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PAKRO

GARDEN ANNUAL

JAN 6 1923
U.S. DEPT. OF AGRICULTURE

**Quality
Seeds, Plants, Bulbs
Garden Supplies**

Giant
Spencer
Sweet
Peas

Stocks

Verbenas

**"Red, White
and Blue"**

**SWEET PEA
COLLECTION**

One packet Giant-
flowering Sweet Peas
Each color as
illustrated

Mailed **POSTPAID**
35 cts.
2 Collections 60 cts.

American Seed and Seedtape Company
Madison, New Jersey, U. S. A.

D. J. Sawyer
FEB 9 1923

SELECTED PERENNIALS for AN ALL-TIME JOY GARDEN



Nowadays no really up-to-the-minute flower-garden is complete without Hardy Herbaceous Perennials, and so that each of our customers may have a representative showing of the newest and choicest varieties, *easily and reasonably*, we have selected from our long list, six of the best and easiest to grow. These we are glad to be able to offer in complete collections at reduced prices.

With these six you will get continuous bloom from May until killing frost and practically every color embraced in flowering plants. All are perfectly hardy and increase in size and beauty each year.

Anchusa italica (Dropmore variety). One of the very finest hardy perennials and **blue**—a real rich gentian-blue so seldom found in flowers. The plants are of spreading, bushy growth and should have plenty of room. They are literally covered with blooms during May and June and will bloom again in the fall if cut back. Height 4 to 5 feet.

Campanula calycanthemata. The old "Cup-and-Saucer" Canterbury Bells so familiar to everyone. Plants are three feet high and bear their delicate pink, pure white, and sky-blue, cup-and-saucer-shaped blooms on spikes well above the foliage. Blooms during June and July.

Gaillardia grandiflora. The "Blanket Flower." Most profuse bloomer of all the hardy perennials. Commences to bloom in early summer and continues until killed by hard frost. Plants are of rather dwarf, spreading growth, with blooms on long stems. Flowers are daisy-shaped, with large, rounded centers. Petals are yellