soil used for potting should be rich in humus and of an open, porous nature, allowing perfect drainage. A good mixture to use is equal parts of loam, leaf mold and sand. About one-third of the depth of the pots or pans should be occupied with drainage. After the young growth appears, great care should be taken to keep the soil moist, for a single severe drying will ruin the plant. Blooming time 8 to 10 weeks after planting. Mixed colors 3 for 60c; doz., \$2.00; 100, \$15.00.



ACHIMENES



DOUBLE BEGONIA



HYACINTHUS CANDICANS

ACIDANTHERA BICOLOR MURIELAE

Flowers resembling the gladiolus grow from similar bulbs or corms. The 2-inch florets are white with deep violet blotch, on 2 foot stems. Plant late in full sun 5 inches deep, 4-5 inches apart. Keep bulbs warm and dry. Bulbs, doz., 75 cents; 100, \$5.00.

ANEMONE (Windflower)

They succeed best in light, rich, well-drained loam.

ST. BRIGID. Flowers range from the deepest crimson to the purest white, embracing cobalt, scarlet, rose, salmon-pink, and heliotrope. Most are semi-double. $\frac{3}{8}$ — $\frac{1}{4}$ inch. Doz. 95c; 100, \$6.50; 1,000, \$55.00.



GLOXINIAS



ISMENE CALATHINA



TUBEROSES

Tuberous Begonias

Complete instructions sent with tubers.

DOUBLE CAMELLIA FLOWERED

For smaller bulbs see back cover.

Red, White, Pink, Salmon, Orange, Yellow

	Doz.	25	100
1½-2 inch.....	\$2.00	\$4.00	\$15.00
2 inch.....	3.00	5.50	20.00

Carnation-Flowered

1½-2 inch.....	\$2.60	\$5.00	\$18.00
2 inch and up.....	4.00	7.50	27.00

LLOYDII OR PENDULA. Used in hanging baskets. It is an unsurpassed strain containing double flowers only. Excellent for Rock Garden Work. Doz., \$2.75; 25, \$5.00; 100, \$23.00.

MULTIFLORA HYBRIDS MIXED. In a shady place where they can be well watered these compact plants will bear double flowers of gorgeous coloring. They will blossom until killing frost. These bulbs are small by nature. Doz., \$3.00; 25, \$5.50; 100, \$20.00.

CALLA LILIES

CALLA ELLIOTTIANA. Flower rich golden yellow; foliage dark green with creamy spots. Makes a good pot plant for indoor culture. Does well outside even in full shade. Besides blooms it will act as a foliage plant all summer. Each, 35c; doz., \$3.50; 100, \$25.00.

RICHARDIA MACULATA. Spotted leaf, white flower—Can be planted out of doors after danger of frost is over. Take up in fall before freezing. Each, 35c; doz., \$3.50; 100, \$25.00.

REHMANNII SUPERBA. The rare Pink Calla Lily. Rather dwarfier and smaller flowered than the White Calla, but of alluring coloring, palest blush to pure rose. 1½ to 2 inch. Each, 35c; doz., \$3.50; per 100, \$25.00.

GLOXINIAS

These showy plants are easily grown in pots and transplanted to a garden bed, preferably in a semi-shaded place.

Red, White, Blue or Mixed. Red or Blue may include some white.
1½ in., Doz., \$4.00; 25, \$7.50; 100, \$27.00.

HYACINTHUS CANDICANS

SUMMER HYACINTH. Perfectly hardy and of vigorous growth. Flowers are pure white and pendulous, 4 feet high. First size, each, 15c; doz., \$1.50, prepaid; selected size, each, 25c; doz., \$2.50, prepaid.



MONTBRETIAS



TIGRIDIA



ZEPHYRANTHES

ISMENE CALATHINA

PERUVIAN DAFFODIL. Flowers are pure white, borne three or four on a stem and are very fragrant. Not hardy. Price, each, 35c; doz., \$3.50, prepaid.

MONTBRETIAS

Montbretias are easily grown and their graceful flower-stems add much to any garden. They are highly valued for cut flowers. Our mixture contains yellow, salmon, orange and scarlet.

They do best in a light, loamy soil enriched with leaf mould and a little lime, no manure. Where the ground freezes deeply in the winter, they can be treated as gladioli. But in localities where the ground does not freeze deeply, the usual winter protection may be given, and they will multiply. Balanced Assortment. Price, 3 for 40c; doz., \$1.50; 100, \$10.00, prepaid.

RANUNCULUS (Buttercup)

Set 3 or 4 inches apart, pressing firmly into the soil, claws downward and cover them with sand, then with soil; keep the crown of the tubers four inches under the surface. Water them well.

VICTORIA HYBRID MIXED. Far superior to any Ranunculus that we know. Flowers are double and large— $\frac{1}{2}$ — $\frac{3}{4}$ inch. Doz., 75c; 100, \$5.00; 1,000, \$45.00.

OXALIS

DEPPEI. Bright coppery red flower. Leaves like four leaf clover, bright green. Doz., \$1.75; 100, \$12.00.

TIGRIDIA

(Shell-Flower of Mexico)

Few flowers are more gorgeously colored or so beautiful. Plant in sunny positions in a flower border in well-drained soil. Put a little sand under the bulb. Can also be used in beds. They bloom from July until frost. Height, 3 ft.

Mixed colors. Price, 3 for 55c; doz., \$1.75; 100, \$12.00, prepaid.

FAIRY LILY

Zephyranthes, Zephyr Lily

One of the prettiest and most easily grown bulbs. Plant in open ground like gladiolus bulbs.

CANDIDA. Pure white and the most profuse bloomer of all. Doz., 80c; 25 for \$1.50; 100, \$5.00, prepaid.

ROSEA. Beautiful clear rose; flowers large and very handsome. 3 for 40c; doz., \$1.50; 100, \$10.00, prepaid.

All Bulbs are prepaid at listed prices. Six bulbs take 1/2 of Dozen price.

TUBEROSES DOUBLE

EXCELSIOR DWARF PEARL DOUBLE. Easily recognized by its exquisite fragrance and beautiful flower-spikes, which are borne on long stems, making it an admirable cut flower. If started in pots, and at the end of May moved to open ground, can be flowered much earlier. **First Size**—Each, 20c; doz., \$2.00; 25 for \$3.75; prepaid. **Second Size**—Price, doz., \$1.50; 25 for \$2.85; prepaid.

RESURRECTION LILY

Shipped in July

(*Lycoris Squamigera*) For Outdoor Planting

AMARYLLIS HALLII. Produces in early spring attractive green foliage which grows until May, when it ripens off and disappears, and one not familiar with its habits would think the bulb had died, but about a month later, as if by magic, the flower stalks spring from the ground to a height of two or three feet, developing an umbel of large and beautiful lily-shaped flowers three to four inches across and from eight to twelve in number, of a delicate lilac-pink shaded with clear blue.

Culture—The bulb is perfectly hardy without any protection. The proper time to plant is in the summer when the bulb is dormant. Cover the crown about four inches. Each, 90c; doz., \$9.00.

LILY OF THE VALLEY

Lily of the Valley is one of the best ground covers for shady places in the home grounds. It spreads rapidly crowding out weeds, and the fragrant blossoms come early in the spring in great abundance.

Clumps. Each, 60c; three for \$1.50; doz., \$5.50.

LILIUM CANDIDUM

Shipment in Aug. and Sept.

Legend is rich in praises and reference to the Madonna Lily. The flowers, are snow-white, with heavy yellow stamens, and of the most delightful fragrance. It is hardy and will thrive in any ordinary soil, preferring plenty of light and air. Blooms in the open ground about June 20th.

18-20 CENTIMETERS (7-8 inch circumference). Each 30c; dozen, \$3.00; 100, \$20.00.

20-22 CENTIMETERS (8-8 1/2 inch circumference). Each, 35c; dozen, \$3.50; 100, \$25.00.

22-24 CENTIMETERS (8 1/2-9 1/2 inch circumference). Each, 50c; dozen, \$5.00; 100, \$35.00.

26 CENTIMETERS and over (10-11 inch circumference). Each, 75c; dozen, \$7.50; 100, \$55.00.

28 CENTIMETERS and up (11-inch circumference and up). Each, 90c; dozen, \$9.00; 100, \$70.00.



LILIUM REGALE (Royale Lily)

Loveliest Garden Lilies, 12 Pre-paid \$3.60

3 Each of following 4 Varieties

6 Each of following 4 Varieties, 24 bulbs, \$7.00

These are the largest and easiest lilies for the amateur to grow in average garden soil, without special treatment. In well drained locations they will live for years, flowering each summer. Planting instructions included.

BL101 LILIUM REGALE. (Royal Lily). Its large, fragrant, trumpet flowers are pure white on the inside of the petals, the outside striped with pink. It flowers early, in clusters of buds which open slowly until all are in full glory. Longest lived of all in ordinary garden soil. Large bulbs, 8-9 in. Each 35c; doz., \$4.00; 100, \$30.00.

BL102 L. RUBRUM. The white petals of this Japanese lily are curled back, and so flushed deep pink with carmine dots, that only the margins are clear white.

It grows to 4 feet and flowers may reach 6 inches in diameter. It is free from disease and lives for years in the coldest regions. Large Bulbs. 8-9 in., Each 35c; doz., \$4.00; 100, \$30.00.

BL103 LILIUM UMBELLATUM. These beautiful lilies perform like the hardiest of perennials, growing matted roots which can be divided like herbaceous plants. Their orange and crimson flowers are held upright in clusters on stems 3 feet tall. Blooming in June, they will thrive in any garden soil and multiply. 7-8 in., Each, 40c; doz., \$4.00; 100, \$35.00.

BL104 LILIUM PHILLIPINENSE. A graceful lily with grassy foliage and long, trumpet flowers of purest white, marked externally with reddish brown. Flowers are fragrant, 3 foot stems. Each 5-6 in., 35c; doz., \$3.50; 100, \$24.50.

Imported Super-Giant Amaryllis

Bulbs 3-4 inches in diameter, your choice of white, orange, red, scarlet, dark red, salmon or striped. Each \$3.00; \$35.00 per doz. prepaid.

Famous Holland Strain

Largest of flowers which can be grown indoors, and among the largest that grow in gardens, these Amaryllis can be flowered indoors in pots, or set out in the garden after danger of frost is over.

They are giants of their race, and since they are not grown from seed but from bulblets, their color is known in advance. They exactly reproduce their parent bulbs, which are grown in greenhouses in Holland and are carefully selected for vigor and beauty.

This exclusive strain is famous for outstanding beauty, clear coloring, size of flowers. They may be kept for years, and will produce their beautiful flowers annually.



GIANT AMARYLLIS, IMPORTED HOLLAND STRAIN.

Flowers are borne in clusters of three, or four which open in succession. Sometimes three clusters are matured from one bulb.

Other Garden Lilies

EASTER LILIES SEMI-HARDY

CROFT LILY. Widely used by florists for Easter flowering, this Oregon hybrid bears large pure white trumpets on sturdy stems 12 to 14 inches tall. It is suited for outdoor planting on the Pacific Coast, in southern states and elsewhere if given good winter protection. Blooms July-August. Each, 80c; dozen, \$8.00; 100, \$60.00.

LILIUM TENUIFOLIUM

The lovely Coral Lily of Siberia. Grows 20 inches high, with finely cut foliage, slender stems and beautifully shaded coral-red flowers. Blooms very early. 3 inch and up. Each, 25c; doz., \$2.50; 100, \$17.50.

AMARYLLIS

American Grown Mixed Bulbs

These bulbs are grown from seed, and produce flowers having a wide range of colors, including red, pink and white in attractive stripes and patterns. The flowers may exceed 6-inches in diameter, and are borne in clusters, often two or three clusters in succession. The bulbs can be saved and flowered each year.

Mixed. Including many color blends.

	Each	Doz.	100
2 1/4-2 1/2 in. Dia...	\$0.35	\$3.50	\$25.00
2 1/2-2 3/4 in. Dia...	.50	5.00	35.00
2 3/4-3 in. Dia...	.60	6.00	40.00
3 -3 1/4 in. and up. Dia.	1.00	10.00	75.00



FORMAL DECORATIVE



SEMI-CACTUS



STRAIGHT CACTUS

New and Standard—Large Flowering Dahlias

IN THE following we offer what we consider the best of the Foreign and American Dahlias. We will supply **Roots** of proper planting size on all varieties listed.

KEY TO ABBREVIATIONS: F.D., Formal Decorative; I.D., Informal Decorative; S.C., Semi-Cactus; Str. C., Straight Cactus; I.C., Incurred Cactus.

DH1 ARTHUR GODFREY. F.D. 12". Enormous flower of orient red with buff shadings. One of the largest of all dahlias. Each \$1.25; 3 for \$3.00.

DH2 AVALON. F.D. 10". Beautiful clear yellow. Old favorite for commercial use. Favors cold weather. Each 50c; 3 for \$1.25.

DH3 BARBAROSSA. F.D. 10". Outstanding cardinal red with crimson glow. Tall bushes, consistently good. Each \$1.00; 3 for \$2.50.

DH4 BERGER'S MASTERPIECE. C. 8". The outstanding favorite in our cactus plantings. Color is soft lavender-pink with a yellow base. Narrow incurved florets borne profusely on tall, wiry stems. Each \$1.00; 3 for \$2.50.

DH7 BLIJHEID. C. Pure bright orange, perfect forms. Each \$1.00; 3 for \$2.50.

DH10 CLARA CLEMENS. Ball. Very striking bicolor. Medium size red flowers with white tips. Excellent commercial. Each 50c; 3 for \$1.25.

DH11 COMMANDO. F.D. 10". An excellent deep lavender garden variety. Produces many flowers on tall healthy bushes. Each 50c; 3 for \$1.25.

DH16 D. DAY. F.D. 8". Solid colored true pink commercial. Medium size flowers of great abundance. Each 75c; 3 for \$1.75.

DH17 DEUIL DU ROI ALBERT. F.D. 8". The favorite florist bi-color. Flowers are violet purple with white tips. Free flowering and very striking. Each \$1.00; 3 for \$2.50.

DH21 EASTERN ECHO. F.D. 8". Variable red-lavender spotted. Medium size and free flowering. Each 50c; 3 for \$1.25.

DH22 FIVE STAR GENERAL. F.D. 10". Very large, light amaranth pink with tips of soft maize yellow. Sturdy bush with real stiff stems. Each \$1.00; 3 for \$2.50.

DH25 GALLANT FOX. F.D. 8". A leading commercial red that should be included in every dahlia planting. One of the few dahlias that can be successfully marketed in the hottest weather. Each 50c; 3 for \$1.25.

DH27 GOLDEN ECLIPSE. F.D. An old favorite and still hard to beat in this color. Each 75c; 3 for \$1.75.

DH30 JANE COWL. I.D. 10". Large shaggy flower of copper and gold. While not a commercial cut flower, this old favorite is still one of the most popular for garden use. Each 75c; 3 for \$1.75.

DH31 JEAN KERR. F.D. 8". The most popular white commercial cut flower. The exceptional keeping quality of the medium size flowers make them ideally suited for floral work. Each 50c; 3 for \$1.25.

DH32 JERSEY'S BEAUTY. F.D. 8". Clear pink. Truly beautiful. Each 75c; 3 for \$1.75.

Three Giant \$1 Dahlias . . . 1

When labels become detached from our named varieties, the Roots cannot be used to fill regular orders. We offer such Roots at this special price, insuring the purchaser of an outstanding value. Identification is usually easy when the flowers bloom.

DH36 KENTUCKY SPORTSMAN. I.D. 10". A striking combination of orange, yellow and rose. Large flower. Each \$1.00; 3 for \$2.50.

DH38 LE TOREADOR. F.D. Medium size flat flowers of glowing deep red on strong stems. Each 50c; 3 for \$1.25.

DH39 MADAME ELIZABETH SAWYER. The finest lavender cactus flowered variety—consistent winner at flower shows. Each \$1.00; 3 for \$2.50.

DH40 MADONNA. I.D. Enormous and beautiful pure white. Each \$1.00; 3 for \$2.50.

DH41 MAFFIE. S.C. 9". Huge blooms of intense bright red. A consistent show winner. Each \$1.25; 3 for \$3.00.

DH42 MICHIGAN WHITE. S.C. 8". Extra fine commercial variety. Many perfectly shaped white flowers borne on long, strong stems. Each \$1.00; 3 for \$2.50.

DH43 MONARCH. F.D. 10". Huge flowers of rich velvet red. Outstanding garden dahlia. Each \$1.00; 3 for \$2.50.

DH44 MRS. GEO. LE BOUTILLIER. F.D. 8". Rich velvety carmine, produces giant flowers on long stems. Good garden variety. Each 50c; 3 for \$1.25.

DH45 MRS. JAMES ALBIN. F.D. Soft lemon yellow, strong bush producing excellent cut flowers. Each \$1.00; 3 for \$2.50.

8 CHAMPION VARIETIES RAINBOW COLORS

- DH5 BARBAROSSA.** Red.
- DH7 BLIJHEID.** Orange.
- DH16 D DAY.** Pink.
- DH17 DEUIL DU ROI ALBERT.** Bicolor.
- DH22 FIVE STAR GENERAL.** Pink.
- DH39 MADAME ELIZABETH SAWYER.** Lavender.
- DH45 MRS. JAMES ALBIN.** Yellow.
- DH79 WORLD EVENT.** Rose.

One each of above 8 for \$3.95 (\$7.50 value)

DH46 MRS. I. DE VER WARNER. F.D. 10". Bright lilac rose. A must in every garden collection. Each 50c; 3 for \$1.25.

DH47 OGDEN REID. F.D. The finest, largest, pink blooming dahlia. Most dependable. Always a fine plant with huge pink blend blossoms. 10". Each \$1.00; 3 for \$2.50.

DH50 RED JERSEY. F.D. 8". Bright red. Good form, color and stem. Late. Each 50c; 3 for \$1.25.

DH51 RED and WHITE. F.D. A consistently good bicolor. Red base with white tips. Each 75c; 3 for \$1.75.

DH57 ROSE GLORY. F.D. 8". Growth habits similar to Mrs. I. De Ver Warner. Flowers are a sturdy deep rose-pink. Each 50c; 3 for \$1.25.

DH58 RUBY TAYLOR. F.D. Ruby Red with purple shadings. Each \$1.00; 3 for \$2.50.

DH66 SILVRETTA. C. 8". Lilac salmon-rose flowers medium size but borne in great abundance. Each \$1.00; 3 for \$2.50.

DH68 SON OF SATAN. I.C. 10". Intense flame red on excellent stems. Very striking. Each \$1.25; 3 for \$3.00.

DH72 THE COMMODORE. I.D. 8" Color is bright lemon yellow. Flowers held high above foliage on long, stiff stems. Very profuse. Each 50c; 3 for \$1.25.

DH75 WATCHUNG GIANT. I.D. 12". A huge yellow gold variety that is a constant performer for garden use. Fine form and substance on good stems. Each 50c; 3 for \$1.25.

DH76 WHITE KING. F.D. 8". One of the leading pure whites with perfect form and substance on good stems. Each 50c; 3 for \$1.25.

DH77 WHITE SUPERIOR. C. 8". Large pure white cactus with perfect form and excellent growth habits. Each \$1.00; 3 for \$2.50.

DH79 WORLD'S EVENT. I.D. 10". Large tyrian rose flowers on vigorous healthy bushes. Beautiful garden dahlia. Each 75c; 3 for \$1.75.

MINIATURE DAHLIAS

DH121 BISHOP OF LLANDORF. Attractive bright scarlet flower with bronze foliage.

DH122 BLUE EYE. Formal lavender-pink with dark center.

DH124 CORALETTE. Clear coral. Excellent cut flower.

DH128 IKE. Rich red, very profuse. Fine cut flower.

DH132 PEGGY LINDLEY. Clear golden orange on long graceful stem. Excellent keeper.

DH138 SANDRA. Red and white formal bicolor.

DH141 WHITE FAWN. Without doubt the finest decorative white variety. Extremely free flowering. Price on the above 7 varieties—Each 60c; 3 for \$1.50.

OFFER D-2. 1 each of above 7 varieties for \$3.50.



POMPON DAHLIAS

- DH101 ALBINO.** Small flowers of pure white. Free flowering.
- DH102 AMBER QUEEN.** Solid amber color. Beautiful shade. Flowers larger than average.
- DH103 CARDINAL.** Tall growing with medium size deep red flowers.
- DH104 LITTLE HERMAN.** A red and white pompon. Perfect form and shape.
- DH106 MARY MUNNS.** Fine lavender variety that is considered the very best among florists. Good producer.
- DH107 MORNING MIST.** A fine florist's variety. Color is rosy-lavender over-lay on white base.
- DH110 YELLOW GEM.** Creamy yellow and considered best in this color.

Price on the above 7 varieties—Each 50c; 3 for \$1.25.

Offer D-1. 1 each of above 7 varieties for \$2.75.

SUBBURY SOIL TEST KITS

—Easy to Use
No Knowledge
of Chemistry
Required

The Cheapest
form of Gar-
den Insurance

S-809 HOME GARDENER (MODEL D). A 20-test kit—Tests for nitrogen, phosphorus, potash and acidity—giving all essential information to produce maximum crops. Complete with instructions and data on plant needs. Each \$3.98; postpaid \$4.25.

S-810 POPULAR GARDEN (MODEL C). Makes 50 individual tests for nitrogen, phosphorus, potash and acidity. Cased in attractive plastic box. Complete instructions. Helpful chart shows need of lawn grasses, 75 flowers, 50 vegetables each \$6.98; postpaid \$7.30.

Testing Fluid for Refill—Specify whether for nitrogen, phosphorus, potash, or acidity. When ordering the above, it requires **S-788** No. 2 and **S-789** No. 3 to make Nitrogen Tests. **S-790** No. 4 and **S-791** No. 5 for Phosphorus Tests and **S-792** No. 6 and **S-793** No. 7 to make Potash Tests, therefore when ordering, please order two numbers. **S-787** Lime; 2 oz. bottle, each \$1.35, postpaid \$1.50; 6 oz. bottle, each \$2.50; postpaid \$2.70.

SUBBURY TAILOR MADE FERTILIZER

Now you can get units of Nitrogen, Phosphorus, or Potash. Each unit in separate plastic bag. Makes it easy to add the unit in which your soil may be deficient. Each in 1 lb. bags contains 40% of soluble plant food. When ordering specify the unit desired. **S-812** Nitrogen **S-813** Phosphate **S-814** Potash. Price each 79c; postpaid 85c. Three packages postpaid for \$2.25.



Tropical and Hardy Water Lilies

TWO TROPICAL \$4.50 Water Lilies

(Catalog Value \$5.25)

One each Blue Beauty (Sky blue);
Missouri (White night bloomer).

TWO HARDY \$3.50 Water Lilies

(Catalog Value \$4.50)

One each of Gloriosa (Cormine rose) and
Chromotella (Conary yellow).
Two unusual and beautiful varieties sel-
dom offered in collections.

TROPICAL WATER LILIES

Set out after June 1st in vicinity of Chicago. By August 1st will be in full bloom. Must have warm water and full exposure to sun. All are day bloomers, except Missouri, Juno, Hitchcock, and Rubra Rosea.

AUGUST KOCH. Medium sized lovely lavender flowers. Free flowering. \$2.50

FRANCES GRIFFITH. Outstanding royal purple. Best of its color. \$2.75.

MRS. W. R. JAMES. A finer pink than Pershing. Huge flowers. \$2.50.

BLUE BEAUTY. Huge sky-blue. Most vigorous. \$2.50.

MRS. GEORGE PRING. Star-shaped white flowers, free-blooming. \$2.50.

MISSOURI. Huge white flowers open at night. \$2.75.

JUNO. Huge white night bloomer. Very free and fragrant. We urge those who are not at home during the day to try night bloomers for greater enjoyment of the water garden. \$2.75.

MRS. GEORGE C. HITCHCOCK. A pure rose pink night bloomer. Free blooming and of unusual size. \$2.75.

PINK PEARL. Brightest pink of lovely form. \$2.50.

RUBRA ROSEA. Brilliant rosy carmine. \$2.25.

COLLECTIONS OF

Oxygenating and Ornamental Aquatic Plants

1. Collection for small Aquariums, \$2.50.

Italian Vallisneria	Corkscrew Vallisneria
Sagittaria Natans	Anacharis
Eladia	Water Sprite

2. Collection for medium sized, \$3.50.

Italian Vallisneria	Corkscrew Vallisneria
Sagittaria Natans	Anacharis
Eladia	Water Sprite
Sagittaria Subulatta	Lysmachia
Cabamba	Amazon Sward Plants

3. Collection for Outside Pools, \$4.50.

Italian Vallisneria	Corkscrew Vallisneria
Sagittaria Natans	Anacharis
Eladia	Water Sprite
Sagittaria Subulatta	Lysmachia
Cabamba	Amazon Sward Plants
Water Pappy	Water Ferns
Water Lettuce	Duckweed

Orders for the above three collections filled only as specified. No split orders accepted.

HARDY WATER LILIES

This group requires less heat and will bloom earlier in spring. Can be carried over winter by the amateur with some protection. While flowers are smaller, they are borne over a longer season than the Tropicals. Most satisfactory for the average gardener.

ATTRACTION. Garnet red with ruby shading. Finest red. \$3.00.

CHROMATELLA. Pure canary yellow. Very vigorous and free flowering. \$2.25.

COMANCHE. At first of rich apricot hue, it deepens to copper. Its flower is held high above the water like tropical water lilies. \$2.25.

ESCARBOUCLE. Brightest crimson and scarlet. Very striking. \$3.00.

GLORIOSA. Deep carmine rose. Free and vigorous. \$2.25.

HERMINE. A star-shaped white of clear, luminous texture. \$2.50.

JAMES BRYDON. Rosy crimson, small growth. Good for tubs. \$3.00.

PAUL HARIOT. Opens soft, clear yellow, deepens to apricot. \$2.25.

PINK OPAL. Although new, so vigorous that the price is low. Deepest pink of great beauty. \$2.00.

SIoux. Largest of the sunset tints. Opens brassy yellow, deepens to blood red. \$2.00.

SOMPTUOUS. Large double fragrant flowers of deep rosy pink with contrasting stamens of deep orange. \$2.25.

POPULAR AQUATIC PLANTS

*Anacharis	3 for \$1.25
*Cabamba	3 for \$1.25
Corkscrew Vallisneria	Dazen, \$1.00
Floating Eladia	Each, \$1.00
Italian Vallisneria	Dazen, \$1.00
*Water Fern	3 for \$1.25
*Water Lettuce	3 for \$1.25
*Water Pappy	3 for \$1.25

*MINIMUM ORDER THREE

Add 15% to all prices for packing and prepaid delivery.

New Hardy Everblooming Hybrid Tea Roses



PEACE. The Most Beautiful Rose in the World Today AARS 1946 (Patent 591). Peace is a beautiful creation, distinguished by the changing colors through which it passes—canary yellow, pale gold, cream and ivory, cerise, rose and apple-blossom pink. Huge yellow buds, edged with cerise, open to great peony-like blooms, often 5 to 6 inches in diameter, which change to creamy yellow with a delicate flush of pink, deepening as the flower slowly opens. Blooms are produced singly all season on strong and straight stems and they last an unbelievably long time. The plant is as superior as the bloom, hardy and vigorous, with shining holly-like foliage. Mild fragrance. T. Each \$2.50, 3 for \$6.75.

AARS. These are Roses selected by the Rose Council after two-year tests in 25 Official All-America Rose Selections Test Gardens. Only a Rose that is almost perfect and gives A-1 results in all parts of the country can pass their rigid tests. When you get an AARS variety you get the best.

Price of the following eight varieties: Each, \$2.25; 3 of one kind for \$6.25.

CHARLOTTE ARMSTRONG. AARS 1941 (Pat. 455). An amazingly beautiful rose with long, slender blood-red buds which open into magnificent, brilliantly colored flowers, spectrum-red in cool weather, cerise in hot weather. Blooms are on long stems and are very lasting when cut. T.

FORTY-NINER. AARS 1949 (Pat. 792). A brilliant bi-color. Its colors do not fade, but hold until the last petal drops. Its long, pointed buds open into well-shaped flowers of 30 to 40 petals, rich yellow outside and dazzling red inside. M.

LOWELL THOMAS. AARS 1944 (Pat. 595). Large, beautiful buds open into perfectly formed, high centered, lasting flowers of rich, golden yellow. Vigorous bushy plants. M.

MIRANDY. AARS 1945 (Pat. 632). The large, long pointed, ovoid buds, are a deep rich dark red with black shadings, opening to a gorgeous chrysanthemum-red. The huge 50-petaled flowers are long lasting and have a wonderful fragrance. T.

NEW YORKER. (Pat. 823). A brilliant red rose that stays red, clear and sparkling, until the last petals fall. Flowers are fragrant, beautifully formed, and of tremendous size, often 6½ inches across. M.

PRES. EISENHOWER (Pat. 1217). Large, 4-5 inch blooms of rich, unfading, uniform rose-red with lasting brilliance, come singly on strong stems. It has few thorns, a sweet, old-rose fragrance and is a real modern "American Beauty." M.

SUTTER'S GOLD. AARS 1950 (Pat. 885). Long, pointed, bright yellow buds, richly shaded with orange and red, open to high centered flowers of rich orange-gold, shading down to various yellows. Produces great quantities of buds all season. Delightful tea fragrance. T.

WHITE SWAN. (Pat. 1115). Long-pointed buds of alabaster-white open slowly to elegant, high centered flowers of dazzling pure white, up to 4 in. across. Excellent exhibition variety. M.

The Hybrid Tea Roses bear their glorious blooms profusely from June until late fall. In severe winter climates they need proper winter protection.

FOUR OF THE WORLD'S MOST BEAUTIFUL ROSES

SPECIAL OFFER No. H808: One each of Chrysler Imperial, Helen Traubel, Peace and Tiffany (value \$10.25) for \$9.25 postpaid.

Price of the following four varieties: Each \$2.75; 3 of one kind for \$7.50.

HELEN TRAUBEL. AARS 1952. (Pat. 1028.) A magnificent rose of sparkling pink to luminous apricot that everyone is singing about. It's an ideal rose for cutting with buds which are unusually large, long and tapered, and which open into big petaled blooms often 6 in. across, borne singly at the end of long stems. Spicy fragrance. T.

GOLDEN MASTERPIECE. (Pat. 1284). Enormous, fragrant, golden yellow flowers with high centers. Glossy foliage on a strong plant. Said to be the world's largest yellow rose. T.

MOJAVE. AARS 1954 (Pat. 1176). The finest orange colored rose today. Lots of beautifully tapered buds open to big, pleasantly fragrant, richly colored blooms of glowing orange shot with flame-like tones of scarlet and vermilion. Extremely vigorous. T.

TWILIGHT. (Pat. 1434). An attractive novelty in a lovely new pastel tint of lavender-lilac with a silvery reverse. The pointed buds come on single stems and slowly open to high centered flowers, perfect for cutting and arrangements. Because of its unusual color, it is an excellent garden conversation piece. L.

OUR SELECTION TOP 10 AARS ROSES

SPECIAL OFFER 1808. One each of the following All-American Winners: Charlotte Armstrong, Chrysler Imperial, Forty-Niner, Helen Traubel, Mirandy, Mojave, Peace, Sutter's Gold, Tiffany and White Knight, (Value \$25.00), for \$22.50 Postpaid.

Price of the following ten varieties: Each, \$2.50; 3 of one kind for \$6.75.

BINGO. (Pat. 1392). A magnificent luminous cardinal red, a descendant from Crimson Glory that will really surprise you with its superb performance. The extra choice big red blooms are freely produced all season on a robust healthy bush with attractive foliage. Delightful fragrance. T.

BURNABY. (Pat. 1314). A superb exhibition rose that has no faults. The beautiful long pointed buds on stiff strong stems, slowly open to perfect blooms of clear bright yellow that gradually changes to creamy white. M.

CARELESS LOVE. (Pat. 1582). See in color on page 13.

CHRYSLER IMPERIAL. AARS. 1953. (Pat. 1167). A magnificent rose which we believe will head the list of all red roses for many years. Its vivid, iridescent shades of crimson are enhanced by darker overtones of glowing oxblood red, and the gem-like lustre of garnet, yet attain a brilliance unsurpassed in light. Long, tapering buds unfold even in adverse weather to large, high centered flowers measuring 4½ to 5 inches with 40 to 50 petals. Flowers come singly, in constant succession, and keep remarkably well, lasting up to one week when cut, and they have all you could ask for in fragrance. M.

FORT VANCOUVER. (Pat. 994). See in color on page 13.

GOLDEN WINGS. (Pat. 1419). See in color on page 11.

LIVING ROSE. (Pat. 1463). This new rose with its unusual coloring of brilliant flame-orange will create much attention in your garden. Tapering buds on long cutting stems; leathery semi-glossy foliage. Tall, vigorous and free flowering. Mildly fragrant.

LOVE SONG. (Pat. 1360). This exciting big rose is a descendant of "Peace" and it has all the good qualities of that famous rose. It is a bicolor of rich salmon-pink with brilliant yellow on the lower third of the petals and a lighter yellow reverse. Very large blooms 4½ to 5 in. or more and very double, with up to 50 petals. M.

PINK FAVORITE. (Pat. 1523). A truly great rose that will amaze you with its performance both in the garden and in the show room. The long pointed crimson buds are of the best exhibition form and open to large blooms of rich rose-pink, deeper on the outside. The abundant glossy foliage is a new type, very beautiful and disease resistant. Proluse continuous bloom on an upright, bushy compact plant. T.

TIFFANY AARS 1955. (Pat. 1304). This All-American Winner is near perfect and it blooms continually. Its long pointed buds, on strong erect stems, open into large, radiantly beautiful blooms of warm clear pink with a heart of gold. They have exceptional lasting qualities and fragrance. T.

1957 GOLD MEDAL WINNERS

BURNABY and **PINK FAVORITE** both received Gold Medal Awards last year at the International Rose Test Garden Trials at Portland, Oregon. Thousands of roses from all parts of the world are tested there every year and to receive a Gold Medal is one of the rose world's top honors.

SPECIAL OFFER J808: One each of Burnaby, Bingo, Living Rose and Pink Favorite (value \$10.00) for \$9.00 Postpaid.

All plants listed are dormant. Northern grown 2 yr. No. 1 grade. Roses should be planted as early as soil conditions permit.

The letter following the descriptions indicates the relative height: L. means low, M. means medium and T. tall.

We suggest that you order early. Should we be sold out of a variety you order, we will send another variety of the same color, and of equal or greater value, unless requested not to do so.

DELIVERY: All orders for ROSES (except Tree Roses) which total \$3.00 and over for shipment to one address will be delivered prepaid in the U.S. With orders for less than \$3.00, add 35c for postage and handling. (No Roses are shipped C.O.D.).

Price of the following two varieties: Each, \$2.00; 3 of one kind for \$5.50.

GOOD NEWS. (Pat. 426). Buds of deep coppery pink open slowly to great 60 petaled blooms with a glowing, coppery center, toning to shell-pink on outer petals. Rich tea fragrance. A vigorous healthy plant almost continuously in bloom. We think this is the "perfect rose" for it has no faults and has all you could wish for in a flower. T.

RUBAIYAT. AARS 1947 (Pat. 758). This rose performs magnificently all season. It is a prolific bloomer, producing graceful, long, pointed, shapely buds which slowly open into very large blooms of brilliant rose-red to crimson. Delicious fragrance. T.

Good Growing Tips

As soon as received, soak the roots of Roses in a pail of water for 24 hours. Experiments at the University of Minn. show they will give more bloom if soaked. Then, when pruned and planted, hill them up with 3 or 4 inches of moist soil. This keeps the wind from drying the plants and helps them to leaf out more quickly. Remove soil gradually as plants begin growing.

Dust or Spray Regularly with "VAUGHAN'S ROSE AND PLANT DUST" (see page 4) and you will have few, if any, rose troubles. Fertilize with "VAUGHAN'S GROGANIC ROSE FOOD" (see page 86).

ALL-TIME FAVORITES

Each: \$1.50; 3 of one kind for \$4.25.

CHRISTOPHER STONE. One of the finest red roses in existence. All season the fine plants produce quantities of brilliant, glowing, velvety scarlet blooms of good form and delicious old rose fragrance. M.

ETOILE DE HOLLANDE. A brilliant dark red Rose of magnificent size and perfect form. Flowers deliciously fragrant. M.

FRAU KARL DRUSCHKI. (White American Beauty). (Hybrid Perpetual). Pure white, long, immense buds; double flowers. Tall, strong grower. T.

MCGREY'S YELLOW. Long pointed buds open to beautiful flowers of soft pure yellow. A winner of many blue ribbons. M.

MRS. CHARLES BELL (SHELL-PINK RADIANCE). An exquisite shade of salmon-shell-pink that is not found in any other Rose; delicious fragrance. T.

NIGGER BOY. This rose is continuously in bloom, and produces quantities of beautiful, dark crimson flowers, that look like a miniature Crimson Glory. M.

PRESIDENT HERBERT HOOVER. Its deep copper-red buds open slowly to a wonderful blend of cerise-pink and rich cream veined with scarlet. Superb buds; large flowers, lasting well. T.

RADIANCE. Large, full, deliciously fragrant blooms of brilliant rosy carmine, shaded with pink. Constant bloomer in hot weather. Easy to grow and one of the most popular Roses in America. T.

SNOWBIRD. Long pointed buds open into full double, high centered, very fragrant snow-white blooms. Leathery foliage; compact bushy growth. L.

TALISMAN. A remarkable blending of gold, apricot, yellow, deep pink, and old rose. The rose of many Gold Medals; popular for cutting. T.

SEE PAGES 1, 12 AND 13 FOR OTHER EVERBLOOMING HYBRID TEA ROSES

Everblooming Floribundas

PATENTED FLORIBUNDA ROSES

Other varieties listed on page 1

GARNETTE (RED SWEETHEART). The petite flowers are a deep garnet red and they are as beautiful in the garden as they are in the florists' shop where they are used so much for corsages. They are borne in clusters of from 15 to 20 and have extremely long lasting qualities both on the bush and when cut. The compact plants are enhanced with masses of crinkled, holly-like foliage. M. \$1.75; 3 for \$4.75; 10 for \$15.75.

GOLDILOCKS. (Pat. 672). Very double, bright golden yellow flowers, in heavy clusters. Wild rose fragrance. L. \$1.75; 3 for \$5.00.

JIMINY CRICKET AARS 1955. (Pat. 1346). Exquisite buds of tangerine-red open to coral orange and finish to coral pink. It is fragrant with a true rose scent. Plant is hardy, vigorous growing, with glossy bronze turning to green foliage. MT. \$2.00; 3 for \$5.50.

LITTLE DARLING. (Pat. 1581). A rose of much beauty that will amaze you with its continuous bloom and its petite, perfectly formed buds and flowers of vivid sunset colors: brilliant red and yellow, changing to orange to pink and melting into a soft yellow center. Dainty perfume; shiny reddish green foliage. T. \$2.00; 3 for \$5.50.

MA PERKINS. AARS 1953. (Pat. 1143). The lovely coral buds, shaded red in the outer petals, open slowly to 3½ inch blooms of sparkling coral-shell-pink, suffused with yellow. Rich and unusual sweet fragrance; handsome foliage. M. \$2.00; 3 for \$5.50.

PINOCCHIO. (Pat. 484). Extremely hardy, very easy to grow. Great clusters of exquisite pointed buds of rich salmon pink, flushed gold at the base; open flowers like miniature hybrid teas. M. \$1.75; 3 for \$5.00.

RED PINOCCHIO. (Pat. 812). There are many excellent red Floribunda roses, but this one is the highest rated of all by the American Rose Society. It is a prolific producer of big, double 3½ inch blooms in large, long lasting, unfading clusters. The color is that deep, velvet-red with black shadings that is a favorite with everyone. It really blooms and puts on a better show than any other variety in our garden. M. \$1.75; 3 for \$5.00.

SPARTAN. (Pat. 1357). Gorgeous burnt orange buds slowly open to huge, high centered blooms with 35 to 40 petals of sparkling warm orange-red color softening to reddish coral; sweet old rose fragrance. Flowers are produced constantly from early spring until frost, both in large clusters and singly on vigorous robust plants. Foliage is a rich dark green and one of the toughest and most disease resistant of any rose. M. \$2.75; 3 for \$7.50.

TEXAN. (Pat. 1471). The very large blooms are usually borne in clusters but many are on single stems on a vigorous, upright compact bush. Has been described "As red as a prairie fire, tall as a ten-gallon hat and softly scented as a southern belle." T. \$2.50; 3 for \$6.75.

FLORIBUNDA ROSES

These Roses are among the hardiest and most continuous blooming hybrids offered, giving a spectacular and permanent display from June until frost. Their flowers are borne in clusters which are very showy in the garden and provide excellent bouquets. Wonderful for planting in groups in the border, for bedding, for foundations or for everblooming hedges. A dozen plants should give you hundreds of blooms this summer.

ELSE POULSEN. Semi-double, lasting bright rose-pink flowers of medium size in clusters on bushy, erect growing plants. Very showy. T. \$1.50; 3 for \$4.25.

FRENSHAM. An English Gold Medal Winner that is "going to town" in America, and no wonder, for one of its parents is Crimson Glory, highest rated of all red roses. It is the perfect red floribunda with exquisite buds and beautiful color. Robust healthy plants, 3 ft. high and about as wide, loaded all season with large trusses of semi-double flowers. Long lasting when cut and unsurpassed for arrangements. Slightly fragrant. MT. Each, \$1.65; 3 for \$4.50.

FLORADORA. AARS 1945. Spectacular and profuse blooming variety with well-shaped double flowers in a dazzling geranium or brick-red color. Keeps beautifully when cut. Tall grower with shiny, holly-like foliage. T. Each, \$1.65; 3 for \$4.50.

ROSE ELFE. Unusually beautiful, silvery rose-pink flowers of gardenia-like form. They are very double, about 2½ inches across, and are produced freely all summer. M. \$1.50; 3 for \$4.25.

SPECIAL OFFER No. L818. One each of Else Poulsen, Frensham, Floradora and Rose Elfe, all high rated varieties by the American Rose Society, (value \$6.30) for \$5.25.

POLYANTHA ROSES

These Roses are everblooming, hardy and have large flower clusters like the Floribundas, but the individual flowers are smaller and the plants are more dwarf.

MARGO KOSTER. Very dwarf bushy plant with clusters of unusual globe-shaped flowers of vivid orange, flushed coral-pink. L. \$1.50; 3 for \$4.25.

MOTHER'S DAY. A deep red form of Margo Koster. A profuse bloomer. Beautiful small glossy foliage. L. \$1.50; 3 for \$4.25.

THE FAIRY. This is probably the most prolific blooming of all roses producing hundreds of small, sweet seashell-pink flowers in sprays throughout the season. The sturdy spreading bush hugs the ground and grows about 3 ft. tall and just as broad. It is densely covered with tiny shining boxwood like foliage and needs no spraying. Perfect for a ground cover, hedge or wherever an everblooming, hardy foolproof plant is needed. M. \$1.65; 3 for \$4.50.

HARDY RUGOSA ROSES. See page 85.



Floribunda Rose White Bouquet See page 1.

MINIATURE ROSES

These are hardy everblooming roses growing only 6 to 8 inches high. We offer 3 inch potted plants. Ready for shipment after April 1st.

BABY GOLDSTAR. (Pat. 407). An enchanting golden yellow of perfect form with light tea fragrance. Plant and flowers a little larger than the other miniatures. \$1.65; 3 for \$4.25.

RED IMP. (Pat. 1032). Very double, deep rich crimson that is startling in its brightness. \$1.35; 3 for \$3.50.

SWEET FAIRY. (Pat. 748). Dainty, deep pink buds open to very double 1-inch blooms of apple blossom pink. True rose fragrance. \$1.35; 3 for \$3.50.

SPECIAL OFFER No. K818. One each of the above 3 Miniature Roses (value \$4.35) for \$3.75.

TREE ROSES

"The Crowning Glory of any Garden"

Standard or Tree-shaped Roses are grown by budding the desired variety into a tall straight stalk at a height of 3 ft. The bushy head usually produces more flowers and larger ones than the bush type of the same variety. We offer the following: Chrysler Imperial, Circus, Crimson Glory, Helen Traubel, Peace or Queen Elizabeth. Each, \$7.50. (Shipped express charges collect.)

NEW PATENTED EVERBLOOMING CLIMBERS

BLOSSOMTIME. (Pat. 1240). The most continuous blooming hardy Climber that we know. It is never out of bloom and will provide a profusion of very fragrant, perfectly formed, two-toned pink blooms of superb Hybrid Tea form. Everyone will love this rose and it is easy to grow. 6 ft. \$2.50; 3 for \$6.75.

CLIMBING CRIMSON GLORY. (Pat. 736). Climbing form of the outstanding bush everblooming variety, producing an abundance of perfectly formed crimson colored blooms. 8 ft. \$2.50; 3 for \$6.75.

CLIMBING GOLDEN SHOWERS. See page 12.

CLIMBING GOLDILOCKS. (Pat. 1090). This lovely climbing variety of the famous Floribunda Goldilocks is an everblooming rose that will truly give you a "Sheet of Gold." 8 ft. \$2.50; 3 for \$6.75.

CLIMBING PINKIE. (Pat. 1076). From early spring until late fall the healthy foliage of this delightful Climber will be almost completely covered with masses of perfect little buds opening into showy, lasting rose-pink blooms. A real charmer everywhere. Lovely planted with Climbing Goldilocks. 6 to 8 ft. \$2.75; 3 for \$7.50.

DR. J. H. NICOLAS. (Pat. 457). Everblooming deep rose-pink. Magnificent, very double deeply fragrant blooms like the Hybrids Teas. 6 to 8 ft. \$2.00.

SPECTACULAR. (Pat. 1416). The brilliant new orange-red color that has become so popular in the bush roses is at last available in this new Climber. It is a glorious sight in June when the plant is literally covered with hundreds of brilliant 4 inch blooms that really last, for the gorgeous color does not fade, even in extreme temperatures. Display is repeated again in the fall. 10 ft. \$2.50; 3 for \$6.75.

Climbing Roses

For loads of bloom and a mass of color display, there is nothing that can equal the beauty of climbing roses in full bloom. They are wonderful for planting on arbors, fence, porch, trellis or walls. All are hardy and easy to grow, but in cold sections we recommend giving winter protection. The figures following the descriptions of each variety indicate the average height of the plant at maturity.

STANDARD VARIETIES

GOLD RUSH. A vigorous climber, producing masses of rich golden yellow flowers of excellent form and substance. Repeats bloom on its new growth for the season; glossy foliage, \$1.65; 3 for \$4.50.

NEW DAWN. The long stemmed, beautifully formed flowers of soft apple-blossom pink and hybrid tea size are freely produced all summer. Hardy, vigorous. One plant gives a tremendous display and has never disappointed anyone. 15 ft., \$1.65; 3 for \$4.50.

PAUL'S SCARLET CLIMBER. This strong climber is sensational in spring; none can compare with it for brilliancy of color, which is a vivid scarlet. 12 ft., \$1.50; 3 for \$4.25.

WHITE DAWN. Everblooming large flowering variety which produces hundreds of pure white double blooms resembling gardenias, year after year. May also be used as a ground cover plant. 8 ft., \$1.65.

OFFER M818. One each of Climbing Crimson Glory, Climbing Goldilocks and Climbing Pinkie, 3 Roses, (value \$7.75) for \$6.95 postpaid.



CLIMBING ROSE NEW BLAZE

A marvelous, scarlet-red Rose, combining the bloom and growth of Paul's Scarlet Climber with everblooming character. Blooms are double, often 4 inches in diameter. Gives a gorgeous display in June and repeats intermittently. 12 ft., \$1.50.

OFFER NO. N818. One each of New Blaze, Gold Rush and The New Dawn, 3 Roses, (value \$4.80) for \$4.45 postpaid.

Hardy Climbing Vines



WINTERCREEPER (*Euonymus Vegetus*)

BITTERSWEET (*Celastrus Scandens*)

A native climbing or twining plant with handsome large leaves; yellow flowers in May and June and clusters of ornamental orange-capsuled fruit in autumn. Succeeds well in shade. We recommend planting 2 or more in a group. 2 yr., \$1.25; 3 for \$2.75; 10, \$8.00.

LARGE-FLOWERING CLEMATIS

ERNEST MARKHAM. Large, glowing petunia-red with a velvety sheen. Strong grower. \$2.00.

JACKMANI. This variety, with its strong, healthy growth, hardy nature and rich, deep velvety purple flowers, is the most satisfactory of its class. Blooms with astonishing profusion. \$1.75.

LANUGINOSA CANDIDA. Giant pure white flowers produced in summer and autumn. \$1.75.

RAMONA. Large silken flowers of clear sky-blue. \$1.75.

GOLD MEDAL COLLECTION. One each Ernest Markham, Jackmani and Lanuginosa Candida. 2 year, for \$4.65 (value \$5.50).

THREE FINE NEW CLEMATIS

COMTESSE de BOUCHAUD. Rosy-lilac with lighter midrib. Lovely, delicate variety. \$2.00.

CRIMSON STAR. True rich red possessing all the qualities of Jackmani. Great vigor and profuse bloomer. \$2.25.

LORD NEVILLE. Very dark, velvety blue-purple. Exquisite in color, with petals rich in texture. Has a long blooming season. \$2.00.

DELUXE COLLECTION. One each of Comtesse de Bouchaud, Crimson Star and Lord Neville (value \$6.25) for \$5.55.

SWEET AUTUMN CLEMATIS

CLEMATIS PANICULATA. The flowers are pure white, deliciously fragrant and produced with the greatest freedom in September. The most popular of all the small flowered vines. 2 yr., \$1.35; 3 for \$3.60.

CREEPER (Ampelopsis)

BOSTON IVY (A. TRICUSPIDATA OR VEITCHEI). The best known and most popular of climbing plants. Its glossy, ivy leaves overlap each other, and its long delicate young shoots stretch up with free and rapid growth. Valuable for wall coverings, trellis work, etc. 2 year \$1.25; 3 for \$3.00; 10 for \$8.50.

ENGELMAN'S CREEPER (A. ENGELMANI). One of the hardiest and quickest growing climbers. Leaves color beautifully in the fall. Has a tendency to cling to brick or stucco. 2-yr., \$1.10; 3, \$2.55; 10, \$7.50.

CLIMBING HYDRANGEA

HYDRANGEA PETIOLARIS. A worth while hardy climber with white, four-petaled flowers in 6 to 8 inch loose clusters in July. Will cling to brick or stone walls. Slow growing when young, but once established, makes a rapid growth. Grows best on north or east sides of buildings. Strong pot-grown plants. \$2.50; 3, \$6.75.

DELIVERY

All orders for items on this page which total \$3.00 and over for shipment to one address will be delivered prepaid in the U.S. With orders for less than \$3.00, add 35c for postage and handling. (No plants are shipped C.O.D.).

HONEYSUCKLE (*Lonicera*)

EVERBLOOMING HONEYSUCKLE (*LONICERA HECKROTTI*). Remarkable for large size of its flowers, crimson-carmine without and golden apricot inside. They are very beautiful and fragrant and are in bloom from the middle of June until the coming of frost. 2 yr., \$1.35; 3 for \$3.60.

HALL'S HONEYSUCKLE (*L. JAPONICA HALLEANA*). One of the finest of all vines. Almost evergreen, with very fragrant, pure white flowers, changing to yellow, in late summer and fall. It will thrive in sun or shade and aside from being an excellent climber, it is often used as a ground cover on banks to prevent soil washing. 2 yr., \$1.00; 3 for \$2.25.

HARDY ENGLISH IVY

HEDERA HELIX BALTICA. A graceful evergreen vine that has dark green foliage and is identical in habit with the well-known English Ivy, except that it is hardy and has smaller leaves. Succeeds well in shady places and makes an excellent ground cover: 2 1/4 in. pots, 3 for \$2.00; 10, \$6.50; 100, \$40.00.

KUDZU

JACK-AND-THE-BEAN-STALK VINE. The most remarkable climber extant. In rich soil will grow 70 feet in one season. Starts into growth slowly, but after three or four weeks grows almost beyond belief. Leaves in shape like Lima Bean; dark green; texture soft and woolly. Fine for porches, arbors, old trees, etc. \$1.00; 3 for \$2.25; 10, \$5.00.

SILVER LACE VINE

POLYGONUM AUBERTI. Of strong, vigorous growth, attaining a height of 25 feet or more, producing through the summer and fall great foamy sprays of white flowers that turn rose-colored as they begin to fade, and the combination of white and rose makes an exceedingly pretty picture. 2 yr., \$1.50; 3 for \$4.20.

DWARF LACE PLANT

POLYGONUM REYNOUTRIA. A new ground cover plant, growing 4 to 8 inches tall, that does best in full sun. Very hardy and grows quite rapidly from underground runners. The pale green foliage turns brilliant red in fall. Fleecy-like pink sprays of flowers, not unlike the Silver Lace Vine, are produced in September. Plant 18 inches apart. Each \$1.10; 3, \$2.35; 10, \$6.50.

Small Fruits

HYBRID BLUEBERRIES

HIGHLY ORNAMENTAL PLANTS—DELICIOUS FRUITS. 3 to 5 ft. Beautiful all year. The foliage is a deep, rich green in summer, turning to a beautiful crimson in fall, and all winter the twigs are bright red. Excellent for planting with Evergreens or Broad-leaved Evergreens, as they require an acid soil. Large clusters of beautiful blue fruits, plump, meaty, tender and practically seedless. Flowers are not self-fertile and therefore we sell only in units of 3 different varieties, 3-year clumps, packed in peat, 3 for \$5.50; 6 for \$10.40.

RASPBERRIES

Price, except where noted, 3 for \$1.10; 10 for \$2.50; 25 for \$5.00; 50 for \$8.00.
CUMBERLAND (BLACK). Extra large, oval, rich and juicy. Good quality; very productive.
INDIAN SUMMER. The Best Everbearing Red Raspberry. Large berries of high quality ripen early and then produce a second crop in Sept. and Oct. Price, 3 for \$1.25; 10 for \$2.75; 25 for \$5.25.
LATHAM (RED). Berries are immense, dark red in color and well flavored. Extremely hardy.

GRAPES

Price, 2 yr. No. 1 each, 85c, 3 of one kind for \$1.95; 10 for \$5.25.
CACO (Red). Large compact bunches of sweet fruit.
CONCORD (Blue). Juicy sweet tender. Best blue.
FREDONIA (Black). Sweet spicy flavor. Early.
PORTLAND (White). Fine quality early green. Vigorous.
SPECIAL OFFER No. 857D. One each of grapes Caco, Concord, Fredonia and Portland 2 yr. (value \$3.40) for \$2.45.



TRUMPET CREEPER

BIGNONIA RADICANS. A robust, tall climber with great leathery trumpet-shaped flowers of brilliant orange-scarlet which last a long time in the summer. Useful wherever a showy flowering vine is desired. Will cling to wood. 2 yr., \$1.10; 3 for \$2.40.

BIGNONIA MME. GALEN. A more dwarf form of the above with immense flower clusters, often exceeding 15 inches in length. 2 yr., grafted, \$2.00; 3 for \$5.55.

WINTERCREEPER (*Euonymus*)

PURPLELEAF WINTERCREEPER (*E. RADICANS COLORATA*). Named for its winter foliage. Plant an excellent ground cover; glossy green in summer. 2 1/2 in. pots, \$1.25; 3, \$3.00; 10 for \$9.00.

BIGLEAF W. or EVERGREEN BITTERSWEET (*E. RAD. VEGETUS*). Evergreen trailer with round, thick leathery leaves; gorgeous orange berries in winter. Very handy; does well in sun or shade. Handsome among evergreens or as a ground cover or will climb on brick or stone. Illustrated. Strong pot-grown plants, 10 to 15 in., \$1.75; 3 for \$4.50.

WISTARIA

CHINESE WISTARIA (*Wistaria Sinensis*). Violet-blue flowers in pendulous clusters. No. 1 grafted. \$1.75; 3 for \$4.80.

PINK WISTARIA (*Wistaria Multijuga Rosea*). Queen of the wistarias. Long full clusters. No. 1 grafted. \$2.00; 3 for \$5.85.

WHITE CHINESE WISTARIA (*Wistaria Sinensis Alba*). Pure white, very fragrant. No. 1 grafted. \$1.75; 3 for \$4.80.

BOYSENBERRY

(THORNLESS). Huge berries of rich purplish maroon. Very sweet; delicious flavor; few seeds. Price, 3 for \$1.35; 10 for \$2.85; 25 for \$6.25.

FOR COMPLETE LISTING OF FRUIT TREES AND SMALL FRUITS MAIL REQUEST FOR SPRING NURSERY LIST.

DWARF FRUIT TREES

These dwarf trees have low broad heads so that fruit can easily be picked and they take up little room in the garden or on the lawn. They usually bear good crops within 3 or 4 years and the fruit is of extra high quality. Plant 8 feet apart, and each spring trim off one-third to one-half of the previous season's growth.

DWARF APPLES. Delicious, McIntosh or Yellow Delicious. 2 yr., 3 to 4 ft., \$3.50; 3 for \$9.75.

DWARF CHERRY NORTH STAR. Large, luscious sour cherries on small sized, productive self-fertile tree. Wonderful for pies. It was bred in Minnesota so is extra hardy. 3 to 4 ft., \$3.95.

DWARF PEAR. Bartlett, 2 yr., 3 to 4 ft., \$3.50; 3 for \$9.75.

SEMI-DWARF APPLE TREE

DELCON. A true semi-dwarf apple tree. 12 ft. Produces full size dark red fruit similar in shape to Delicious but without knobs. A naturally dwarf variety. Flavor is a combination of its parents, Jonathan and Delicious. Hardy wherever Red Delicious is successful. 1 1/2 in. caliper, 4 1/2-5 ft. Each \$3.50; 3 for \$9.75.

QUINTUPLET APPLE TREE

5 KINDS OF APPLES ON ONE TREE. This is the ideal tree for the small yard, 5 different varieties are grafted on the main stock of one tree, which will give you good apples for summer, fall, and winter. 2-year, 4 to 5 ft., 1/2 in. caliper \$3.95 each; 3 for \$11.25.



Seven Iris Aristocrats \$3⁴⁵

CATALOGUE VALUE \$5.50

These are among the finest Irises in cultivation. Each is rated close to perfection and not long ago one could not have been purchased for the price of the collection. Your Iris display is lacking if you have not these varieties; and our low prices make it possible to own them for less than the cost of ordinary plants.

GREAT LAKES. 42 in. An exquisite pure blue, the shade of an unclouded sky reflected in crystal waters. It is almost perfection, having crisp petal texture, and ideally formed blooms. **75c; 3 for \$2.00.**

BRYCE CANYON. 38 in. A fascinating and distinct warm shade of glowing henna-copper. Well branched stems, highly domed standards and broad round falls. A good grower everywhere. **75c; 3 for \$2.00.**

CLOTH OF GOLD. 38 in. Clear, sparkling deep golden yellow; fragrant. Of classical form, heavy substance and free blooming. **75c; 3 for \$2.00.**

GARDEN GLORY. 33 in. A pure self of rich deep wine-red with a glossy satin sheen. The color is one of the nearest to true red and it is warm and glowing even on a dark day. A prolific producer of flowers. Late midseason. **75c; 3 for \$2.00.**

MULBERRY ROSE. 40 in. Huge flowers of radiant, lovely, mulberry rose with a bronze beard. A new and unusual shade in the deep pink class that stands out from afar in the garden. **75c.**

NEW SNOW. 40 in. The large ruffled flowers are as white as new fallen snow; yellow beard. It has form, substance and branching and is unquestionably one of the finest white Irises. **\$1.00; 3 for \$2.50.**



VATICAN PURPLE. 38 in. A huge rich dark blue-purple self with heavy substance and glossy finish. The strong stems carry 9 to 12 flowers over a long period. **75c; 3 for \$2.00.**

Daylilies - Hemerocallis

The modern Day Lilies have been greatly improved and are now one of the most popular perennials for midsummer bloom. Their lily-like flowers are of wonderful coloring, from creamy yellow to deep orange, pink, red, purple and lovely blends. Perfectly hardy, they require only a minimum of care, and will grow and thrive anywhere, except in very deep shade or wet locations. Plant with the crown only 1 inch deep in May or June or as early as possible in fall. In cold climates use a COARSE mulch only the first winter. Winter protection is not necessary thereafter, except on those of evergreen habit. Daylilies bloom in June, July and August with most of them coming midseason. Time of bloom indicated by E. early, M. midseason and L. late.

6 CHAMPION DAYLILIES \$4.85

One each as listed below (value \$6.75)

CABALLERO. 3 ft. Very popular, gay brilliant bicolor with rose vermilion petals and alternating golden yellow sepals and throat. Large, lily-like flowers up to 5 inches. Evergreen. EM. \$1.00; 3 for \$2.50.

DUCHESS OF WINDSOR. 2-2½ ft. Wide petaled blooms of deep cream shading to soft golden yellow with rose tinted throat. M. \$1.25; 3 for \$3.00.

HYPERION. 3-3½ ft. Not new, but still one of the finest of all Daylilies. Giant amaryllis-like flowers of citron yellow; delightfully fragrant. M. \$1.00; 3 for \$2.50.

PINK CHARM. 3½ ft. Beautiful large star-like flowers with recurved petals of coppery rose-pink with a light yellow center. ML. \$1.25; 3 for \$3.00.

PURPLE WATERS. 3 ft. Nicely shaped, 4½ to 5 inch blooms of rich wine red purple, with lemon yellow throat. Has long season of bloom. Semi-evergreen. M. \$1.00; 3 for \$2.50.

QUEEN ESTHER. 3 ft. The 5-inch brilliant, velvety crimson flowers do not fade in the hot sun and they stay open evenings. Has more blooms to the scape than most any other variety. ML. \$1.25; 3 for \$3.00.

4 DELUXE DAYLILIES \$5.45

One each as listed below (value \$6.75)

COLONIAL DAME. 3 ft. A Queen of exceptional beauty. Large, wide open, ruffled flowers of warm apricot with rosy tan banding above a bright golden throat. Remains open evenings; blooms in midseason and repeats in fall. \$2.50; 3 for \$6.00.

GARNET ROBE. 3 ft. Rich glowing garnet-red with a deep yellow-green throat. It is tops in its color class and is an exceptionally good performer in all parts of the country. Evergreen. M. \$1.50; 3 for \$3.75.

HESPERUS. 3½-4 ft. A magnificent deep lemon yellow with large 6 to 7 inch blooms of splendid form and substance. M. \$1.25; 3 for \$3.00.

PAINTED LADY. 3 ft. Gigantic 8 inch flowers with wide ruffled petals of cinnamon brown and yellow with darker veins and a coral throat. Evergreen. M. \$1.50; 3 for \$3.75.

3 OF THE WORLD'S BEST DAYLILIES \$7.75

One each as listed below (value \$9.00)

EVELYN CLAAR. 2½-3 ft. A broad petaled, deep salmon pink with a silvery sheen and a yellow flush near the center of the flower. It is very sun resistant and a strong grower with blue green foliage. A must for your garden. Top winner in the 1955 Popularity Poll of the Hemerocallis Society. EM. \$4.00.

NARANJA. 3 ft. One of our very finest Daylilies. A gorgeous shade of solid golden orange in lightly ruffled, 7 inch amaryllis-formed blooms. Evergreen ML. \$2.00.

POTENTATE. 3½ ft. A rare color gem, a self with petals and sepals of luminous pansy red-purple with a distinct satiny sheen. Even the stamens and pistils are done in purple. Reblooms. Top winner in the 1954 Popularity Poll. ML. \$3.00.

5 IRIS CHAMPIONS FOR \$3.75

One each as listed below (value \$4.75)

GOLD SOVEREIGN. 34 in. A very vivid orange-yellow. The flowers are medium in size, deeper and more golden than Ola Kala and the color is really something. **\$1.00; 3 for \$2.50.**

HELEN MCGREGOR. 36 in. **DYKES MEDAL 1949.** Beautifully ruffled, clear azure blue with no trace of lavender in it. Large flowers of heavy substance on well branched stems. **\$1.00; 3 for \$2.50.**

PINK CAMEO. 36 in. An exquisite pure, cameo pink with a startling tangerine-orange beard. One of the famous flamingo pinkline without any violet influence. Early. **75c; 3 for \$2.00.**

RAINBOW ROOM. 36 in. A bewitching flower that seems to be lighted from within with the beautiful colors of the rainbow. The cream colored background has multiple shadings of apricot, copper and gold with a blue blaze on the center of each fall. **\$1.00; 3 for \$2.50.**

RANGER. 36 in. Very dark, true crimson red. Long large blooms of firm texture. A sure producer of flowers and lots of them. **\$1.00; 3 for \$2.50.**

Ask for our "Complete List of Iris." We have a large assortment.

DAYLILIES—Continued.

7 STANDARD DAYLILIES \$4.25

One each as listed below (value \$5.25).
Price of following varieties, **75c; 3 for \$2.00.**

KWANZO FLORE PLENO. 3 ft. The old-fashioned double daylily, coppery red and gold. M.

LINDA. 3 ft. A ruffled flower of amber yellow lightly washed with rosy pink shades. Beautiful deep rose eye zone. M.

MARY GUENTHER. 3 ft. Our favorite bicolor with outstanding colors of brilliant carmine-red and clear yellow. Evergreen. EM.

MARGARET PERRY. 3½ ft. Brilliant orange scarlet lined with yellow. A most attractive variety. M.

MIKADO. 3 ft. Rich orange yellow with deep mahogany red throat. Good evenings. Fragrant. M.

MOROCCO RED. 3 ft. Brilliant flower of velvety Morocco red extending to the heart of the flower. ML.

OPHIR. 4 ft. Produces quantities of giant, waxy golden yellow blooms up to 5 in. across. Very fragrant. M.

DELIVERY

Peonies are shipped in March or April; Iris and Daylilies in early May.

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4 CHAMPION PEONIES \$4.50

One each as listed below (value \$6.50)

LONGFELLOW. Large flowers of brilliant vivid red on strong stiff stems. Excellent in the garden or in the showroom. Late midseason. **\$1.75.**

MARTHA BULLOCH. Its immense cup-shaped flowers of old-rose pink are often 9 to 12 in. across. Good for cut flowers or show. Late. Fragrant. **\$2.00.**

REINE HORTENSE (PRESIDENT TAFT). One of the finest Peonies in our Nursery. A vigorous, strong grower, a profuse bloomer, and an excellent cut-flower variety, cut blooms lasting a week or more. Its large flowers are a beautiful uniform light pink, center flecked crimson. Midseason. **\$1.25.**

SOLANGE. Its flower is high built, compact and composed of large, thick petals which closely overlap. The color is deep cream, tinged with amber throughout, with a touch of soft, salmon-pink glowing from its heart. **\$1.50.**

3 FINE PEONIES \$2.90

One each as listed below (value \$3.75)

EDULIS SUPERBA. Usually blooms for Decoration Day. The large flowers are a beautiful deep, vivid pink and very fragrant. **\$1.25.**

GROVER CLEVELAND. Large, compact flowers of rich bright crimson on stiff stems. It is one of our most desirable, late midseason reds. **\$1.25.**

MME. DE VERNEVILLE. Very full and double, pure white, center tinted blush. Exquisite rose fragrance. Very beautiful reliable bloomer; early. **\$1.25.**



OLD FASHIONED EARLY RED PEONY Officinalis Rubra Plena

This is the early, rather dwarf "Piney" that is usually in bloom for Decoration Day. The flowers are a brilliant red unequalled in other varieties. **\$1.50.**

Vaughan's Seed Company 83

Flowering Shrubs for Home Grounds



Buddleia (Butterfly Bush)

The figures in italics following each variety indicate in feet the average height of the plant at maturity. B. & B. indicates "Balled and Burlapped."
(No Nursery Stock Shipped C. O. D.)

FOUR NEW BUDDLEIAS
(BUTTERFLY BUSHES OR SUMMER LILACS) **\$3.95**
One each of those listed below.

4 ft. The long tapering spikes thickly covered with minute tubular flowers of pleasing fragrance bloom during July and continue until frost. Excellent for cut-flowers. The stalks die to the ground each winter but come up vigorously again in the spring. 2 yr. No. 1 Each \$1.35; 3 of one kind, \$3.75.

- DUBONNET.** Wine red.
- FASCINATING.** Orchid-pink long sprays.
- ORCHID BEAUTY.** Soft catterleya lilac with orange eye.
- ROYAL PURPLE.** Brilliant red-purple.
- ALMOND.** (Double Pink Flowering) See Prunus.
- BARBERRY.** (Berberis) See Hedge Plants.

BEAUTYBUSH (Kolkwitzia Amabilis)
6 to 8 ft. Handsome upright shrub with graceful arching branches completely covered with lovely pink trumpet shaped fragrant blossoms. Hardy. 2 to 3 ft. \$2.00.

BRIDALWREATH. (Spirea Van Houtte). See Spirea.

CARYOPTERIS BLUE MIST

HARDY BLUE SPIREA. 2-3 ft. Covered with numerous clusters of blue, fringed flowers from August until autumn frost. Foliage silvery green in color. Excellent border shrub. 2 yr. No. 1 \$1.45; 3 for \$4.00.

COTONEASTER

ACUTIFOLIA (Peking). 5 to 10 ft. Small leathery leaves of rich glossy green on willowy brown branches closely set with small pink flowers in May; jet black berries in fall. It is a beautiful shrub and makes one of our finest hedges. Can be trimmed like Privet. Recommended in the North where hedge plants must be extremely hardy. 2 to 3 ft., \$1.45; 3 for \$4.05; 10 for \$12.00.

DIVARICATA. One of the best of the species. It forms an arching, densely branched bush from 4 to 5 ft. tall and more in diameter. The small, oval, dark green leaves turn a brilliant shade of crimson before they fall. Also prized for its dark scarlet fruits which last until late in autumn. Very choice. 2 to 3 ft. \$2.00; 3 for \$5.55.

DOGWOOD (Cornus)

REDTIG DOGWOOD. (C. Alba Sibirica). 6-10 ft. Coral-red branches. Very brilliant, especially in early spring, when the bark is intensely colored. 2 to 3 ft. \$1.35; 3 for \$3.75.

GOLDENTWIG DOGWOOD (Stolonifera Flaviramea). 6-10 ft. A variety with golden yellow bark, very attractive. Planted in masses with the red-barked varieties, an effective and striking contrast may be secured. Hardy. 2 to 3 ft., \$1.45; 3 for \$3.95.

FLOWERING DOGWOOD. (See Trees, next page).

EUONYMUS

ALATUS COMPACTA. (Dwarf Burning-Bush.) 4 to 6 ft. Bark cork-like and curiously winged; leaves small; fruit red, in autumn, foliage bright red. One of our best shrubs for specimen plantings and for growing in shady locations. 18 to 24 in., \$3.00; 3 for \$8.25.

EUONYMUS EMERALD LEADER (Corliss) Plant. Pat. #881. See description page 14. 15 to 18 in. bushy plants \$4.50 each; 3 for \$12.75; 10 for \$40.00.

EUONYMUS RADICANS VEGETUS. (Bigleaf Winter-creeper). See Vines.

EUONYMUS RADICANS COLORATA. (Purpleleaf Winter-creeper). See Vines.

FIREBUSH OR FLOWERING QUINCE

CYDONIA JAPONICA. 4 to 5 ft. Brilliant orange-scarlet flowers in April, followed by yellowish green, quince-shaped, fragrant fruits. 2 to 3 ft., \$1.50; 3 for \$4.05.

CYDONIA UPRIGHT SCARLET. A newer, more upright form of the ever popular Flowering Quince, this variety has flowers of scarlet, beautifully set in a background of shiny foliage; a combination which places this shrub among the most desirable for the spring gardens. 2 to 3 ft., \$2.00; 3 for \$5.55.

FORSYTHIA (Golden Bell)

SHOWY BORDER GOLDEN BELL (F. INT. SPECT.) 6 to 8 ft. Its large, rich, yellow blossoms completely cover the wide spreading branches in early spring. 2 to 3 ft., \$1.35; 3 for \$3.75; 10, \$12.00; 3 to 4 ft., \$1.65; 3 for \$4.65.

SPRING GLORY. 5 to 8 ft. The loveliest of all Golden Bells and the most prolific, its attractive large pale yellow flowers completely covering the bushes in early spring. 2 to 3 ft., \$1.65; 3 for \$4.65; 3 to 4 ft., \$2.00; 3 for \$5.55.

HAMAMELIS (Witch-Hazel)

VERNALIS (Vernal or Winter-Blooming Witch-hazel). 5-6 ft. Blossoms as early as January and will continue to bloom during the mild weather and closing when the temperature drops. Flowers vary in color from bright yellow to maroon and have a spicy fragrance. 2 to 3 ft., \$2.50; 3 for \$6.75.

HIBISCUS. (See Rose of Sharon). next page.

HONEYSUCKLE (Lonicera)

BUSH HONEYSUCKLE. 9 to 10 ft. One of our best shrubs for screen and border plantings. Pink, Red or White. 2 to 3 ft., \$1.25; 3 for \$3.45. 3 to 4 ft., \$1.50; 3 for \$4.20.

CLAVEY'S COMPACT DWARF H. A new Dwarf honeysuckle recently introduced. The hardiness and vigor of the standard, reliable honeysuckle, developing into a beautiful, compact shrub about three to four feet tall. We are enthusiastic, but what more need be said. 18/24", bushy, \$1.50 ea.; 3 for \$4.20; 10 for \$13.00.

ZABEL RED H. (L. KOROLKOWI ZABELI). 10 ft. A dense upright growing shrub. This variety produces a grand display of red flowers in spring followed by red fruits in summer. It is probably the darkest colored bush honeysuckle. 2 to 3 ft., \$1.45; 3 for \$4.05. 10 for \$12.50; 3 to 4 ft., \$1.60 each; 3 for \$4.50; 10 for \$13.50.

HYDRANGEA

PEEGEE HYDRANGEA (H. PANICULATA GRANDIFLORA.) 8 to 10 ft. Immense panicles of bloom a foot long, white turning to rose, commencing to bloom in August. 18 to 24 in., \$1.50; 3 for \$4.20.

SNOWBALL HYDRANGEA (H. ARBORESCENS GRANDIFLORA). 4 ft. Large, flat heads of snow-white flowers in June and July. Thrives in shade. 18 to 24 in., \$1.50; 3 for \$4.20.

BLUE HYDRANGEA. 2 ft. Blooms of deep and intense blue last for a long time in late summer. Will grow in sun or light shade. Protect during winter in colder climates. Use a little alum when planting to assure the best color. 2 yr. \$2.25; 3 for \$6.30.

OAK-LEAVED HYDRANGEA (QUERCIFOLIA) 3-5 ft. Large deep green leaves shaped like those of Oak tree. Will stand shade and smoky, dusty city conditions. Flowers pinkish white borne in upright clusters in June. 18 to 24 in. \$2.00; 3 for \$5.55.

HYPERICUM (St. John's Wort)

HIDCOTE. A new and hardier dwarf variety, which produces its golden yellow two inch flowers practically all summer. About 18" tall with diameter the same. Freezes back in cold winters, but springs up from the base, producing its blooms each summer. No. 1 grade \$1.50 each, 3 for \$4.20.

KERRIA

JAPONICA. 4 to 5 ft. Its slender green branches are attractive all winter. Leaves light green, yellow in autumn. Showy, bright golden yellow flowers from June to September, 2 to 3 ft., \$2.00; 3 for \$5.55.



LILAC Mad. Lemoine

FRENCH HYBRID LILACS
FOUR BEAUTIFUL VARIETIES

- BELLE DE NANCY.** Large double satiny rose; white center. Free blooming, fragrant.
- CHARLES JOLY.** Double flowers of dark, wine-red with silvery reverse. One of the very finest Lilacs.
- MME. LEMOINE.** Double pure white flowers, borne in large clusters. Best white.
- PRES. GREVY.** Considered by many as the most satisfactory of the blue Lilacs. Giant, pyramidal clusters of double flowers of clear, soft, blue. Prices of above, 2 to 3 ft., \$2.50; 3 for \$6.75.
- SPECIAL OFFER No. 848.** One each of above 4 French Lilacs, 2 to 3 ft. (value \$10.00) for \$8.00.

LILAC SPECIES

- COMMON PURPLE LILAC (SYRINGA VULG. PURPUREA).** 12 to 15 ft. The old-fashioned Lilac. It is hardy and vigorous, endures neglect and blooms abundantly. Purple flowers early in May. 2 to 3 ft., \$1.50; 3 for \$4.20; 10 for \$12.00. 3 to 4 ft., \$1.70; 3 for \$4.80; 10 for \$15.00.
- PERSIAN PURPLE (SYRINGA PERSICA).** 8 to 10 ft. The most graceful and freely flowering of the Lilacs, with purple-lavender flowers, in loose panicles. 2 to 3 ft., \$1.55; 3 for \$4.35; 10 for \$12.25. 3 to 4 ft., \$1.60; 3 for \$4.50; 10 for \$14.00.

MOCK ORANGE (Philadelphus)

- COMMON MOCK ORANGE.** 7 to 10 ft. The free flowering single white found in the old-fashioned gardens; of rapid growth, forming a large bush. 2 to 3 ft. \$1.50; 3 for \$4.20. 3 to 4 ft. \$1.60; 3 for \$4.50.
- FROSTY MORN.** (Plant Pat. #1174). New dwarf Mock-orange. 18 to 24 in. \$1.80; 3 for \$5.10. For description see Page 14.
- MINNESOTA SNOWFLAKE.** (Plant Pat. #538). New all double variety. 2 to 3 ft. \$1.85; 3 for \$5.25. For description see Page 14.

VIRGINIALIS. 7 to 8 ft. One of the most beautiful shrubs grown. In June the plants appear as a huge bouquet being completely covered with large double or semi-double crested flowers that are pure white and sweet-scented. It has a long blooming period, the new wood producing throughout the summer. 2 to 3 ft., \$1.65; 3 for \$4.65. 3 to 4 ft. \$1.85; 3 for \$5.40.

NINEBARK (Physocarpus)

P. OPULIFOLIA NANA. 5 ft. One of our finest medium size hedge plants. Dense, upright growth, it requires little shearing. The leaves are small, three to five lobed, and in color are dark, glossy green. Ideal for growing in shady places or in full sun. 2 to 3 ft., \$1.50; 3 for \$4.20; 10 for \$12.00.

POTENTILLA (Cinquefoil)

FRUITICOSA. (Shrubby Cinquefoil). 2-4 ft. A desirable low-growing shrub, thriving either in wet or dry soil, producing bright yellow flowers throughout the summer, suitable for rockeries and in front of taller shrubs. 15 to 18 in. \$2.00; 3 for \$5.55.

DELIVERY

We pay postage on vines, small fruits, and shrubs up to 2 and 3 ft., if the order for these items amounts to \$3.00 or more, to one address. Trees and shrubs 3 to 4 ft. and larger are sent via express—you pay the charges, as this cost is not included in our price. For orders of less than \$3.00, include 35c handling charge.



PRUNUS triloba

PRUNUS (Plum)
see Trees also.

CISTENA. 6 ft. A dwarf variety red leaf plum. Grows in bush form to a height of 6 ft. This is the most brilliant purple-red plum we can grow in the North. Perfectly hardy, in sun or part shade. 2 to 3 ft., \$2.00; 3 for \$5.70.

DOUBLE PINK FLOWERING ALMOND (Prunus glandulosa Sinensis). 4 to 6 ft. Hundreds of closely set double pink flowers appear before leaves. Excellent foundation shrub. Hardy 2 to 3 ft. \$1.75; 3 for \$4.95.

TRILOBA (Double Flowered Plum) Native of China. Similar to the old favorite Flowering Almond, but more hardy. Flowers double, delicate pink, an inch or more in diameter, appearing in profusion on the long slender branches before the leaves unfold. A choice, beautiful shrub that needs no winter protection. 2 to 3 ft., \$2.10; 3 for \$6.00; 3 to 4 ft., \$2.25; 3 for \$6.45.

RHODOTYPOS (Jethead)

4 to 5 ft. This handsome useful shrub will thrive in dry, shaded locations, in smoky cities, under trees and on the north side of buildings. Single white flowers like mockorange blossoms, borne in May, are followed by shining black berries which persist throughout the winter. 2 to 3 ft., \$1.75; 3 for \$4.95.

RIBES ALPINUM (Alpine Currant) see Hedge Plants.
ROSA MULTIFLORA (Fence Rose) see Hedge Plants.

ROSE HARRISON'S YELLOW

This is the rose of olden times, growing 4 to 5 ft. tall. Its semi-double, deep golden yellow flowers make a spectacular display in June. 2 yr., \$1.65; 3 for \$4.50.

ROSE OF SHARON

HIBISCUS SYRIACUS OR SHRUBALTHEA. 6 to 12 ft. An upright shrub, blooming in August and September. The flowers resemble those of the hollyhock, and are very showy. Double pink, purple, white or red. 2 to 3 ft., \$1.50; 3 for \$4.20.

RUGOSA ROSES

F. J. GROOTENDORST. The flowers are bright red, beautifully fringed, and produced in clusters. It blooms from early summer to frost. 4 ft. 50% Rugosa. 2 year, each \$1.50; 3 for \$4.25.

HANSA. Double, reddish-violet flowers of large size, freely produced. Very sweet scented. 2 year, each \$1.50; 3 for \$4.25.

HUGONIS. (Rosa Hugonis). 6-8 ft. Sometimes called the Golden Rose of China. Excellent hardy rose that makes a spectacular show when its long arching branches are thickly set with lovely single, yellow flowers in May. 2 year, \$1.65; each; 3 for \$4.50.

PINK GROOTENDORST. 4 ft. Clusters of small, fringed, light pink carnation-like flowers. Everblooming. 50% Rugosa. 2 year, each \$1.50; 3 for \$4.25.

SPIRAEA

BUMALDA ANTHONY WATER. 2½ ft. Round flat clusters of rosy-crimson flowers are borne throughout the summer and fall. It is of low, compact growth. Valuable for low foundation planting. 18 to 24 in., \$1.45; 3 for \$4.05.

BLUE MIST. (See Caryopteris.)

S. FROEBELI. (Everblooming) 3 ft. Round, flat clusters of rosy-pink flowers from June to October. Beautiful foliage all season. One of our best low growing shrubs for general use and for flowering hedges. 18 to 24 in., \$1.35; 3 for \$3.75. 24 to 30 in., \$1.45; 3 for \$4.05.

S. VAN HOUTTE (Bridal Wreath). 5 to 6 ft. One of the most beautiful and useful shrubs. 2 to 3 ft., \$1.25; 3 for \$3.45. 3 to 4 ft., \$1.35; 3 for \$3.75.

WEIGELA

ROSEA W. (PINK) 5-6 ft. Covered in June with an abundance of large rosy pink flowers. A vigorous sort of erect, compact growth. 2 to 3 ft., \$1.65; 3 for \$4.65.

BRISTOL RUBY (Plant Pat. No. 492). For picture and description see page 14. 2 to 3 ft., \$2.25; 3 for \$6.25.

WILLOW (Salix)

FRENCH PUSSY WILLOW. Bears an abundance of large, silver-pink, fur-like catkins in the early spring. 2 to 3 ft., \$1.50; 3 for \$4.20



VIBURNUM BURKWOODI

VIBURNUMS

The Viburnums are a most useful group of shrubs, very hardy of good growing habit, never "lanky" in growth and tolerant of shade and difficult conditions.

BURKWOODI V. (Gardenia-Scented Snowball). 5 ft. Fast growing, semi-evergreen and bears its very fragrant, waxy, pinkish-white flowers in round, domed clusters in early spring. Glossy green foliage brilliantly tinted in autumn. 18 to 24 in. \$3.75.

MARIESI. An exceptionally fine shrub of medium size. In bloom it is considered by many to be even lovelier than Dogwood. Compact habit of growth, profusion of bloom, and colorful foliage in fall combine to make it an outstanding newer variety. 2 to 3 ft. \$2.00 each; 3 for \$5.75.

OPULUS STRIVILE V. (Old-Fashioned Snowball). 8-10 ft. A well known, large shrub producing showy white, ball-shaped flowers in May. Scarlet fruit. 2 to 3 ft. \$1.50; 3 for \$4.20.

*For other Viburnums see our complete list of nursery stock.

HEDGE PLANTS

BARBERRY (Berberis)

GREEN LEAVED BARBERRY (B. THUNBERGI). 4 ft. Popular hedge plant. Scarlet berries in fall and winter. 18 to 24 in., \$1.00; 3, \$2.25; 10, \$7.00; 100, \$65.00.

MENTOR BARBERRY (B. MENTORENSIS). 3 ft. (Patent No. 99). It is extremely hardy and is able to withstand intense heat and drought without wilting or burning. Its foliage is heavy and thick and remains green until after the holidays. 15 to 18 in., \$1.25; 3 for \$3.45.

RED-LEAVED BARBERRY (B. THUN. ATROPURPUREA). 4 ft. The foliage is a rich, bronzy red all summer. Plant in full sun to develop its coloring. 15 to 18 in., \$1.00; 3 for \$2.70; 10 for \$7.00; 18 to 24 in., \$1.25; 3 for \$3.45; 10 for \$9.00.

COTONEASTER ACUTIFOLIA. (See Shrubs).

HONEYSUCKLE CLAVEY'S DWARF. (See Shrubs).

PHYSOCARPUS. (See Shrubs).

PRIVET HEDGE (Ligustrum)

AMUR PRIVET (L. AMURENSE). 12 ft. One of the best hardy hedge plants. May be sheared to any extent. 18 to 24 in., 3 for \$1.50; 10 for \$3.25; 100 for \$27.50. 2 to 3 ft., 3 for \$1.75; 10 for \$4.00; 100 for \$35.00.

RIBES (Currant)

ALPINUM (Alpine Currant). A hardy, dense shrub suitable for hedges and mass plantings. Attractive foliage, "Boxwood of the North." For shipment in Illinois only. 15 to 18 in., \$1.40; 3 for \$3.90.

ROSA MULTIFLORA - FENCE ROSE

6 to 8 ft. The white or light pink flowers mature into bright red berries which attract game and song birds. The shrub is armed with sharp thorns and makes a stock tight hedge as wide as tall. Seedlings. 12 to 15 in., ½ in. caliper at crown, 10 for \$2.00; 25 for \$4.00; 50 for \$7.00; 100 for \$12.00; 500 for \$50.00.

CHINESE ELM HEDGING

ULMUS PUMILA. It forms a beautiful, dense, impenetrable hedge with small dark green foliage. It can be kept low-growing and clipped, or can be used where immediate screening effects are desired. For hedge purposes, plant seedlings 12 to 18 inches apart. 2 to 3 ft. seedlings, not transplanted, 10, \$2.00; 50, \$7.50; 100, \$13.50.

Ornamental Trees

The following items are not prepaid and will be shipped by express collect.

MAPLE (Acer)

CRIMSON KING MAPLE. See Page 11 for picture and description. 7 to 8 ft. whips \$8.50.

*For varieties of Maples and other shade trees see our complete list of nursery stock.

BIRCH (Betula)

EUROPEAN WHITE BIRCH (B. ALBA). 30-40 ft. Of very upright habit with beautiful white bark. Foliage small and finely toothed. 8 to 10 ft., \$5.75; 3 for \$16.20;

IN CLUMP FORM, these plants are grown so that three main stems come from the root, as white birch so often grows in its natural habitat. 5 to 6 ft. clumps, \$7.00; 6 to 7 ft. clumps, \$8.50.

CUT-LEAVED WEEPING BIRCH (B. PENDULA GRACILIS). 30-40 ft. An unusually graceful drooping tree, with deeply cut foliage and silvery white bark at maturity. 8 to 9 ft., \$8.50; 3 for \$24.45.

FLOWERING CRAB (Malus)

HOPA—Illustrated on Inside Back Cover. 4 to 5 ft. \$3.50.

BECHTEL'S DOUBLE FLOWERING CRAB. Description page 11. 4 to 5 ft. \$4.50.

ALMEY—Description on Inside Back Cover. 4 to 5 ft. \$4.50.

DOGWOOD (Cornus)

See preceding page for Cornus shrubs.

PINK FLOWERING DOGWOOD (C. FLORIDA RUBRA). 15 ft. A small, upright tree that produces large deep rose-colored flowers in early spring. Very showy. 3 to 4 ft. B. & B., \$7.50.

WHITE FLOWERING DOGWOOD (C. FLORIDA). Similar to above, but flowers are white. 3 to 4 ft., B. & B., \$6.50.

HAWTHORN (Crataegus)

PAUL'S DOUBLE SCARLET (C. OXY. SPLENDENS). 12 to 15 ft. Very showy blossoms of bright scarlet color, large, full and very double. 5 to 6 ft., \$5.00.

LOCUST (Gleditsia)

MORaine LOCUST (Patent No. 836). 80 to 100 ft. New. A near-perfect shade or street tree. It is a selected form of the Honeylocust that is thornless and seedless and grows more rapidly, as fast as the soft maple or Chinese elm, but is definitely hard wood. We highly recommend it. 5 to 6 ft., branched \$6.00; 7 to 8 ft., branched \$10.00.

SUNBURST THORNLESS LOCUST. (Gleditsia Triacanthos Inermis Aurea). Plant Pat. No. 1313. For picture and description, see Inside Back Cover. 6 to 7 ft. whips, each \$7.50.

MAGNOLIA

SAUCER MAGNOLIA (M. SOULANGEANA) 20 ft. Flowers come before the long glossy leaves, and are 3 to 5 inches across, cup shaped, rosy pink when in bud. A full-sized tree is a bouquet of thousands of showy flowers, not surpassed by any other tree in effectiveness. 2 to 3 ft., balled in moss \$7.50.

PLUM (Prunus)

THUNDERCLOUD PURPLE-LEAF PLUM. 12 to 15 ft. A small tree shrub. The leaves when young, are lustrous crimson, changing to a dark purple and they retain this beautiful tint until they drop, late in autumn. 5 to 6 ft., \$4.50.

REDBUD (Cercis)

American Redbud (C. Canadensis)
Small heart-shaped foliage. In early Spring masses of small delicate rosy flowers wreath the leafless branches. 2-3 ft. \$2.00; 3 for \$5.55.

EUROPEAN MOUNTAIN ASH

SORBUS ACUCAPARIA. Illustrated on Inside Back Cover. 6 to 8 ft. branched \$7.50.

WILLOW (Salix)

NIobe WEEPING WILLOW (S. NIobe). 30 to 40 ft. Wavy, bright green foliage borne on slender, pendent branches. 6 to 8 ft., \$3.85.

See shrubs for Pussy Willow.

***VAUGHAN'S NURSERY PRICE LIST**

Listing our complete assortment of ornamental shrubs, shade trees, evergreens, small fruits, and fruit trees will be sent free on request. Ready about March 1st.

Plant Foods and Soil Improvers

GROGANIC ROSE & PLANT FOOD. (10-6-4). Supplies both quick acting and long lasting plant foods derived from organics, chemicals and minerals. Trace elements are supplied by organics and dried blood. Complete directions on each package. 5 lb. size 95c; Postpaid \$1.45; 10 lbs. \$1.65, Postpaid \$2.40.



GROGANIC LAWN FOOD. (10-6-4) Contains over 50% organic materials! Not to be confused with fast acting chemicals that force soft growth and are depleted when most needed by turf. A tailor made product that will help to produce a thick dark green lawn. 25 lb. size \$2.95 each. 50 lb. \$4.95 each, Delivery Extra.



VAUGHAN'S 100% ORGANIC (5-5-0). A semi-granular high analysis activated sludge, testing from 5.0% to 5.5% organic nitrogen and from 5.0% to 6.5% phosphate. Being all organic it is a safe, long lasting fertilizer that will not burn at any season of the year. Needless to say it has long been a "must" for home lawns and gardens. It has the ability to aid in the development of a deeper root system and builds beautiful turf. 50 lbs., \$2.30; 80 lbs., \$3.35. Delivery extra.

ALUMINUM SULPHATE. For creating acid condition in the soil. 25 lbs., \$2.75; 50 lbs., \$4.50; 100 lbs., \$6.25.

BONE MEAL. This is a special brand we have put up for our trade. It is ground fine, hence acts quickly Our Bone Meal has been slightly steamed to soften it and is thus quicker in its action. Analysis: Nitrogen 2 percent, total phosphoric acid, 22 percent. 10 lbs., \$1.45, postpaid \$2.20; 25 lbs., \$3.25; 100 lbs., \$7.85.

BULB FOOD. (5-6-15) For Dahlias, "Glads," Tulips, Lilies, Peonies and all tuberous plants needing an abundance of potash. 10 lbs., \$1.45, Postpaid \$2.20; 25 lbs., \$3.25.



EVERGREEN FOOD. (9-7-4). A specific, tailored for all evergreens, ornamentals, hedges, trees and vines. Complete directions on each package. 10 lbs., \$1.45, Postpaid \$2.20; 25 lbs., \$3.25 each.

LAWN AND GARDEN CYANAMID is a "Jekyll and Hyde" chemical. When first applied to the soil, changes begin during which Cyanamid is poisonous to seeds. In 21 days with soil temperatures above 50 degrees, a transformation into safe plant nutrients is completed. In cold weather, five or six weeks may be required to make Cyanamid entirely safe. Full instructions come with it. 25 pounds will treat 500 sq. ft. \$3.75; 50 lbs., treats 1,000 sq. ft. \$6.50.

BORDEN'S 38. Here is the nitrogen fertilizer compound that both commercial and amateur growers have been waiting for. One application of **Borden's 38** provides a steady supply of nitrogen throughout the entire growing season. 2 1/2 oz., 49c; 1 lb., \$1.00; 5 lbs., \$3.25; 25 lbs., \$10.50; 50 lbs., \$17.00.

RHODO-AZALEA FOOD. 3-20-3. For All Acid Loving Plants. 10 lbs., \$1.45, postpaid \$1.95.

SULPHATE OF AMMONIA. 10 lbs., \$1.25, postpaid \$1.85; 25 lbs., \$2.75; 50 lbs., \$3.75; 100 lbs., \$6.50.



URAMITE. (38% N). The new urea-formaldehyde compound. A completely new kind of nitrogen for turf and ornamentals. A water insoluble slow release product, one feeding lasts all season. 50 lb. bag \$17.75.

F-2027 MURIATE OF POTASH Use as supplementary feeding for all tuberous plants. 25 lbs., \$2.50; 50 lbs., \$4.25; 100 lbs., \$6.75.

VAUGHAN'S PEAT MOSS IMPORTED HORTICULTURAL GRANULATED F-2057 A moisture-retaining humus. An important aid to soil fertility, prevents the formation of hard top crust and fungus growth. Home garden size bag, about 25 lbs., \$3.25; Large bale of about 100 lbs., contains approximately 15 bushels of loose peat before bales are compressed, \$6.75.



F-2036 BALANCED ROSE RATION. 7-8-5. A high organic 100% no filler food of Dried Blood, Fish Scrap, Bone Meal, Potash, Cotton Seed Meal and powdered Tobacco (as aid in wire worm control) and well cured neutral Super Phosphate. Can be used on all garden plants. 10 lbs., \$1.45, postpaid \$2.20; 25 lbs., \$3.25; 80 lbs., \$8.35.

Terra-Lite* BRAND VERMICULITE PLANT AID Transplanting New Lawns

The most talked-of product in gardening in years! Composed of countless tiny air cells, Terra-Lite vermiculite holds and releases air and moisture in just the right quantities. Not a fertilizer, but a superior growing medium—good for all these jobs:

Lightening Soil Starting Seeds Storing Bulbs
F-2042. Prices, 1/2 peck bag, 40c; postpaid 65c. 1/2 bushel bag, 90c, postpaid \$1.25; 4 cu. ft. bag, \$2.50. Shipped by express, charges collect.

F-2058 NO-WEED TURFOOD. 6-10-4. This is a mixture of organic plant food with weed killers including 2, 4D, which resulted from experiments conducted at the Pennsylvania Experiment Station. It can be applied with a fertilizer spreader at 1 1/2 to 2 lbs. per 100 square feet and will kill broad leaved weeds, at the same time feeding the lawn. An application in spring and fall has proved in two years' tests to produce a thick, beautiful turf with less than 2% weeds. Do not use on lawns less than a year old, or on close mown creeping bent in summer. Price 25 lb. \$2.75 each; 80 lb. \$6.70.

SHREDDED CATTLE MANURE. Our own brand. An efficient, high grade natural fertilizer for all general purposes, manufactured by special process from selected fresh cleanings from cattle pens. There is no offensive odor. 25 lbs. \$1.25; 50 lbs. \$2.35.

TOMATO FOOD 3-12-13. Finest food for tomatoes, high in Phosphorus and Potash. 10 lbs. \$1.45, postpaid \$2.20; 25 lbs. \$3.25.

Plant food prices do not include shipping charges unless marked postpaid. For Chicago & Suburban deliveries add \$1.10 for 50 lbs. and \$1.45 for 100 lbs. Other points shipped Express charges collect.

S-429 HY-GRO. Analysis: 13-26-13. The soluble plant food and starter solution. 4 oz., 39c; postpaid 45c; 1 lb., \$1.19; postpaid \$1.35; 3 lbs., \$2.65; postpaid, \$3.00; 10 lbs., \$7.00; postpaid \$7.00.

RA-PID-GRO

S-454 RA-PID-GRO. All-Soluble Plant Food. Analysis 23-21-17. For African violets, house plants, gardens. Complete instructions on each package. 6 oz., 50c, postpaid 60c; 8 oz., 75c, postpaid 95c; 1 lb., \$1.30, postpaid \$1.50; 2 lbs., \$2.50, postpaid \$2.75; 5 lbs., \$4.75, postpaid \$5.25; 10 lbs., \$9.00, postpaid \$9.60; 25 lbs., \$21.00 and 50 lbs., \$42.00.



S-348 PLANTRONS. Analysis 12-24-12. Highly concentrated, pleasantly scented, multi-purpose fertilizer beads designed for easy application either Dry or In Solution. In proportions recommended by soil scientists it contains in addition to Nitrogen, Phosphorus and Potassium, completely available Iron, Copper, and Zinc in the new chelated form; and a special Wetting Agent which even with poor soils promotes faster, deeper penetration and better absorption of these plant foods, and also helps prevent **SUMMER SCORCH** by conserving moisture at the root level. For use on all flowers and every type lawn. 1 1/2 lb. can, each, \$1.19; postpaid, \$1.40. 5 lb. can, each \$2.95, postpaid \$3.35. 10 lbs. in Roto-Spreader canister, with handle, for \$5.85; postpaid \$6.75. 25 lbs. in Roto-Spreader canister with handle for \$10.75. 50 lb. bag for \$16.95. 10 lb. refill package for \$3.85; postpaid \$4.75.



S-451 FULTON'S PLANTABS. Odorless plant food in tablet form, supplies a completely balanced plant food including Vitamin B-1. Per box of 50 tablets, 39c, postpaid 45c; box of 90 tablets, 59c, postpaid 70c; box of 200 tablets, \$1.00, postpaid \$1.10. Large size approximately 1,000 tablets, \$3.50, postpaid \$3.75.

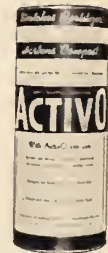


S-245 FLORALIFE. Makes your cut flowers live longer. Pkt. to make 1 qt. solution, each, 10c; three pkts. for 25c. Home size tin makes 30 qts., each, \$1.00, postpaid \$1.20; 100 qt. size, each, \$3.00, postpaid \$3.40.



S-401 ACTIVO. Make your won fertilizer easy, in as little as three weeks.

Just sprinkle Activo on kitchen waste, leaves, garden rubbish, sewage sludge etc. Sprinkle in outdoor toilets reduces odors, makes easily handled ash of waste. No. 2 size, \$1.40, postpaid \$1.70; treats 450 lbs. compost; No. 7 size \$3.00, postpaid \$3.50; treats up to 1800 lbs.; No. 20 size \$7.00; treats up to 2 tons compost. No. 50 size drum, \$12.95; treats 6 tons compost.



S-402 ADCO ARTIFICIAL STABLE MANURE. To make it yourself, to each ton of straw, hay, cornstalks or dried leaves add 150 lbs. of Adco. This makes four tons of fresh or three tons of rotted manure. Full directions. 5 lb. bag., \$1.95, postpaid \$2.30; 20 lbs., \$4.25, via express; 80 lbs., \$17.95, via motor truck.

S-435 PLANT MARVEL. Pure, Rich Plant Food is a scientific blend of 12% nitrogen, 31% phosphoric acid, 14% potash, Vitamin B-1, mineral and trace elements in a form that dissolves quickly and completely in water. Use it indoors or outdoors. Grows plants in water, sand, or soil. 1/2 lb. can ea. 80c, postpaid 95c; 1 lb. can each \$1.35, postpaid \$1.60; 5 lb. can each \$4.75; postpaid \$5.25; 10 lb. drum, each \$8.75, postpaid \$9.60; 25 lbs. ea. \$18.75; 50 lbs. each \$33.75; 100 lb. drum for \$60.00.

KILLS ALL LIFE IN SOIL

S-210 Vapam Soil Fumigant. All living things in soil, including seeds, fungi and insects, are killed by this fumigant, which simplifies the home gardener's task of preparing soil for seedlings, etc. Two weeks after treatment, it is safe to sow the crop! A sprinkling can is the only equipment needed. 1 qt. will treat 100 square feet. Price, 1 qt. for \$1.95; postpaid \$2.30; 1 gallon jug, each \$5.60; 5 gallon drum, for \$24.25 shipped express only.

KNEE PADS



S-1117 All rubber cushion pads constructed of solid and sponge rubber with adjustable straps; fit any knee, will not slip down. Price, \$2.25, postpaid, \$2.45.

Sprays and Dusts

ALL THE LATEST PESTICIDES

S-114 ANTROL AFRICAN VIOLET AND HOUSE PLANT INSECT BOMB. Made specifically for AFRICAN VIOLETS and other house plants such as IVY, etc. Always ready—No Mixing—No Pouring—No Sprayer To Buy. 6 oz. size, ea. 89c; postpaid \$1.05



S-383 ROOST NO MORE a harmless gelatin compound that birds find unpleasant undertoot. It does not kill or injure the birds in any way, it merely prevents them from roosting where they create a nuisance. It is odorless to humans, non-inflammable, non-toxic, weatherproof and economical to use. Will positively stop birds from roosting when properly applied. 10 oz. Aerosol Bomb, each \$2.50; postpaid \$2.70.



S-193 FERMATE. Fungicide gives improved control of plant diseases, with safety to all plants. Reliable specific for black spot on roses, leaf spot on chrysanthemums, snapdragons rust, anthracnose of tomatoes, and brown rot of cherries. For use against all fungi and mildews. 8 oz., \$1.00, postpaid, \$1.15; 3 lbs., \$3.50, postpaid for \$3.85.

S-339 ACME WETTABLE DUSTING SULPHUR. An improved dusting sulphur recommended to control Mildew, Leaf Spot, Black Spot, and Rust on rose bushes, chrysanthemums, snapdragons and other foliage, also Red Spiders on Evergreens. For Garden and Lawn use. 2 lb. shaker top carton, 85c, postpaid, \$1.15.



S-102. ACME 6% CHLORDANE DUST. For dusting in gardens and on lawns to control ants, cut worms, chiggers, wire worms, etc. Price per 1 lb. sifter top carton, each 65c; postpaid 90c; 4 lb. bag, \$1.65 postpaid \$2.10.

S-144 45% CHLORDANE EMULSION CONCENTRATE. Kills grasshoppers, roaches, ants and many other insects. 4 oz. 75c, postpaid 85c; 8 oz., \$1.25, postpaid \$1.40; 1 pt., \$1.95, postpaid \$2.15; 1 qt., \$2.95, postpaid \$3.30; 1 gallon \$9.00 express collect.



S-101 ACME ALL ROUND SPRAY. For roses, shrubs, vegetables and flowers. Price lb. \$1.29; postpaid \$1.50. 3 lbs. \$2.45; postpaid \$2.85.

S-106 ACME GARDEN GUARD. 1% Rotenone, safe on garden vegetables. In 1-lb. shaker top cans. Each, 69c; postpaid, 95c; 4 lb. pkg. \$1.75. Postpaid \$2.10.



S-265 PARA-SCALECIDE. A liquid paradichlorobenzene treatment for control of peach borers and other borers affecting fruit and ornamental trees. Pour 1/2 to 1 1/2 pints of diluted Para-SCALECIDE (1 to 7 parts of water) around base of affected tree in early Fall or late Spring. Kill borers on dogwood, rhododendrons, apples, etc. by applying diluted Para-SCALECIDE in borer holes with force-feed oil can. 1/2 pt., 85c, postpaid \$1.00; quart, \$1.69, postpaid \$1.95; gallon, \$3.98, postpaid \$4.75; 5 gallons \$15.00.

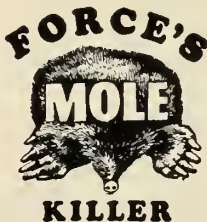


S-298 SCALECIDE. A complete dormant spray for fruit trees, shade trees and ornamentals. Controls scale and invigorates growth. Use 1 gal. to 15 gals. water. 1 pt., 95c, postpaid \$1.15; qt., \$1.39, postpaid \$1.65; gal., \$3.25, postpaid \$3.95; 5 gals., \$13.50; 15 gals., \$27.75; 55 gal. drum \$71.50. No Charge or deposit on drums.

S-163 RIDZ DOG REPELLENT. Aerosol bomb, contains 12 oz.; no mixing. Easy to apply. Touch of your finger applies it where you want it. Price each \$1.49, postpaid \$1.65.



S-168 DOGZOFF LIQUID. Breaks dogs of bad habits. Spray underneath your evergreens, and guard them completely against the depredation of dogs. Non-poisonous. 3 oz. bottle, 75c; by mail, 85c.



S-195 NEW IMPROVED FORMULA. Made in pellet form. No traps, no gas. Ready to use. small size, 35 pellets, 35c; postpaid, 45c. Regular size, 60 pellets, 65c; postpaid, 75c. Large size, 175 pellets, \$1.15; postpaid \$1.25. Commercial size, 875 pellets, \$3.50, postpaid \$3.75.

FUNGICIDES

S-374 ACME GARDEN FUNGICIDE. This new modern fungicide, containing Captan (30%) and Karathane (3%) is effective for control of black spot and powdery mildew on roses and many diseases of certain other flowers and ornamentals. 8 oz. each, \$1.40, postpaid, \$1.55.

S-127 BORDEAUX MIXTURE (Dry). The best fungicide for black rot, mildew, blight, leaf curl, scab or other fungoid diseases. 1 lb. will make 5 gallons liquid. Lb., 95c, postpaid \$1.20; 4 lbs., \$2.00; postpaid, \$2.45.

S-301 SEMESAN. The universal seed disinfectant. 4 oz., \$2.50, postpaid \$2.65; 12 oz., \$5.95; postpaid \$6.25; 25 lbs., \$105.00.

S-138 NEW IMPROVED CERESAN. For gladiolus bulb treatment. 1 lb., \$1.95, postpaid \$2.20.

S-323 TERSAN 75 for control of brown patch dollar spot, snow mold, etc. 8 oz., \$1.95, postpaid, \$2.15; 3 lbs., \$6.00, postpaid, \$6.40.

S-313 SPERCON SEED PROTECTANT. Kills the soil fungi and bacteria which cause damping off. 1 lb., \$2.40, postpaid \$2.65; 5 lbs., \$10.50; postpaid \$10.95.

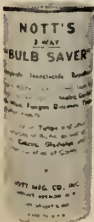
S-336 VOLCK OIL SPRAY. Controls scale insects, mealy bug, white flies, red spiders, rust mites, aphids and thrips. 4 oz., 39c, postpaid 50c; pint, 79c, postpaid \$1.00; 1 gal., \$3.19, postpaid \$3.75; 5 gals., \$10.49, express collect.

S-330 TRI-O-GEN 3 WAY ROSE DUST. Price 1 lb. canister, \$1.25, postpaid, \$1.50; 5 lbs., \$4.98, postpaid, \$5.50.

S-329 TRI-O-GEN 3 WAY ROSE SPRAY.

Combined spray treatment fungicide-insecticide and plant stimulant. A complete protection against plant insects and diseases. E, kit trial size, \$1.79, postpaid, \$2.00; A, small kit, makes 16 qts., \$2.49, postpaid, \$2.75; B, medium kit, makes 64 qts., \$6.25, postpaid, \$6.60; C, large kit, makes 32 gals. \$9.95, postpaid, \$10.50; D, estate kit, makes 128 gals., \$30.00, express collect.

NOTT'S 3 WAY "BULB SAVER" FUNGICIDE-INSECTICIDE-REPELLENT



S-272 Guaranteed to protect bulbs and corms from fungus diseases, thrips and other insects and also from the ravage and damage caused by moles, gophers, rats and mice. An easy dusting powder for use on tulips, daffodils and other varieties of bulbs—gladiolus, crocus and other type corms. 2 oz. can for 79c, postpaid 90c.; 8 oz. can for \$2.49, postpaid \$2.70.



OFF. Insect Repellent. Now both in liquid and bomb! Longest lasting repellent known—protects against mosquitoes for 5 hours. Effective against all biting insects tested. A clear liquid that's not greasy, no objectionable odor. Resists water and perspiration. . . will not rub off under conditions of normal use. S-316 1 1/2 oz. bottle for 75c, postpaid 85c. S-316A 5 oz. aerosol bomb for \$1.19, postpaid \$1.35.

STOMACH POISONS

S-381 ACME DIELDRIN 18 (Liquid) Sensational control of Lawn insects and many others. Controls ants, chiggers, white grubs, sod webworm, and others in lawns. In flower gardening soil for cutworms, wireworms, earwigs, slugs, root maggots and others; household pests such as roaches, silverfish, carpet beetles, box elder bugs, termites and others. 8 oz. bottle each \$1.35; postpaid \$1.55. 1 qt. each \$3.75; postpaid \$4.10. 1 gal. each \$13.25; express collect.

S-122 ARSENATE OF LEAD (Dry). 1 lb. carton 90c; postpaid 1.25; 4 lbs., \$2.40, postpaid \$2.85; case of 48 lbs., \$24.00.

S-308 SNAROL MEAL. Contains metaldehyde, the best slug and snail killer known. Lures slugs and snails from plants and kills fast. Available in meal and pellet form. 1 lb., 50c, postpaid 70c; 2 1/2 lbs., \$1.00, postpaid \$1.35; 6 lbs., \$2.00, postpaid \$2.45; 50 lbs., \$13.00.

CONTACT INSECTICIDES

S-126 NEW IMPROVED BLACK LEAF 40. Nicotine Sulphate. A spray for sucking insects. Directions must be followed carefully. 2 oz. bottle, 98c, postpaid \$1.05; 6 oz. bottle, \$1.98, postpaid \$2.10; 12 oz. bottle, \$2.98, postpaid \$3.20; 5-lb. can, \$9.25, postpaid \$9.80; 10-lb. can, \$18.00, postpaid \$18.95.

S-325 TOBACCO DUST. Contains over 3/4 nicotine superfine grind. 1 lb., 30c, postpaid 45c; 5 lbs., 80c, postpaid \$1.20; 10 lbs., \$1.35, postpaid \$1.95; 50 lbs., \$4.95, express collect.

MISCELLANEOUS

S-256 ANTROL MULTI PURPOSE ROSE SPRAY FLOWER BOMB. Contains Lindane, Captan, Karathane. Can be used on all types of flowers. No mixing, no pouring, no sprayer to buy. 15 oz. size each, \$1.59, postpaid \$1.80.



MISCELLANEOUS

S-130 PRATT'S D-X AERO-SPRAY BOMB. For House Plants, for African Violets, Ferns, Ivy, etc. A low pressure Aerosol bomb that makes it easy to kill insects on plants. Controls Aphids, mites and mealy bugs. 12 oz. each \$1.50; postpaid \$1.70.

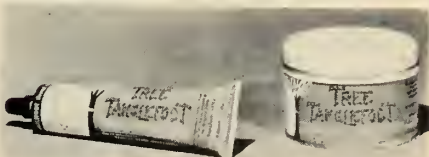
S-181 DUPONT FRUIT TREE SPRAY. Recommended for control of many insects and fungus diseases affecting fruit trees. Specially formulated for spray application. 1 lb. canister, \$1.25; postpaid, \$1.50; 3 lb. bags, \$2.75; postpaid, \$3.20.

S-294 ACME 50% MALATHION SPRAY. Excellent for control of mites, scales, white-flies, plant bugs and many chewing insects. 1 oz. 50c, postpaid 60c; 4 oz. \$1.25, postpaid \$1.40; pint \$3.00, postpaid \$3.25.

S-359 ISOTOX GARDEN SPRAY. Contains Lindane, Malathion and DDT. Use on Flowers, Shrubs and Fruit Trees. 4 oz., \$1.19, postpaid, \$1.35; 8 oz., \$1.98, postpaid, \$2.20; 1 pint, \$2.98, postpaid, \$3.25.

S-312 SPERCON GLADIOLUS DUST. Controls thrips & Corm decay. A dust containing spergon and D.D.T. to be applied to corms before planting, or storage in Fall. Also Tulips, Narcissus and Iris. 2 oz. each 50c, postpaid 60c; 1 lb. each \$2.00, postpaid \$2.25. 5 lbs. for \$6.25; postpaid \$6.65.

S-264 PINE TAR. For tree surgery. Stops bleeding of the sap. Pint, 50c, postpaid 70c; qt., 85c, postpaid \$1.10; gal., \$2.40, postpaid \$3.00.



S-328 TREE TANGLEFOOT is a non-drying sticky compound. It is applied as a band to completely encircle the trunks of trees, thereby preventing climbing insects from reaching foliage, buds or fruit. TREE TANGLEFOOT is used in the same way banded around the spurs and canes of vines, or stems of shrubs or plants. Price, 6 oz. tube, ea. 90c postpaid \$1.05; 1 lb. can, \$1.50; postpaid \$1.70; 5 lbs., \$7.00; postpaid \$7.50; 25 lbs., \$26.50 express collect.

Garden Pesticides and Hormones

Weed Killers

5-299 CRAG HERBICIDE 1.



Save work—and keep your garden neat by preventing weeds from growing. Kills weed seeds as they germinate. No worry about drift damage to foliage or sensitive plants. 4 oz. each, \$1.50, postpaid \$1.65; 1 lb. can ea. \$4.49; postpaid \$4.70; 2 lb. bag \$6.00; postpaid \$6.35.

5-464 NEW IMPROVED WEEDONE. Contains 2, 4-D plus 2, 4, 5-T. With this combination of weed killers you can keep your grounds free from almost any unwanted plant growth. 8 oz. covers 1,500 sq. ft. Price each, \$1.00, postpaid, \$1.15; quart, \$2.75, postpaid, \$3.00; gallon, \$6.75; postpaid \$7.60; 5 gallon drum, \$24.75 each.

5-465 WEEDONE BRUSH KILLER 32. Contains 2, 4, 5-T plus 2, 4-D. For control of poison ivy, poison oak, and many other woody plants. Not recommended for lawn use. 8 oz. cans, \$1.49, postpaid, \$1.60. Price per quart, \$3.75; postpaid, \$4.10; per gallon, \$7.25, postpaid \$7.95; 5 gallons, \$34.50.

5-428 HERBICIDE. Unsightly grass and weeds on driveways, cobble gutters, and undesirable places are completely destroyed by a simple application. For ordinary grass and weeds each gallon may be diluted with 50 gallons of water, to cover 1,000 square feet. Qt., \$1.00, postpaid \$1.30; gal., \$2.50, postpaid \$3.25; 5 gals., \$10.00; 55 gals., \$57.50. By motor collect.

AMMATE WEED AND BRUSH KILLER (DuPont)

5-404 (Ammonium Sulfamate.) A non-poisonous weed killer which can be applied by hand or sprayer, or can be applied dry. Will kill Poison Oak, Poison Ivy, Poison Sumac, Dandelions and Plantain. Use $\frac{1}{4}$ to 1 lb. to gallon of water. Price, 2 lb. pkg., \$1.25, postpaid \$1.50; 6 lb., \$3.25, postpaid \$3.70; 60 lb., bag, \$20.00.

5-239 CARCO X. Your Garden Protector. General garden spray for trees, shrubs, flowers and vegetables. For control of Iris Borer, Ants, Aphids, Thrip, Wireworms, etc. When mixed with water and applied according to directions it acts four ways in protecting your garden as a Soil Treatment-Repellent-Contact Insecticide-Fungicide. 8 oz. bottle \$1.25, postpaid \$1.45; 1 pt. \$1.85, postpaid \$2.15; 1 qt. \$3.00, postpaid \$3.35; 1 gallon \$8.75, postpaid \$9.50.



5-422 WILT-PRUF. Now you can transplant your precious evergreens, fruit trees, flowering shrubs and herbaceous plants, without worry of deadly water-logs, whenever you wish. A WILT-PRUF application before transplanting provides the plant with a gentle protective coating which prevents transpiration of its vital life-giving water until its roots adjust themselves to a new source of water and nutrition. Especially desirable when propagating and setting out young plants. Prevents Winterburn and Summer-scald on Evergreens. 6 oz. plastic container each \$1.00; postpaid \$1.15. 1 qt. can each \$3.50; postpaid \$3.85. 1 gal. each \$10.00; postpaid \$10.85.

5-382 RAID House and Garden Bug Killer kills bugs in BOTH the house and the garden. Clears rooms of flies, mosquitoes and other flying insects.

In the garden kills aphids, mites, thrips and most other pests... yet does not harm plants. 12 oz. aerosol bomb each \$1.59; Postpaid \$1.80.



5-164 DUPONT ROSE SPRAY DUSTER. A combination insecticide-fungicide for use on roses, and many outdoor flowers. It sprays both a liquid insecticidal spray and a dry fungicidal dust. 12 oz. aerosol bomb each \$1.98; postpaid \$2.15.



KILLS RED SPIDER AND MITES

5-161 DIMITE.

A quick, positive, long lasting contact control for mites and red spider damaging evergreens, flowers, fruit and shade trees, etc. Contains 25% Di F-Chlorophenyl Methyl-Carbonyl (DMC) in a water mixable solution. 2 oz., 79c each, postpaid, 90c; 8 oz., \$2.15, postpaid \$2.35; qt. tin, \$6.00, postpaid \$6.35.



5-133 BUG-GO INSECT SPRAY.

BOMB Kills All Household Insects. The most effective aerosol insecticide. Deadly to flies, roaches, bedbugs, silver fish, ants, mosquitoes, wasps, and any crawling or flying pests. Contains DDT, Pyrethrum and Piperonyl Butoxide, three killing ingredients. Approved by U.S. Department of Agriculture. Leaves no unpleasant odor. Used as directed, is completely harmless to humans. 12 oz. aerosol bomb. Each, \$1.30; postpaid, \$1.45.

NEW RED SPIDER REMEDY

5-118 ARAMITE. Extensive tests by experimental stations show this to be the best control for these pests. 4 oz. \$1.00, postpaid \$1.15; 12 oz. \$2.00, postpaid \$2.20; 4 lbs. \$4.85, postpaid \$5.30.



PRATT'S FRUIT TREE DUST OR SPRAY

5-274 A combined fungicide and insecticide containing Sulphur, basic Arsenate of Lead and DDT for control of many chewing and sucking insects and fungus diseases on fruit trees, ornamentals and evergreens. 1 lb. Sifter Top can \$1.00; postpaid \$1.25. 3 lb. bag, \$2.00; postpaid \$2.40.



WONDER-BREL. GIBBERELIC AEROSOL BOMBS



Makes plants grow up to 3 times bigger and faster. Fortified Gibberellin plant growth stimulant. The amazing new growth stimulant which makes plants grow to giant size; produces rapid turf growth; breaks dormancy of seeds, leaf and flower buds; makes plants grow bigger, mature and bloom earlier.

5-183 6 oz. aerosol bomb for \$1.25; postpaid \$1.45.

5-183A 15 oz. aerosol bomb for \$1.98; postpaid \$2.25.

SEQUESTRENE 330 Fe Iron CHELATE



5-311A A DTPA iron chelate containing 10.5% iron metallic for correction of iron chlorosis in azaleas, roses, rhododendrons, pin oaks and other ornamentals, turf, and fruit trees, including apples, pears, peaches, growing in alkaline or slightly acid soils. It may be applied as a soil treatment or in foliage sprays. For roses, mums, gardenias, gladioli, snaps, etc., use 2 to 4 ounces per 100 square feet. For trees, and large woody shrubs, use 1 to 2 oz. per inch of trunk diameter as a soil drench. 4 oz. package for \$1.19, postpaid \$1.30; 1 lb. package for \$2.98; postpaid \$3.25; 5 lbs. for \$9.00; postpaid \$9.60.

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

D. D. 7. for all Purposes

5-158 50% D. D. T. WETTABLE DUST. For diluting in water for spraying, or mixing with talc to prepare dust of desired strength. One pound in 100 gallons of water makes effective garden spray leaving a heavy residual deposit on plants. 1 lb., \$1.10; postpaid, \$1.35; 4 lbs., \$2.40, postpaid for \$2.80.

5-157 PRATT'S 25% D. D. T. LIQUID SPRAY. D. D. T. in emulsion form has given results on some insects superior to those from wettable powders. This is safe to use on garden and greenhouse plants. Eight ounces will make 25 gallons of garden spray. 8 oz., 95c, prepaid \$1.10; 1 qt., \$1.65; postpaid \$1.90.

5-155 5% D. D. T. DUST. A ready-mixed garden dust of D. D. T. combined with a fine, light-weight filler, safe to use on all plants in gardens and greenhouses. 1 lb., 60c, postpaid, 85c; 4 lbs., \$1.35, postpaid, \$1.80.

Plant Hormones

TRANSPLANTONE

5-327 One level teaspoon makes 10 gallons of solution. Water your plants with Transplantone to get better roots, more vigorous growth and quality flowers. $\frac{1}{2}$ oz., pkt., 25c, postpaid 30c; 3 oz. can, \$1.00, postpaid \$1.10; 1 lb. can, \$4.00, postpaid \$4.20.

ROOTONE WITH FUNGICIDE

5-287 A hormone powder easy to use, which stimulates root development. No skill is needed to apply, just dip and plant. Newly added fungicide controls damping off and other soil-borne diseases. Price, $\frac{1}{4}$ oz. pkg., 25c, postpaid 30c; 2 oz. jar enough to treat 3,000 cuttings, \$1.00; postpaid \$1.10; 1 lb. jar will treat up to 30,000 cuttings, \$5.00, postpaid \$5.20.

5-289 ROOTONE No. 10. For rooting of Azaleas, and other slower rooting varieties. 2 oz. jar, \$2.00, postpaid \$2.10. 1 lb. can, \$10.00.

HORMODIN POWDERS

Stimulate Root Growth on Cuttings.

5-215 POWDER No. 1. Designed primarily for use on Carnations, Chrysanthemums, Poinsettias, Rose, and similar types. Price, $\frac{1}{4}$ oz. pkg., each, 50c; postpaid 60c; 1 lb., \$3.00, postpaid \$3.20.

5-216 POWDER No. 2. Designed for use on less sensitive species, which comprise many of the semi-woody types and many of the common shrubs. Price $\frac{1}{4}$ oz., 75c, postpaid 85c; 1 lb., \$4.50, postpaid \$4.70.

5-217 POWDER No. 3. Designed for use with the more resistant species which comprise most of the evergreens and dormant leafless cuttings. Price, 1 oz., \$1.00; $\frac{1}{2}$ lb., \$4.50, postpaid \$4.65.

5-218 COMBINATION PACKAGE OF No. 1-2-3. For 75c, postpaid 85c.



5-421 LEAF-GLOW AEROSOL BOMB. Original spray for shining leaves. Contents 5 oz. Each \$1.00; postpaid \$1.15.

SAXOLIN DUPLEX CRINKLED WATERPROOF TREE WRAP



5-1543 For covering the trunks of transplanted and newly set fruit and shade trees. Helps your stock to get off to a healthy start. Rolls, 4 inches wide about 155 ft. to a roll. Weight about 2 $\frac{1}{2}$ lbs. Each, \$1.00, postpaid, \$1.25; 10 for \$9.00 via express collect.

Dusters and Sprayers



DOBBIN'S BIGHEAD SPRAYER

5-734 4 3/4" diameter opening. Easy to fill, drain and clean. Complete with 3 ft. hose & 2 ft. brass extension rod with adjustable nozzle. Will handle all spray solutions. 4 gallon capacity. No. 44A Galvanized tank. Each, \$20.25, postpaid \$21.50.

5-737 Model 45A Stainless steel each, \$38.25, postpaid \$39.50.

HUDSON No. 220B BUGWISER SPRAYER

5-718 Ideal for home, lawn and garden spraying. With safe-T-lock. 3 gal. Galvanized welded tank. Weight 7 1/2 lbs. Each \$10.27. Postpaid \$10.95.



JIM DANDY CART SPRAYER

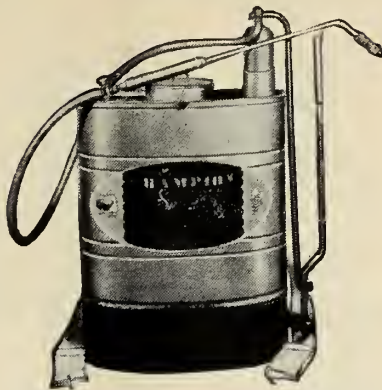
5-775 The king of all sprayers. The all around sprayer for lawns, vegetable crops, trees, shrubs, etc. Also a handy sprayer for factory or indoor use. Easily wheeled around.

Equipped with balloon tires and 12 ft. of 3/4 inch high grade spray hose and automatic shut-off nozzle. Galvanized, price each \$43.95 via express collect. Prepaid \$45.95. 5 gallon capacity.



FERTA-MIX A TRANSPARENT UNBREAKABLE PLASTIC APPLICATOR

5-940 A self-mixing fertilizing unit. Easiest method known for feeding modern lawns and gardens. No concentrate to mix or bucket to carry. Spreads ANY WATER SOLUBLE plant food. Can be attached to faucet, between lengths of hose, lawn sprinkler or to spray nozzle. It's automatic; no tiresome tramping around the lawn. One cup of any water soluble plant food placed in the transparent mixing chamber feeds approximately 1000 square feet of lawn in 10 to 15 minutes, spreading fertilizer uniformly over the watering area. Each \$3.95; postpaid \$4.25.



CHAMPION KNAPSACK SPRAYER

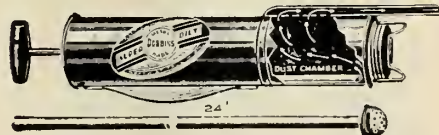
5-717 This all purpose, portable sprayer will handle insecticides, fungicides, weed killers, water paint, etc. Equipped with brass agitator, will hold 4 1/4 gallons of any liquid. The form fitting tank is held comfortably in place on operator's back by adjustable straps. Price, galvanized, each \$29.82; with brass tank, \$33.92 via express collect.

FEENEY MODEL C DUSTER



5-742 Splendid Hand Duster. Each, \$1.85, postpaid, \$2.10.

DOBBIN'S IMPROVED HAND DUSTER



5-731 Model 132. Recommended for applying all dust insecticides. A uniform discharge, no waste. For all garden and field crops. Self-lubricating pressure seal valve plunger. Capacity 1 lb., equipped with two-way dust cap. Each \$3.10. Postpaid, \$3.35.

5-703 ARNOLD GARDEN HOSE INSECTICIDE SPRAYER AND CARTRIDGES. Acclaimed by amateur gardeners and garden clubs as the easiest to operate, and the most labor-saving spraying device they have ever used to control garden insects and plant diseases in the home garden. Sprayer only each \$6.95; postpaid \$7.25.

CARTRIDGES FOR ARNOLD GARDEN HOSE SPRAYERS

5-120 We can supply a complete line of cartridges, Weedospray, Nicotine, Malathion, Captain, Methoxychlor, Lindane, D. D. T., Sulphur, Arsenate of Lead, Chlordane, Vitamin-B-1; and a combination Pyrethrum Rotenone Cartridge. Price three for \$1.25, postpaid \$1.35; doz., \$4.80, postpaid \$5.25.

5-121 ARNOLD WEED-O-SPRAY COMBINATION set consisting of 1 Plastic sprayer and 2 Weed-O cartridges. Price \$1.75, postpaid \$1.90.



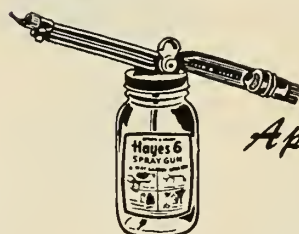
PNEUMATIC HAND SPRAYER

Compressed air hand sprayer. Operator sprays with one-half labor ordinary sprayer requires. Throws a fine mist and can be used to apply insecticides, etc. One quart size has extra nozzle for underleaf spraying. 5-784 GALVANIZED TANK. \$2.55; postpaid \$2.80. 5-786 TIN TANK. \$2.10; postpaid \$2.35.

BLIZZARD COPPER CONTINUOUS SPRAYER



5-800 Very durable, seamless brass pump, solid copper tank with adjustable nozzle for straight and underleaf spraying. Quart size, \$6.69, postpaid, \$7.10.



Garden Hose Applicators

HAYES No. 6 SPRAYER

5-755 All Purpose Sprayer. Makes 6 gals. of mixed spray material at a time. Sprays liquid and most wettable powders, up, down, sideways, and high foliage. Attach to your garden hose. Gives you the efficient performance of heavy, expensive equipment. Operates on water pressure from 30 to 75 lbs. No moving parts to wear out or break. Each, \$9.95, postpaid \$10.50.

5-815 RED-MIX 2 IN 1 SPRAY- ER. Model 243.

Works on your garden hose, sprays any liquid or soluble chemicals mixed with water, on plants. One sprayer for flowers, plants, shrubs, tall trees, and lawns. Equipped with two different nozzles instantly interchangeable. Has handy shut-off. Sprays Up—Down—to either side or full stream up to 30 ft. high. Price each \$4.95, postpaid \$5.25.

5-962 CENTROSPRAY RUBBER SPRINKLER with two sprayheads.

Spray head A (for spraying water), sprayhead B (for dusting powders). Makes 6 gallons of mixed spray. Each \$6.95; postpaid \$7.35.



5-773 INSECT-O-GUN GARDEN SPRAYER.

The easy way to spray. Attaches to garden hose, and water pressure does the work. No pumping, no tank to carry. Ideal for foliage feeding. Sprays any Insecticides-Fungicides, Weed Killers. Sprays liquids or powders. Makes 6 gallons of mixed spray. Each \$6.95; postpaid \$7.35.

METAL LAWN SIGNS

5-1908 These attractive signs have raised letters, baked enamel finish, holes for attaching to stakes. Size, 3 x 12 inches. Colors, green on white. Sign wordings—Your Feet are Killing Me—Please—Seeded—Keep Off The Grass. Signs with stakes, each, 65c, postpaid 70c; six for \$3.30, postpaid \$3.55.



Sprinklers—Sprayers and Soakers



SWAN DOUBLE BRAID GREEN RUBBER GARDEN HOSE No. 8190

5-927 Full 3/4 inch. This hose is guaranteed for 10 years. Will not burst under 800 lb. water pressure. 50 ft. only weighs 16 lbs. Easy to handle. Price per 50 ft. length coupled, \$13.95, postpaid \$14.85.

5-960 SWAN HOSE No. 8500. Plastic, full 1/2 inch. Guaranteed for 5 years. 25 ft. lengths \$2.95; postpaid \$3.35 each; 50 ft. lengths \$4.50 each; postpaid \$5.00.

5-945 RAIN KING MODEL K. Automatic, new, sensational sprinkler that you can set instantly to sprinkle any size circle 5 to 50 ft. by simply turning the button on top of the sprinkler. Price each, \$9.95; postpaid \$10.35. Shipping weight, 5 lbs.



MODEL K

RAIN KING TRAVELING SPRINKLER Model K20

5-948 Fully automatic, can be set to sprinkle areas 5 to 50 feet wide as it travels, straight or around corners. Will travel up to 125 feet. Price each, \$39.50, postpaid \$40.30. Shipping weight 9 lbs.



ROSS SQUARE SPRAY HEADS



5-957 It sprinkles a square, making it easy for you to install your own underground system, at a very low cost. Threaded for 1/2 in. pipe, capacity 3 1/2 gals. per minute. 54A. Price, ea., 95c; per doz., \$10.20, postpaid \$10.50.

5952-2A 1/2 or **5951-4A** 1/4 circle heads. Price ea., 80c; doz., \$8.65, postpaid \$9.00.



BUTTERFLY SPRINKLER

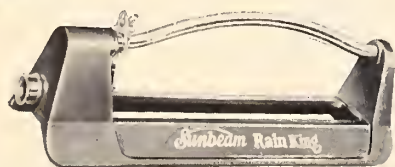
5-935 Cheapest and best sprinkler made. Head only. Sizes 3/4", 1/2", and 3/8". Each, \$1.50; postpaid, \$1.60.

5-938 Mounted on 2 ft. stand complete, ea. \$3.50; postpaid \$3.85; 4 ft. complete, each \$4.00; postpaid, \$4.50; 6 ft. complete, each \$4.75 via express collect.

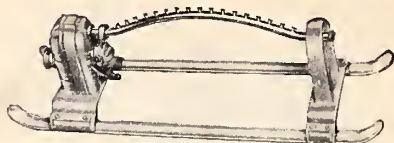
ROSS No. 10 HAND SPRINKLER



5-953 Preferred by nursery men and home owners alike. Capacity 13 gallons per minute. Do not compare with cheaper imitations. Each, \$1.50; postpaid, \$1.65.



5-959 SUNBEAM OSCILLATING SPRINKLER, Model S. Sprinkles rectangular area over 45 feet in length and over 25 feet in width on 30 lb. pressure. Simple easy-to-set adjustment. Stainless steel and nylon gears used throughout for smoother action, longer life. Each, \$14.95; postpaid \$15.35.



AVON MODEL No. 950 DIAL-A-MATIC OSCILLATOR SPRINKLER

5-901 Now you can DIAL the coverage you desire. Its jet controlled spray thoroughly waters an area up to 2400 sq. feet. Each, \$14.95, postpaid \$15.35.

5-785 PARK SPRINKLER MODEL 911. Gives even coverage up to 50 feet. Operates on either low or high pressure. Steel spike 7 inches long holds sprinkler in position. Each \$2.95; postpaid \$3.20.



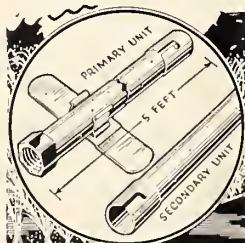
SHERMAN LEVER-LOCK HOSE NOZZLE 3/4"

5-944 Has exclusive Magic Loc, you can lock the nozzle at any desired position, from a mist spray to a flushing stream. Polished chrome plate stainless steel, 100% rustproof. Each \$1.50; postpaid \$1.65.



5-971 SWAN MODEL 20 TRIPLE TUBE SPRINKLER SOAKER. Improved, super strength plastic, green finish. Water channels are larger "hole growth" eliminated, and greater sprinkling and soaking achieved at lower water pressure. Special inserts where water enters tubes balance water flow perfectly to each tube, thus preventing tube collapse and uneven water distribution the length of the soaker. 25 ft. each \$3.25; postpaid \$3.50. 50 ft. each \$4.98; postpaid \$5.35.

NATURIN PERFORATED PIPE



Made of durable aluminum and stainless steel. Each section 5 ft. long, weighs less than a pound. Ordinary pressure will throw water 20 ft. in 30 ft. lengths.

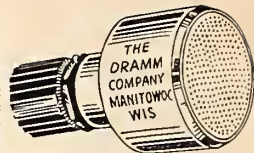
5-942 PRIMARY UNIT comes complete with end cap and adjustable stand. Use any number of SECONDARY UNITS with one primary unit according to size of lot and water pressure. Each, \$2.95; postpaid \$3.15.

5-942A Secondary Units, each, \$2.75, postpaid \$2.95.

5-975 WATER WAND. Watering shrubs, flowers, and trees is a simple job with waterwand; no danger of washing away the rich top soil. Ea., \$4.00; postpaid \$4.35.



5-974 No. 400 WATER BREAKER. This is the answer to the florist's problem for an all purpose watering gadget. It will do most any watering job. This breaker has 400 1/2 inch holes in it. The four hundred tiny streams of water are concentrated in a small area, consequently speeding your watering job. Each, \$2.00; postpaid \$2.10.



5-965 FOGG-IT NOZZLE. Garden fog nozzle breaks water into a fine mist of a fog-like spray for watering seed beds, new plantings, newly-seeded lawns, young plants, and all tender plants. Works efficiently with high or low water pressures on any standard garden hose. Will not wash away seeds, soil, or fertilizer. Has 3/4" connection. Each \$1.95; postpaid \$2.05.

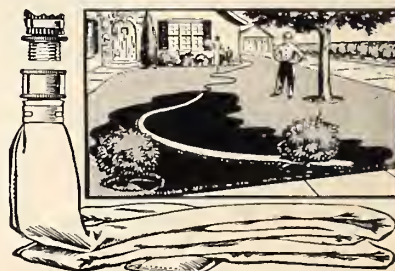


ELKAY NOZZLE 5-912

From a powerful jet to a softest mist at the tip of your finger. Precision built. Non-corrosive instant shut off. Ea., \$1.69. Postpaid \$1.85.



CANVAS SOIL SOAKER



5-968 Soil Soaker for deep soaking, the water method approved by agricultural colleges and nurseries, now available for home use. Equipped with regular hose connection for attaching to hose or pipe.

No. 0, 12 ft. \$2.10, postpaid \$2.25
No. 1, 18 ft. 2.85, postpaid 3.05
No. 2, 30 ft. 4.10, postpaid 4.30
No. 3, 50 ft. 6.50, postpaid 6.80



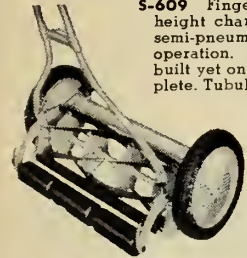
G. S. MASTER SPRAYER

5-747 This sprayer can be used for spraying all types of insecticides, flower and vegetable gardens, fruit and ornamental trees. Sprays from a fine mist to a 35 ft. spray stream. Made of 100% brass throughout. Jr. Model each, \$7.95, postpaid \$8.25.

5-746 Master Model with adjustable nozzle and 45 degree brass extension, each, \$9.95, postpaid \$10.40.

Lawn Mowers, Trimmers, Cultivators

CLEMSON LAWN MOWER E-17



S-609 Finger-tip adjustment. Cutting height changed in a second. Large semi-pneumatic wheels insuring easier operation. Full 17" cut. Ruggedly built yet only weigh 35 pounds complete. Tubular handles. Each, \$33.95. Prepaid within 600 miles for \$35.50.

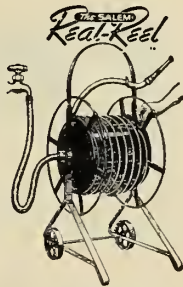
S-601 GRASS CATCHER.

Durable canvas kid hand mower catcher. Strong, durable GALVANIZED steel bottom. Square back, white drill sides. Wire frame. Complete with two non-slip hooks. Without carrying handle. 16 1/2" deep. Fits hand mowers from 12" through 18" widths. Price, each, \$2.10; postpaid, \$2.40.

Write for Price and Leaflets on Power Mowers, and Lawn Sweepers, Hand and Power.

SALEM HOSE REEL

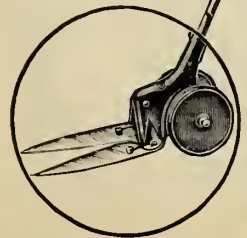
S-963 The only portable reel permitting water to run through the reeled-up hose. Equipped with 6 ft. of accessory hose and connection to attach to hydrant as illustrated. Saves time and work. The hose does not need to be removed from the reel to connect it to the water current. Made of the best steel, very durable rubber tire wheels. Will hold 150 ft. Plastic hose or 100 ft. 3/4 inch rubber hose. Price each, \$20.20, \$22.25 prepaid.



S-973 MINUTE MAN HOSE REEL. Permits water to run through reeled-up hose. Equipped with 2 ft. length hose and connection to attach to hydrant. The hose does not have to be removed from the reel to connect it to the hydrant. Holds 75 to 100 ft. plastic hose. Easy to assemble. Unreel as much hose as you need for sprinkling. Hanging bracket easily attached where you have more than one outlet. Price of reel \$7.95, postpaid \$8.30. Extra brackets ea. 75c; postpaid 85c.

DOO-KLIP GRASS SHEARS

S-1015 Long handle grass shear, does perfect trimming. Has only one handle. No extra levers to operate. The blades are



made of case hardened, rust resisting steel. Easily opened for sharpening by removing one nut. Model DK303. Price, \$4.95; postpaid, \$5.50.

S-1016 MODEL DK202. Short handle. Price each \$2.50; postpaid, \$2.75.

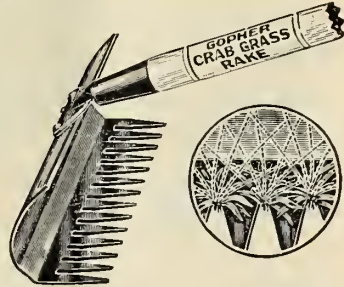
DONALDSON RACKET ROBBER FOGGER KIT

S-753 You can use your power mowers to spray the entire yard with highly effective insecticide. Fits any 4-cycle reel or rotary mower up to 2 3/4 H.P. Muffles motor noise and racket. Kills mosquitoes, flies, gnats with heavy fog. Screws on in seconds. Not harmful to humans, animals, flowers, trees, shrubs or grass. Fits Briggs-Stratton, Clinton and other single cylinder engines with 1/2" exhaust. Kit consists of 1 pint insecticide, 1 mixing valve, and 1 racket robber muffler. Model X340. Price per kit, \$6.95, postpaid \$7.25. Extra fogging insecticide for above. 1 pt. can for 79c, postpaid \$1.00; 1 gallon for \$2.98, postpaid \$4.00.



HANDY CRAB GRASS RAKE

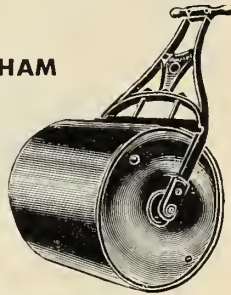
S-1013 This rake is formed so that the teeth pull flat on the sod; thus they get under the branches of the Crab Grass. Shear off the entire head of the plants and keep them from further seeding, \$2.25; postpaid \$2.75.



GENUINE DUNHAM

Water Weight Lawn Rollers with Oilite Bearings

Again we can supply this best of all lawn rollers made. By varying the quantity of water, the weight can be altered to suit the job. Empty, the roller is easy to handle. The handle for #100 is one piece tubular steel handle.



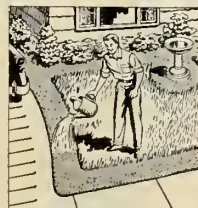
	Diam.	Lgth.	Wt.	Wt.	Price
	in.	in.	Empty	Filled	
S-605	100	14	20	30	\$10.95
S-611	2	14	24	40	16.95
S-612	4	18	24	57	19.95
S-613	7	24	24	74	28.45

USE EROSIONET

For New Lawns, Weak Lawns, and Stubborn Terraces



ance, grass and clover soon rendering it almost invisible. Can be removed when grass becomes 2 1/2 in. high. Width, 45 inches. Price per yd., 30c; 25 yd. lots, 28c per yd.; 100 yd. lots, 26c per yd.; rolls of 250 yds., 23c per yd.



lists do not yet recommend its use except in a limited way. Spray on strips not more than 12 inches wide on grass close to fences, buildings, etc. In tests, one spray in early spring kept grass low until September. Observe directions exactly. 1 1/2 oz. to treat 400 sq. ft., \$1.00; postpaid \$1.15; 4 oz., to treat 1100 sq. ft., \$2.25; postpaid \$2.40; 1 lb., to treat 4,400 sq. ft., \$6.95; postpaid \$7.20.

S-416 STOP-GRASS.

Grass on the edges of your lawn, where it is difficult to mow, can be kept low for from 4 to 5 months by a plant growth inhibitor, Maleic Hydrazide, in this compound. You have probably read about this chemical and hoped it would make lawn mowing obsolete. But scientists



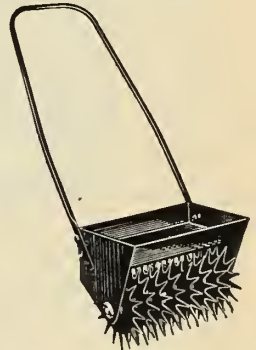
S-723 JACKSON LAWN SPRAYER. The best controlled applicator for liquid fertilizer, insecticides and weed killers. Has interlocking non-flex handle. Scientifically tested and proved to be the best applicator on the market. The only applicator with a controlled rate of flow for efficiency and economy: one gallon of liquid will cover 3000 square feet regardless of how fast the lawn sprayer is pushed. The patented Jackson applicator stops spraying automatically when movement of the sprayer ceases, thus providing a safety factor when applying concentrated chemicals. The nozzle on the 3 1/2-gallon tank is calibrated to produce a non-mist spray with a five foot spread. Built in strainer minimizes clogging. Shipping weight 24 lbs. Each, \$27.15. Prepaid for \$28.50.

LAWN & GREEN AERATOR

For sturdy grass growth aeration is essential to let air and water into the soil. Ideal for small lawns.

S-503 MODEL 8, 8 discs, each 10 inches in diameter, rolling width 16 ins. Net weight 35 lbs. Tray is provided so weight may be added. Each \$19.25. Hitch for attaching 8 cultivator to most power mowers, \$5.75.

S-504 MODEL 30, For estates, parks, etc. 19 discs, each 10 inches in diameter, rolling width 18 inches. Net weight 80 lbs. Each, \$67.00.



S-1115 ROWE'LEZY. "DeLuxe"

All Purpose Lawn & Garden Edger, Model 100. Instead of shears to clip the grass near walks, beds, borders and other edges which lawn mowers cannot reach, Rowe'l-Ezy (roll easy) will do it faster and better. One turn of the rubber tired driving wheel is equal to 16 snips with the shears in your weary hand. It works forward and backward on your left or right, and where lawn is above or below a walk. It will save you hours of the most tedious lawn task. Each, \$5.65, postpaid \$6.10.



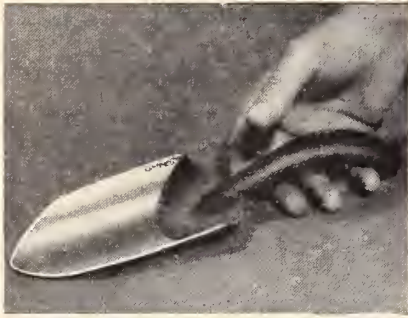
S-1115A ROWE'LEZY "Super" Edger and Trimmer. Model 200. Has two wheels. Dual wheels give extra traction and stability. Each \$6.65; postpaid \$7.10.



S-1653 TAHITIAN GARDEN TORCH MODEL 301.

A very fine and festive appearing torch for garden, barbecue, drives, beaches, etc. Burns kerosene oil for 30 hours without refilling. Black finish-made from steel. 6 foot steel post in 3 sections, 1/4" thick, 12 inch long wick. Simple to assemble. No bolts, nuts or screws. Shipping weight 8 lbs. Each \$5.95; postpaid \$6.50.

For Planting, Pruning and Protecting



NO BLISTER TROWEL

S-1141 Scientifically designed to prevent blisters. Curved handle with velvet grip fits the hand and is kind to the palm. Metal is rustproof. Each, \$1.35; postpaid, \$1.50

BORDEN TROWEL

S-1072 Slender blade of polished aluminum with sure-grip wooden handle, light weight but durable. It serves as both weeder and planter. Each \$1.00; postpaid \$1.15.



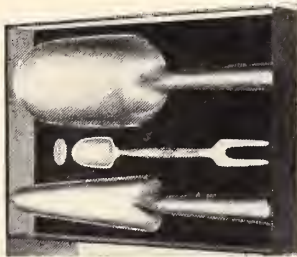
MELCO FEATHERLIGHT SET

POLISHED

S-1093

Set of 3 for \$3.95, postpaid \$4.25.

A handy Gift Kit



Made of cast aluminum as strong as steel, these tools are light as a feather, and moulded to fit your hand. They are rust-proof, and easily cleansed.



S-1178 CRAB JACK the Lever-Action Weeder. The sure way to eliminate crabgrass, Plantain, Dandelion and other lawn pests. Just insert in root crown and press down. Each .80c postpaid .95c.

GARDEN CLUB ROSE AND FLOWER HOLDER SHEAR



S-1028 Sturdily constructed of rustless, stainless cutlery steel. Each \$2.25, postpaid \$2.50



S-1033 SNAP CUT HEDGE SHEAR with Tension bar. Insures clean, easy hedge trimming. The blade tension bar provides proper tension between blade cutting edges. The shock absorber extension takes up the shock and makes it easy on wrist and arm. Has 9 inch blade. Model 154-9 each \$5.25; postpaid \$5.60.



WESTER PROFESSIONAL IMPORTED GERMAN PRUNING SHEAR

Hot forged of high carbon steel. Long lasting cutting quality. Ratchet holds lock-nut in place.

S-1058 Model 84-8 inch, each \$4.25, postpaid \$4.40.
S-1059 Model 84-9 inch, each \$4.75, postpaid \$4.95.

HENCKEL IMPORTED PRUNING SHEARS HIGHEST QUALITY



S-1048B Model A200—8 1/4 inch full polished with replaceable blades. Each, \$8.75, postpaid \$9.00.

S-1048C Model A210—9 1/4 inch, each, \$9.75, postpaid \$10.00.



IMPORTED PRUNING SHEARS

S-1071 These are of finest quality Italian steel, fully polished, with ratchet and lock-nut for tightening. Each \$1.85; postpaid \$2.00.



SEYMOUR SMITH ROCKDALE LOPPING SHEARS.

Popular, low priced but high quality pruner. Cutting parts of tool steel; hardened, ground edges. Shaped ash handles. Steel ferrules. Cuts 1 1/4" branches.

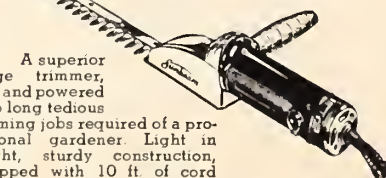
Cat. No.	Size	Model	each	postpaid
S-1128	16 in.	045	\$3.50	\$3.85
S-1128A	22 in.	45	\$3.95	\$4.30
S-1128B	30 in.	48	\$5.00	\$5.40



S-1125 SNAP CUT PRUNER. Heavy duty, full polished, \$3.25; postpaid, \$3.50.

SUNBEAM ELECTRIC HEDGE TRIMMER

S-628 A superior hedge trimmer, built and powered to do long tedious trimming jobs required of a professional gardener. Light in weight, sturdy construction equipped with 10 ft of cord and plug. Price, each, \$49.50. Extra cord 18-gauge 50 ft., \$4.50. 100 ft., \$8.00.



GREENLEE EARTH AUGER



S-1004 Especially adaptable for drilling holes for feeding fertilizer to trees and Evergreens. 2 inch diameter length 40 in. Each, \$6.00. Postpaid \$6.35.



NEW IMPROVED GREEN THUMB GLOVES

S-1019 Soft, washable for garden and house use. Ladies small, medium and large. Specify size when ordering. Price per pair, 98c; postpaid \$1.05.

S-1014 Men's size, pair 98c; postpaid \$1.05.



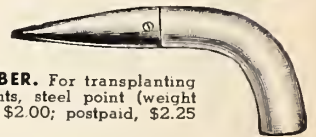
S-1042 Made of imported leather processed to make it pliable as kid and washable. Sizes for women, Small, Medium, Large, \$1.60; postpaid \$1.70; for men, Medium and Large, \$1.75; postpaid \$1.85; a pair.

HOLE-IN-ONE BULB AND PLANT SETTER

S-1068 Make a hole in one operation. Simply cut the tool into the soil, remove it with a twisting motion, and with the tool comes a plug of soil, leaving a perfectly flat bottomed hole. Small, hand tool for cultivated soil. Each, \$1.00; postpaid, \$1.15.



S-1136 DIBBER. For transplanting vegetable plants, steel point (weight 10 oz.). Each \$2.00; postpaid, \$2.25



THE JIFFY PLANTING TOOL

(A) **S-1049 THE JIFFY PLANTER**, which one can use in a standing position, is a sturdy practical addition to one's garden tools. Built to give a lifetime of service.

It is made of strong durable steel with a tubular steel "T" handle. It easily cuts a cylindrical hole up to ten inches deep depending on the pressure put on the angle foot bar. A slight twist and the tool draws out the soil leaving an ideal hole for setting of bulbs and plants, and automatically pushes the soil from the cylinder with each succeeding insertion. Bulbs and plants can be planted to correct and uniform depth without leaving air spaces as so often happens when a trowel is used. Each, \$3.25; postpaid \$3.60.



(B) **S-1050 QUICKIE PLANTER.** Made of heavy gauge steel with a hardwood handle, overall length 40 inches. It is a tapered cylinder designed to permit automatic ejection of earth, the cutting edge for easy digging, a heavy foot bar flange for comfortable operation. Takes the backache out of planting. Each \$1.98; postpaid \$2.35.

GRO-QUICK Electric Seed Bed Heater

5-1626 Soil heating cable and thermostat. Jr. package contains thermostat and 40 ft. 200 watt cable for 3x6 ft. hot bed or 20 square ft. of cold frame. Price \$6.75, postpaid \$6.90. Sr. package contains thermostat and 80 ft. 400 watt cable for 6x6 ft. hot bed or 40 square ft. of cold frame. Price \$9.00; postpaid \$9.20; Jr. cable only price \$2.25, postpaid \$2.40, Sr. cable only price \$4.50; postpaid \$4.65.

THERMOMETERS



5-1638 HOTBED. All glass, each, \$2.25; postpaid \$2.50.

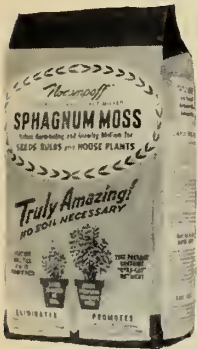
SPHAGNUM MOSS

5-1923 NODAMPOFF SPHAGNUM MOSS.

Sphagnum moss is a sterile material containing antibiotic qualities. Fungi and bacteria cannot live in it. By sowing seed in a thin layer of this moss spread over the soil in the pot or flat, damping off is prevented. Cuttings rooted in sphagnum are easily transported and transplanted without disturbing their roots. This moss is horticultural grade, milled ready for use. Package, 89c; postpaid \$1.05. 2 bushel bag for \$3.75; postpaid \$4.35.

5-1807 Coarse Sphagnum Moss in burlapped bales.

Ea., \$4.50 via express collect.



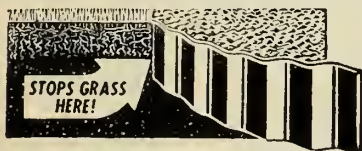
Plastic - seeds visible as sown - go twice as far. Saves thinning - for peas to petunias.

5-1627 Postpaid, 60c.

GRAFTING WAX

5-212 Has many uses unexcelled for use in painting cuts, and bruises, and after trimming also for grafting and budding. 1/4 lb. bar 45c, postpaid 50c; 1/2 lb. bar, 60c, postpaid 70c; 1 lb. bar, 90c, postpaid \$1.10.

INVISIBLE IRON CURTAIN KEEPS GRASS WHERE YOU WANT IT



5-1568 NO-SEE GRASS BARRIER. The line where the lawn ends and the garden border or path begins always poses difficult problems. The grass invades the border, and the edging plants encroach in the lawn and path making it difficult to keep things trim. No-See Grass Barrier consists of corrugated galvanized steel strips 4 inches deep which fit together and are driven down to soil level. This makes a clean division for the border, walk, or crushed stone and gravel driveway. Mow right over it. Package of 20—2 ft sections, for \$4.98; postpaid to 3rd zone only, \$5.45. Weight per pkg. 12 lbs.

5-1588 NO-SEE GRASS BARRIER. 40 foot connected coil. Disconnects every 2 feet. Package of 40 feet for \$4.98; postpaid \$5.45 to 3rd zone. Weight per package, 12 lbs.

5418 MAGIC STUMP

REMOVER. All you do is pour "Magic" Stump Remover—a new, quick-acting chemical compound—into hole drilled in center of stump. Wood fibres soon decompose all way to root tips, making removal easy... even for women and youngsters! 8-oz. Can (enough for one stump)—\$1.50; postpaid \$1.65. 16-oz.—\$2.50; postpaid \$2.75. 3 lbs. \$5.00; postpaid \$5.40.



Satisfaction
Guaranteed!

HOTKAPS



Start your Garden Earlier
this year—with HOTKAPS

5-1618 HOTKAPS. Completely protects plant from frost, storms, wind, sun and insects. A sturdy little "greenhouse" made of glastex paper. Gain as much as 3 weeks in ripening crops. Increase yields.

HOME GARDEN PACKAGE WITH SETTER for 95c; postpaid \$1.15.

CARTON OF 100 HOTKAPS WITH FIBREBOARD SETTER for \$3.90, postpaid \$4.35.

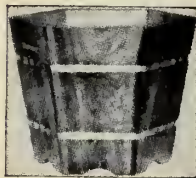
CARTON OF 250 HOTKAPS WITH FIBREBOARD SETTER for \$7.15; postpaid \$7.95.

CASE OF 1000 HOTKAPS for \$19.75; express collect.

STEEL HOTKAP SETTERS ea \$1.95; postpaid \$2.35.

Fibreboard Setter ea 20c; postpaid 25c.

BEAUTIFUL CALIFORNIA PLANTUBS MADE OF REDWOOD



5-1432 For utility and beauty in any garden, impregnated with linseed oil to preserve natural beauty of wood. Rounded top and bottom edges to prevent splintering. Made of well seasoned California redwood. Bound with brass bands. Ventilation under tub. All tubs octagonal design. 10" & 12 inch available; all other sizes via express collect.

Model	Inside Diameter	Inside Height	Weight lbs.	Each
010	10 in.	8 in.	4	\$3.65; postpaid \$4.10
012	12 in.	9 in.	5	4.50; postpaid 5.10
014	14 in.	11 in.	8	6.00
016	16 in.	13 in.	12	7.50
018	18 in.	15 in.	14	8.60
020	20 in.	17 in.	16	10.75

FLOWER TUBS "RICHMOND STYLE," GREEN

5-1433 Made of the finest lumber, securely bound with welded wire hoops. Painted green.

Top Dia.	Depth Inside	Price Each	Postpaid
7 in.	6 in.	\$1.85	\$2.25
8 in.	8 in.	2.00	2.50
10 in.	9 in.	2.45	2.95
12 in.	11 in.	3.50	3.95
14 in.	13 in.	5.45	5.95
16 in.	15 in.	6.45	7.10



MOIST-SHUR PLANTRAY

5-1434

Green Rubber unbreakable saucers. Has an absorbent center pad which feeds water back to the roots of the plant. Underside of tray is raised to provide ventilation.



No. 1, takes up to 6 inch pot, price each, 50c; per dozen, \$4.50. Postpaid \$4.70.

No. 2, takes up to 8 inch pot, price each, 85c; per dozen, \$9.00. Postpaid \$9.30.

No. 3, takes up to 12 inch pot, price each, \$1.60; per dozen, \$16.80. Postpaid \$17.40.

No. 4, for ferns and palms, each \$3.00, postpaid \$3.15.

No. 5, takes up to a 14 inch wood tub, each \$4.50, postpaid \$4.75.

SEED FLATS FOR HOME GARDENERS



5-1629 The size required for a practical seed flat is combined with lightweight and economy in this sturdy water-proof and durable flat of thick, moulded, impregnated fibre board. Do not confuse it with the too-small, flimsy type which may have disappointed you. Measuring 10 x 12 inches, it is 2 3/4 inches deep, adequate for plant bands. It weighs 4 ounces empty, is easy to handle when full of soil, and will last unimpaired through the growing season. It comes to you clean, free from insects and disease, and ready to use. Price per carton of 10 flats \$2.75, postpaid \$3.25.

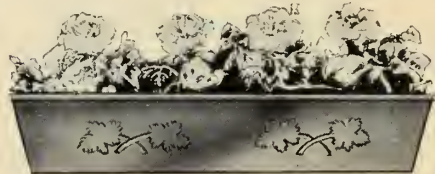
PLASTIC PLANT TRAYS PERMA-NEST



For home growers. Made of thick polystyrene. They are easy carrying, lightweight but sturdy. One tray will outlast 10 wood seed flats. Controlled drainage—drill out drain embossments as desired. Ideal for starting flowering plants and vegetables, indoors. Sold in original cartons only.

5-1442, 12 x 8 x 2 3/4, per carton of 12, for \$7.08; postpaid \$7.50.

5-1443, 22 x 11 x 2 3/4, per carton of 6, for \$11.88; postpaid, \$12.50.



De Luxe Flower and Plant Boxes

5-1436 All steel, leakproof. Finished in pastel green, 7 1/2 inches wide, 5 inches deep. Features built-in drainage plate. Rolled edge makes it sturdy.

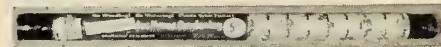
18 inch.....	each, \$1.50, postpaid \$1.75
24 inch.....	each, \$1.75, postpaid \$2.00
30 inch.....	each, \$2.00, postpaid \$2.35
36 inch.....	each, \$2.50, postpaid \$2.90



5-1402 BO-KAY FIBER GLASS FLOWER BOXES.

Molded of Fiber Glass Reinforced Plastic. Guaranteed against leaking, are corrosion proof. Will outlast steel and wooden boxes. No painting is required nor is the surface finish subject to unsightly scratches. Comes in three colors: Dark Green, Brick red, and White. 18 inch each \$2.70, postpaid \$3.00; 24 inch each \$3.15, postpaid \$3.50; 30 inch each \$3.55, postpaid \$3.95; 36 inch, ea. \$3.98, postpaid \$4.60.

KORDIMULCH



5-1930 Kordimulch is a tough, long lasting polyethylene film containing Polium specially formulated for gardening. Colored to look like rich soil. Kordimulch is carefully perforated to permit water to reach the soil. Simple and easy to apply. Spread over soil, and hold in place with small scoops of dirt along the edges. Stops weeds from growing. Saves up to 50% more water—holds water in soil. Absorbs sunlight—raises soil temperature to make seeds germinate faster. It is safe—non-toxic. Roll contains 104 lineal ft. 40 inches wide. Price per roll \$5.95; postpaid \$6.40.



5-1911 SIEVES. For sifting soil. 18 inches in diameter, sizes 1/4, 3/8, 1/2, and 3/4 inch. Specify size when ordering. Each, \$4.25. Postpaid, \$4.60.

BURN WEEDS AND PESTS

Flame Shooter Gun

5-745 General utility torch indispensable on the farm, garden, barn, etc., handy for cleaning out irrigation ditches, removing weeds and destroying insect pests. 4 gal heavy all-welded (not riveted or soldered) corrugated fuel and air tank tested to 60 lbs.; burns kerosene, range oil, stove or light furnace oil. Price complete, \$36.75 (weight, 15 lbs.).

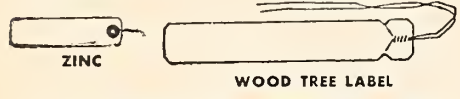


5-1508 WOOD POT LABELS PAINTED.

4-inch by 1/4-inch wide, 100, \$1.00, postpaid \$1.15; 1000, \$5.50, postpaid \$5.80; 6-inch by 1/4-inch wide, 100, \$1.25, postpaid \$1.40; 1000, \$6.50, postpaid \$6.85; 8 in. by 1/4-inch wide, 500 for \$4.75;

5-1510 12 inch by 1 1/4 inch wide. 100, \$2.75, postpaid \$3.00; 1000, \$25.00 via express collect.

5-1541 WOOD TREE LABELS, COPPER WIRED. 3 1/2 in. 100 for \$1.20, postpaid \$1.35; 1000, \$6.60, postpaid \$6.95.



5-1515 LABELS. Zinc, Tree. Wired 3 1/4 inches long 3/4 inch wide. Price, pkg. of 25 for 85c; 100 for \$2.60, postpaid, \$2.75.

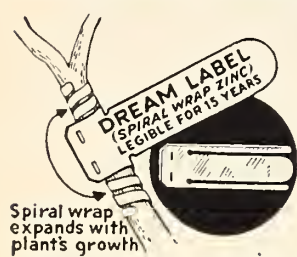


5-1512 They can be tied around twig or limb with one loop. Made of soft zinc, should last permanently. Price, per 100, \$1.50, postpaid \$1.60; 500 for \$7.00, postpaid \$7.25.



5-1563 PERMATAG ALUMINUM MARKERS. Rust-proof; always legible. Price per package of 24 labels for 25c, postpaid, 30c.

DREAM SPIRAL WRAP ZINC LABELS



5-1505 The one and only permanent zinc metal label defying the elements. Size 1 1/2" x 4". Acid etched name and plant history (especially Roses, Azaleas, Shrubs, Trees, etc.) legible for 15 yrs. No chance of girdling. Wonderful for pots and perennial beds. Never rusts.

"Kit" size (average garden size) contains 24 Labels, with ample Etchant ink and applicator @ 95c ea.; postpaid \$1.15.

"50 UNIT" size (for 50' x 100' premises) contains 50 Labels, 1 oz. Etchant and applicator @ \$1.60 ea.; postpaid \$1.75.

"100 UNIT" size contains 100 Labels but NO Etchant or applicator @ \$2.50 ea.; postpaid \$2.75.

"1000 UNIT" size for Estates, Orchards, Parks, and Cemeteries with 5 oz. bottle of Etchant and applicator @ \$21.00 ea. via express.

TWISTEMS

5-1544 New handy plant tie. A twist of the wrist and a plant is tied. They are dark green so they blend with the foliage. No twine, raffia or shears needed. Handy for tying tomatoes, peonies, dahlias, etc. 8-in. size, package of 100 for 29c, postpaid, 35c. 16-in. size, pkg. of 100 for 57c; postpaid, 65c. 250 ft. continuous roll, each \$1.00; postpaid, \$1.15.

5-1511 MARK IT PLANT MARKERS. For Flower and Vegetable Gardens, Rock Gardens etc. Made of molded-durable plastic. Attractive grey-green color. 5 inches high and 2 square inches of writing space. Ordinary lead pencil writing will last for years. Anchors prevent labels from turning. Package of 25 labels for \$1.50, postpaid \$1.60. Package of 100 labels for \$5.00, postpaid for \$5.35.

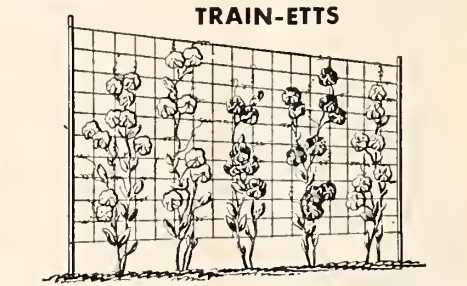


5-1548 NEW SEEDMARC GARDENMARKER. Made of plastic in yellow and white. Five of each color to a package including marking pencil 8 3/4 inches long. The ideal marker for garden, flower bed, seed box, etc. Per package of 10 labels, 49c; postpaid 65c.



Adjusto Plant Support

5-1501 Has a unique self-locking adjustable feature causing the loop to positively stay where put, yet it can be instantly adjusted to any height desired. The heavy green painted wood stake 3/4 inch square will stand firmly in the ground. The hoop is of 7 gauge galvanized wire, 13 inches in diameter. Effectively used on every flowering bush, shrub, or plant you own. Invaluable for peonies, delphiniums, dahlias, asters, roses, sunflowers, golden-glow, tomatoes, and such small fruit as raspberries, blackberries, etc. 3 ft., doz., \$4.95; 4 ft., doz., \$5.60; 5 ft., doz., \$6.20; extra wire hoops, doz., \$2.50, via express collect.



5-1437 New weatherized trellis netting. Ideal support for Sweet Peas, Morning Glories or any of the light climbing vines. Made in three sizes. Model F-24, 5x6 ft. each 75c; postpaid, 85c. Model F-25, 5x8 ft. each 95c, postpaid, \$1.05. Model F-26, 5x15 ft. each \$1.35; postpaid, \$1.45.

STAKES

5-1539 STAKES—HEAVY TONKIN. Natural Color. Heavy weight bamboo, entire stake same weight; do not taper. Ideal for roses, dahlias, young trees, etc.

Length	Diameter	F.O.B. N.Y.		F.O.B. Chicago	
		Doz.	100	Doz.	100
4 ft.	1/2 to 3/4 inch	\$1.75	\$9.50	\$2.00	\$10.00
5 ft.	1/2 to 3/4 inch	2.20	12.25	2.50	13.00
6 ft.	1/2 to 3/4 inch	2.50	14.00	2.75	15.00
7 ft.	1/2 to 3/4 inch	3.50	20.00	3.50	20.00

5-1561 ROUND HEAVY WOOD STAKES. Painted Green for Dahlias etc. Per doz. Per 100

3 ft.	\$3.25	\$22.90
4 ft.	4.00	29.40
5 ft.	4.95	36.75
6 ft.	6.10	45.00

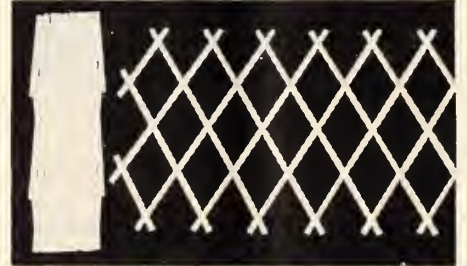
5-1562 ROUND LIGHT WOOD STAKES (for smaller plants). Painted green.

Length	Doz.		100		
	100	1000	Doz.	100	
1 1/2 ft.	\$0.80	\$ 4.95	3 1/2 ft.	\$2.50	\$16.40
2 ft.	1.10	7.85	4 ft.	2.95	19.20
2 1/2 ft.	1.50	11.75	5 ft.	3.50	24.75
3 ft.	1.80	13.50			

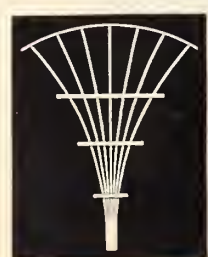
5-1502 STAKES—BAMBOO. Painted Green.

Length	100		1000		
	100	1000	100	1000	
1 1/2 ft.	\$1.35	\$6.50	3 ft.	\$1.95	\$12.25
2 ft.	1.50	8.50	3 1/2 ft.	2.35	14.25
2 1/2 ft.	1.75	9.95	4 ft.	2.50	15.95

Bamboo not painted, 6 ft. 3.25 27.50



5-1506 EXTENSION TRELLIS OR FENCE, painted white. Stretches and contracts, it is inexpensive. Has many uses for trellis or fencing. Bends easily around corners, and folds when not in use. No. 22-8, can be expanded from 3 to 9 ft. long, from 15 to 29 in. high, weight, 3 1/2 lbs., each \$3.50. Postpaid \$3.85. No. 30-10 can be expanded from 3 to 14 ft. long, from 15 to 39 in. high, weight 4 1/2 lbs., each \$4.15. Postpaid \$4.65. No. 44-12 can be expanded from 3 to 16 1/2 ft. long, from 15 to 59 in. high, weight 8 lbs., each \$7.75 via express only.



Ornamental Lawn Fans

Most popular and inexpensive. Are most substantially built. Made of red wood and painted white.

5-1513 Model 360—Height, 72 in. Spread, 44 in. Price, each, \$2.35.

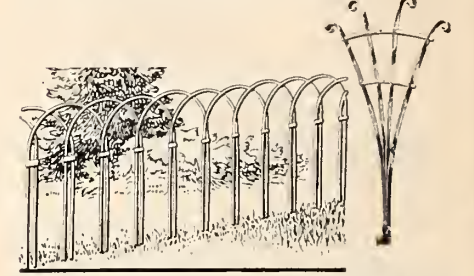
5-1514 Model 389—Height, 89 in. Spread, 54 in. Price, each, \$3.00.

Too large for mailing, express only.

Wayward Vine Guide and Support

5-1547 For Training and Supporting Ivy, Small Fruiting Trees and all other Vines, etc. on Brick, Stucco, Stone and Cement Walls without Defacing. No Nails—No Holes. Price, box of 20, including cement, \$1.00; postpaid, \$1.15.

5-1583 TRELL-Lock ALUMINUM TRELLIS. Looks new forever without maintenance. Can't rust, rot, fade or sag. Not affected by weather. Never needs painting. Ornamental but durable. Shipped KD. 3 ft. and 5 ft. available. 6 1/2 ft. shipped via express. 3 ft. with one cross bar, each \$2.98; postpaid \$3.25. 5 ft. with 2 cross bars, each \$3.98, postpaid \$4.35. 6 1/2 ft. with 3 cross bars, each \$4.98 by Exp.



5-1578 BILD-A-FENCE SENIOR FENCING. The modern fencing for protecting shrubbery, bordering walks, and beautifying flower gardens. Of process hardened steel, sealed inside a heavy layer of indestructible plastic, will give years of service. Never needs painting, also rustproof. Slip-on plastic lock-links lock the units together to form a sturdy fence. Colors white or green. Height 21 inches. Width 12 inches. Price per carton of 12, \$2.98; postpaid \$3.30.

PROTECTION FENCE RODS

5-1525 Stiff hardened 1/2" dia. Steel Rods green enameled with two "eyes" to support two rows of clothes line, heavy twine, or wire. Handy and safe protection to lawns, trees, shrubs, and gardens against humans and pets. 33" (overall) size @ \$2.60 per dozen, postpaid \$2.95. 48" (overall) size @ \$3.25 per dozen, postpaid \$3.75.

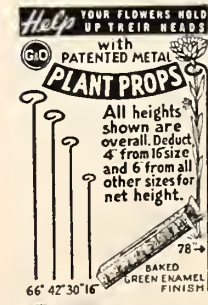


SHRUB-GARD

5-1530 Protects your shrubbery from the menace of destructive corrosive action caused by dogs. Makes the dog's visit so uncomfortable that he keeps away, yet it is so constructed that it will not harm the dog. The Shrub-Gard is a unit of steel spring wires that are flexible. Each Shrub-Gard has three prongs and covers approximately two and one half lineal feet. Price per carton of dozen, \$4.00; postpaid, \$4.30.

PLANT PROPS

Process stiff steel of varying thickness to suit a surplus of weight. Termite and rot proof. Almost invisible blending with plant. 66 inch and 78 inch via express.



5-1522 16" size stuck into ground 2 1/2" for tulips, Hyacinths, Crocuses and other dwarf plants. Dozen for 80c; postpaid 95c. 30" size (4" into ground) for Zinnias, Marigolds, Roses, etc.—dozen for \$1.85, postpaid \$2.15.

42" size (5" into ground) for "Snaps," Delphiniums, Asters, Larkspur, Madonna lilies, etc. dozen for \$2.20; postpaid \$2.50.

66" size (6" into ground) for Giant Delphiniums, "Glads," Mums, etc. dozen for \$3.60.

78" size (7" into ground) for Dahlias, Hollyhocks, Rose Trees. Dozen for \$5.40.



5-1587 YORK GARDEN MARKING PEN with weatherproof ink plus 24 wooden stakes easily made into 48 labels including a generous supply of copper wire. Perfect for all plant identification. Price per package of 48 labels with pen for \$1.29; postpaid \$1.45.

WREN HOUSE No. 16



5-1720 This time tested stepkut house is designed to meet the needs of birds, the steps help nestlings to reach the exit, bottom removable for cleaning. Price, stained brown, each, \$2.60; postpaid, \$2.85.

5-1706 BLUE BIRD HOUSE No. 5. Stained brown. Size

8x6x8 inches. \$1.85; postpaid \$2.10.

MARTIN HOUSE

5-1716 MODEL X215

Twenty compartment house, two stories high, unpainted, \$25.20; painted two coats in white and green, \$32.50.

5-1716A MODEL No. X315. Twenty-eight compartment house, three stories high, unpainted, \$29.70. Painted two coats white and green, \$34.50. Crating charge \$1.50 extra on Martin houses.

5-1722 Erection pole, 4 x 4 in. x 14 ft.; ground posts 4 x 4 in. x 6 ft. weight 100 lbs. each, \$19.00 via motor express.

No. FS 21. Garden Craft Feeding Station

This is one of the most successful and appreciated bird feeders. It is equipped with a spindle for mounting, and the double weather vane keeps the sheltered end headed into the wind, thus keeping the food dry in rainy or snowy weather.

5-1711 Size 24x12x12. Shipping weight 16 lbs. Price stained brown with wood back \$ 9.50

5-1712 Price stained brown with glass back 12.85

5-1710 8 ft. Erection Post bored for mounting. 3.50

Above sent by express collect.



5-1723 No. 13G

Feeding Station Base 7 1/2 x 12 in. Height 9 1/2 in. Made of clear California Redwood, fitted with brass hardware and screws. Suet cakes can be set in the ends of this station. Shipping weight 5 lbs. Price each \$3.60, postpaid \$3.95.



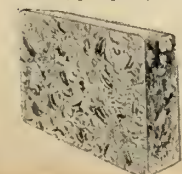
5-1717 ROBIN ROOST No. 4

Robins will not occupy a nesting box, but insist on a covered sheltered shelf which allows them to see on at least three sides. Stained brown—each \$2.85; postpaid \$3.10.

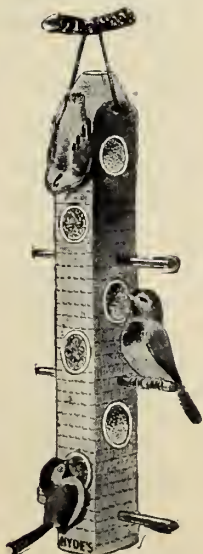
NEW COMMUNITY DINER. Aerial Picnic Grounds for clinging and perching birds.

5-1714 Model CD58 filled with 12 extra tidbits each, \$2.10; postpaid, \$2.35.

5-1713 CT24, containing 24 extra tidbits, each, \$1.35; postpaid, \$1.60.



5-1721 BIRD SNACKS. Model SS1. Mixture of peanut hearts, seeds, berries, whole grain and pure heavy beef suet. Three for \$1.00; postpaid \$1.20.

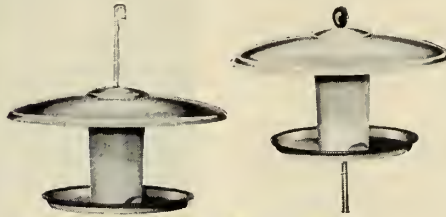


No. FS 10. Garden Craft Bird Feeder

5-1703 This cleverly constructed feeder will provide endless pleasure and satisfaction for bird lovers. You will be more than repaid for your generosity in providing food for your feathered friends during the early spring, late fall and winter by their appreciation. Size 8x3x10 in. Shipping weight, 3 lbs. Price, \$2.80; postpaid, \$3.10.

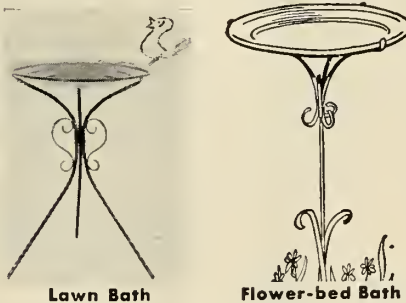


5-1709 8 ft. Erection pole with arm \$2.00. (Not Mailable.)



5-1732 COLMET WILD BIRD FEEDER. Stake type. Rests on five-foot four piece steel stake. Designed with the birds in mind. Constructed from heavy steel and finished with weather resistant baked enamel. Holds approximately 2 lbs. seed. Feeders are filled by raising cover. Two-tone Color old rose and jet black. Packed individually each \$6.25; postpaid \$6.75.

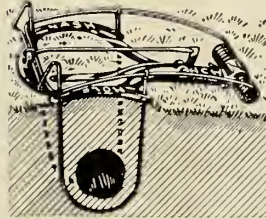
5-1733 COLMET WILD BIRD FEEDER. Hanging type. Same as above except without stake. each \$3.75 postpaid \$4.15.



For both decorative and practical value these light-weight portable metal baths are ideal for both your garden and the birds. You can set them up wherever the birds prefer. When winter comes there is no danger of breakage, and they take a minimum of storage space. Easy to assemble. No bolts, nuts or screws.

5-1701A LAWN BATH MODEL 12. Porcelain enameled bowl 20 1/2 x 2 1/2 in. deep, stands 29 inches high. Bowl locks in. Wind will not blow it out. Tubular steel legs. Weight 9 pounds. Each \$7.45; postpaid \$7.95.

5-1701 FLOWER-BED BATH MODEL 11. Porcelain enameled bowl 16 1/2 x 2 in. deep, stands 28 inches high. Green ornamental iron base. Weight 6 1/2 lbs. Each \$4.75, postpaid \$5.25.



5-1108 NASH CHOKER-LOOP MOLE TRAP. This trap catches the mole in all kinds of ground. Price, each, \$3.25, postpaid \$3.50.

FLYING DISK

SCARE Birds and Animals Away

Amazing protection for newly planted seeds, berries, tender seedlings, fruit trees, etc. Made of shining aluminum, FLYING DISKS spin and whirl madly in all directions—give blinding reflections and weird jingling, crackling sounds—to scare birds and animals away. Easily strung across area to be protected—or from branches of fruit trees and vines.

10 FLYING DISKS with complete instructions 35c; postpaid 45c

PEST EXTERMINATORS



5-237 MOUSE-NOTS. Impregnated seed bait kills mice. Trial size package, 10 Nots, 35c, postpaid 45c; Package of 50 Nots, \$1.00, postpaid \$1.15.

5-284 RAT-NOTS. New Improved Pelletized Rat killer. Safe way to exterminate rats. Prepared Bait, containing Squill. Can be used without fear of harming humans, dogs, livestock etc. Trial size package of 10 Nots, 35c, postpaid 40c; Package of 50 Nots for \$1.25, postpaid \$1.40.

5-235 MOLE-NOTS. Lifesavers for lawns, flower and seed beds. Trial size, 8 Nots, 35c, postpaid 45c; 50 Nots, \$1.00, postpaid \$1.15; 110 Nots, \$2.00 postpaid \$2.20; 450 Nots for \$5.00; postpaid \$5.50.

5-116 ANT-X-TRAP. Death to Ants in the house or garden. This safety type container carries a multi bait attractive to both the sweet and grease eating Price, 25c, postpaid 30c. Six for \$1.25, postpaid \$1.50

5-165 DOG-CHECK. The ideal repellent as a means of checking doggie habits. Safe and harmless to use. New formula will permit spraying on new growth.



Unaffected by rain, one spraying lasts from two to three weeks. 3-oz. size, 60c, postpaid 70c; 8-oz. size, \$1.00, postpaid \$1.15.

5-165A DOG-CHECK AEROSOL BOMB. Contains 12 oz. The guaranteed dog and cat repellent. Easy to apply. Each \$1.49; postpaid \$1.70.

G&O Rabbit Repellent

5-208 With safety to all including the rabbits. This 200 mesh fine snuff-like product is impregnated with rain resistant repelling "naturals" to make it last. 5 lb. package will treat 100 to 150 individual plants or 200 to 250 running feet of plant row. Price 1 lb. pkg. 50c, postpaid 75c; 5 lb. bag \$1.75, postpaid \$2.25.

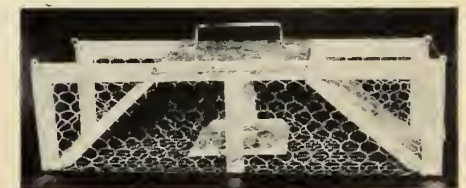


5-249 NIBONEX-NO-NIBIL RABBIT REPELLENT. A formulated chemical material that repels by taste and therefore has an active repellency over a longer period than odor repellents. Can be applied as dust from sifter-top can, or mixed with water and sprayed on plants... 6-ounce can will make 2 1/2 gallons of sprayer solution when mixed with water. Harmless to rabbits and plants. 6 ounces effectively treats 300 feet row crop. 6 oz. can for \$1.00; postpaid \$1.20.



5-286 GOPHER GASSERS, QUICK DEATH TO MOLES, GROUND SQUIRRELS, RATS. Woodchucks and many other destructive burrowing animals. Easy and safe to use—simply light fuse and insert cartridge into holes and runways. TOXIC GASES kill rodents by suffocation and poisoning. Use 1 cartridge every 10 to 15 feet. Price, package of 6 cartridges for \$1.00; postpaid \$1.10.

HAVAHART ANIMAL TRAPS



5-1045 No. 1—5x5x18 in. For weasels, rats and chipmunks, each, \$4.85; postpaid, \$5.20. No. 2—7x7x24 in. For muskrats, mink, squirrels and rabbits, each, \$5.95; postpaid, \$6.50.

Lawn Seed, Fancy Grasses and Field Seed

For other Lawn Seed Mixtures, See Page 2. All Prices Prepaid, Except where Specifically Noted.
On Parcel Post C. O. D. Orders there is a postal charge for C. O. D. delivery.

VAUGHAN'S SPECIAL PURPOSE MIXTURES

We recommend our lawn mixtures, composed of suitable varieties of grass seed, because results are more satisfactory from a correct combination of grasses than from a variety sown alone. Our grass seed division has long been known as an authority on growing fine turf, and for the guidance of our customers we send our booklet on lawn-making upon request and without charge. A copy of this booklet is enclosed in every cartan and bag of Vaughan's lawn seed mixtures.

For Your Protection—Always remember that we neither buy nor sell seeds that are not tested in our own officially recognized laboratory for purity, germination, identity and freedom from weeds.

VAUGHAN'S "COLUMBIAN"

Formula for Shady Lawns or Sandy Soil

In making a lawn on sandy soil or in partial shade, conditions are met which require the use of a special grass seed blend. Vaughan's "Columbian" is the correct blend for such locations.

Price, 1 lb., \$1.20; 3 lbs., \$3.55; 5 lbs., \$5.85; 10 lbs., \$11.50; 25 lbs., \$28.25; 50 lbs., \$55.50; 100 lbs., \$109.00.

VAUGHAN'S DENSE SHADE FORMULA

An exceptional formula which is particularly adapted to heavily shaded areas and will also do well in lighter shade. We have spared no care or expense to make this lawn seed the best obtainable for the purpose. Does not contain clover.

Price, 1 lb., \$1.20; 3 lbs., \$3.55; 5 lbs., \$5.85; 10 lbs., \$11.50; 25 lbs., \$28.25; 50 lbs., \$55.50; 100 lbs., \$109.00.

VAUGHAN'S EXCEL MIXTURE

An economy blend for new seedings and quick results which should be followed by reseeding with a more permanent blend like our "Parks." In spite of its low price, this blend does not contain timothy. Sow at the rate of 1 lb. to every 200 sq. ft. Begin cutting when grass is 3 to 4 inches high and continue to cut regularly to keep turf fine. Price, 1 lb., \$.80; 3 lbs., \$2.35; 5 lbs., \$3.85; 10 lbs., \$7.50; 25 lbs., \$18.35; 50 lbs., \$35.50; 100 lbs., \$69.00.

Quantity to Use—On new lawns, use 1 lb. for every 300 square feet; 5 lbs. for 1500 square feet; 135 to 150 lbs. for one acre. To replenish lawns where turf is thin, use half quantity.



BENT LAWNS FROM CERTIFIED SEED

Ask for Our Bent Leaflet

Bent grasses are increasingly popular for lawns, especially in cities where lawns are small in area and extra care is not burdensome.

Seed at the rate of 3 to 4 lbs. per 1,000 sq. ft.

ASTORIA BENT. Astoria Bent is identified by its numerous rootstocks which spread underground and throw up new shoots, making a very thick turf, and by the presence of runners above ground in the early stages of development. This Bent has a good color and is excellent as both a lawn and putting green grass. It does not require as much cutting as Creeping Bent.

SEASIDE BENT. This is a true unmixed Creeping Bent grass seed which spreads by surface runners instead of by the underground root stalks which characterize the Astoria Bent.

Our Bent Leaflet Is Included in Each Bag

ASTORIA BENT GRASS. 1/2 lb., \$.75; 1 lb., \$1.25; 2 lbs., \$2.50; 3 lbs., \$3.70; 5 lbs., \$6.00; 10 lbs., \$11.75; 15 lbs., \$17.25; 20 lbs., \$22.60; 25 lbs., \$27.50.

SEASIDE CREEPING BENT GRASS. 1/2 lb., \$1.25; 1 lb., \$2.25; 2 lbs., \$4.50; 3 lbs., \$6.70; 5 lbs., \$11.00; 10 lbs., \$21.75; 15 lbs., \$32.25; 20 lbs., \$42.60; 25 lbs., \$52.50.

Fancy Kentucky Blue Grass

Kentucky Blue Grass (Poapratensis)

EXTRA HEAVY SUN-CURED SEED—Specially re-cleaned. 1 lb., \$1.35; 3 lbs., \$4.00; 5 lbs., \$6.60; 10 lbs., \$13.00; 15 lbs., \$19.40; 25 lbs., \$32.00; 50 lbs., \$62.00.

RED TOP GRASS (Agrostis alba)

EXTRA FANCY, re-cleaned solid seed. Price, 1 lb., \$1.00; 3 lbs., \$2.95; 5 lbs., \$4.85; 10 lbs., \$9.50; 25 lbs., \$23.25; 50 lbs., \$46.00.

WHITE CLOVER

EXTRA FANCY SEED. Price, 1/2 lb., \$.60; 1 lb., \$1.00; 2 lbs., \$2.00; 3 lbs., \$2.95; 5 lbs., \$4.85; 10 lbs., \$9.50; 25 lbs., \$23.25.

VAUGHAN'S FORMULA Z KILLS ALL LAWNS FUNGI

S-304 When lawns turn brown, turf researchers now agree that fungus diseases often are responsible. Five different types of these parasitic organisms are known to attack lawn grass. Prevents and controls BROWN PATCH, DOLLAR SPOT, COPPER SPOT, RED THREAD (PINK PATCH) AND LEAF BLIGHTS, such as incited by Helminthosporium and Curvularia. Formula Z is a "broad spectrum" fungicide, a mixture deadly not merely to one fungus, but which kills them all. Whatever type is disfiguring your lawn, Formula Z will prevent its spores from developing, and kill all parasites that have developed.

Formula Z contains urea, which stimulates this new growth. Its dark green coloring improves the appearance of the grass during its recovery from the attack. Protective spraying with Formula Z prevents fungi from getting a start. 8 oz. treats 2,000 to 4,000 sq. ft., \$3.45, postpaid \$3.75; 5 lbs., \$24.50; postpaid \$24.95.

Fescues

CHEWINGS FESCUE. This grass is valuable on sandy soils and in shade. Chewing's Fescue is a perennial with a fine blade and a spreading root system. Sow either Spring or Fall (last week in August or the first week in September) at the rate of 5 lbs. to 1,000 sq. ft. Price, 1 lb., \$1.00; 3 lbs., \$2.95; 5 lbs., \$4.85; 10 lbs., \$9.50; 25 lbs., \$23.25; 50 lbs., \$46.00.

PENN LAWN CREEPING RED FESCUE—Latest improvement in grasses bred for drought tolerance, disease resistance. 1 lb., \$1.50; 3 lbs., \$4.45; 5 lbs., \$7.35; 10 lbs., \$14.50; 25 lbs., \$35.00.

CREEPING RED FESCUE. One of the best fescues obtainable, it spreads from the roots, making a dense turf which tends to crowd out weeds. Does well in shade and is good on sandy soil. Price, 1 lb., \$1.00; 3 lbs., \$2.95; 5 lbs., \$4.85; 10 lbs., \$9.50; 25 lbs., \$23.25; 50 lbs., \$46.00.

ALTA FESCUE. This recent development has a very deep root system and is drought resistant. It stands up under traffic and though coarse is excellent for athletic fields, airports, roadides, playgrounds and lawns where there is heavy traffic. 1 lb., 50c; 5 lbs., \$2.35; 10 lbs., \$4.50; 25 lbs., \$10.00.

POA TRIVIALIS (Rough Blue Grass)

A grass for moist, shady spots, 1 lb., \$1.00; 3 lbs., \$2.95; 5 lbs., \$4.85; 10 lbs., \$9.50; 25 lbs., \$23.25; 50 lbs., \$46.00.

Miscellaneous

TIMOTHY (PHEUM PRATENSE). Most popular of all hay grasses. Vaughan's Fancy seed (99.5% pure or better). Price, 1 lb., 50c; 3 lbs., \$1.45; 5 lbs., \$2.35; 10 lbs., \$4.50; 25 lbs., \$10.00; 50 lbs., \$17.50.

Let us help you solve your lawn problems. Advice gladly given on handling fertilizer problems, and combating insect and disease attacks. Write for free booklet on Lawn Care.

All Grasses and Field Seed Prices are Subject to Change Without Notice.

Rye Grasses

Use all rye grasses at the rate of 30 to 40 lbs. per acre for pastures and 5 to 7 lbs. per 1000 sq. ft. for lawns. Sow either fall or spring.

ENGLISH OR PERENNIAL RYE GRASS (LOLIUM PERENNE). A lawn grass where quick results are wanted. Price, 1 lb., 35c; 3 lbs., \$1.00; 5 lbs., \$1.50; 10 lbs., \$2.75; 15 lbs., \$4.00; 25 lbs., \$6.25; 50 lbs., \$12.00; 100 lbs., \$22.00.

COMMON RYE GRASS. The Italian type of rye grass, grown in this country. An annual, generally lasting a second year. Develops rapidly. Used in the south for Winter lawn grass. Sow in October in the south, preferably Spring in the north. Price, 1 lb., 30c; 3 lbs., 85c; 5 lbs., \$1.35; 10 lbs., \$2.50; 15 lbs., \$3.65; 25 lbs., \$5.75; 50 lbs., \$10.00; 100 lbs., \$18.00.

BIRD SEED

RAPE. Large—sweet (not bitter like the small black). 1 lb., 40c; 5 lbs., \$1.70; 10 lbs., \$3.15; 25 lbs., \$6.50.

SUNFLOWER. 1 lb., 45c; 5 lbs., \$1.95; 10 lbs., \$3.65; 25 lbs., \$7.70.

CANARY SEED. 1 lb., 40c; 5 lbs., \$1.70; 10 lbs., \$3.15; 25 lbs., \$6.95.

VAUGHAN'S CANARY MIXTURE. 1 lb., 40c; 5 lbs., \$1.70; 10 lbs., \$3.15; 25 lbs., \$6.95.

FINCH SEED. 1 lb., 35c; 5 lbs., \$1.40; 10 lbs., \$2.60.

PARRAKEET SEED. 1 lb., 40c; 5 lbs., \$1.70; 10 lbs., \$3.15; 25 lbs., \$6.95.

VAUGHAN'S WILD BIRD FEEDING MIXTURE. (As recommended by the Illinois Audubon Society.) 1 lb., 30c; 2 lbs., 50c; 5 lbs., \$1.00; 10 lbs., \$1.80; 25 lbs., \$4.10; 100 lbs., \$14.00.

All prices prepaid within 300 miles of Chicago; otherwise collect.



MOUNTAIN ASH

Mountain Ash

The Mountain Ash is a valuable ornamental tree, easily grown, symmetrical, with striking foliage and with brilliant scarlet and orange berries in late summer and fall. A fine small to medium size tree, growing 20 to 25 ft. tall, and very hardy. 6 to 8 ft., well branched. Each \$7.50.

Trees are shipped by Express not Prepaid

Flowering Crab (Malus)

In grace and beauty, accompanied by unqualified hardiness, the flowering crabs excel all other flowering trees. They have no equal in profusion of bloom, and all varieties produce attractive clusters of fruit in autumn. We offer strong, 4 to 5 ft. plants, in three of the best varieties, which vary in color of blossom and in habit of growth as described.

HOPA (illustrated) 15-20 ft. Large deep rose flowers followed by red-fleshed, edible fruits. Each, \$3.50.

BECHTEL'S DOUBLE FLOWERING CRAB. 10-15 ft. Large double fragrant pink flowers, in such profusion that each branch is a full bouquet. Showiest of all. Straight trunk, symmetrical habit. Each, \$4.50.

ALMEY CRAB. 10-15 ft. Immense blooms, fiery crimson with white star-like markings at base of petal. Often blooms the same year planted, almost always the second. The tree is less symmetrical, more picturesque, than Bechtel's. Each, \$4.50.

HOPA FLOWERING CRAB



New Locust

SUNBURST THORNLESS LOCUST. GLEDITSIA TRIACANTHOSINERMISAUREA.

Spectacular new color in an ornamental shade tree. Branch tips of bright golden yellow, shading to bronze at ends contrast sharply with the rich green inner foliage to make it look like a flowering tree bursting with bloom. Keeps the appearance all summer long. It is ideal for lawns. Absolutely seedless, it carries no ground litter, and its lacy, sun-dappled shade actually benefits a fine lawn. It is extremely hardy and is resistant to insects and diseases. As this tree is a new variety and just introduced, there are no large sizes available as yet. We offer 6 to 7 ft. whips well rooted, twice transplanted. Each \$7.50



SUNBURST THORNLESS LOCUST
(Plant Pat. No. 1313)

Crimson King Maple

ACER. PLAT. SCHWEDLERI NIGRA. (Pat. No. 735). 40 to 60 ft. This is a perfected form of the Schwedler Maple, having foliage of deep maroon-purple all summer. The tips of the branches and new foliage are a lighter shade, giving the impression of a tree in bloom. No large sizes are available, but planted now, the trees will start branching the first summer and increase in beauty each year. Very hardy. 7 to 8 ft. whips, \$8.50.

CRIMSON KING MAPLE



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All Tubers $1\frac{1}{4}$ - $1\frac{1}{2}$ Inches in Diameter
Each Color Separately Bagged and Labeled

Tuberous rooted begonias thrive in the shade and reward the gardener not with a single flower of great beauty, as do most summer bulbs, but with a succession of magnificent blossoms all season long.

No wonder they have become in recent years one of the most widely grown flowers in this country, rivaling the gladiolus, if not surpassing it in popularity.

With their great beauty, they combine ease of culture when their basic needs are understood and supplied. Their liking for shade has helped make them popular, since a majority of home owners have shady spots for which it is often difficult to find attractive plants.

Begonias thrive on porches, where they can be grown in planters or large pots; in the shade of oak trees, and on the north side of buildings, where they get a few hours of morning or afternoon sun.

They are among the easiest flowers for an amateur to start growing under protection in the early spring, to be moved outdoors as soon as the danger of frost is over. Complete instructions on starting and transplanting them are sent with every order.

Special Offer, 7 Mixed for \$1.00

NEW TYPES NOT ILLUSTRATED

Picotee. These lovely flowers have the camellia form, with each petal edged with a different color, in the manner of the picotee carnations. The effect is delightful in flower arrangements. Colors for your selection include white with red edge; white with pink edge, salmon with scarlet edge. $1\frac{1}{2}$ to 2 in. bulbs, Each 25c; 12 for \$2.75.

Rosebud. Flowers of this class have the form of a rose bud in pastel coloring. Separate colors cannot be supplied, but all pastel colors in the mixture are harmonious and pleasing in combinations. $1\frac{1}{2}$ to 2 in. bulbs, Each 25c; 12 for \$2.75.

See Page 76 for Other Begonias



Pendula (Hanging Basket) Begonias.

Pendula (Illustrated above). These bear double flowers on long stems which drape over the sides of a hanging basket, or planter box, producing a novel and attractive decorative effect. Excellent for a window-box on the shady side of the house. Colors for your selection include scarlet, yellow, white, orange, salmon pink. $1\frac{1}{2}$ to 2 in. bulbs, Each 25c; 12 for \$2.75; 25 for \$5.00.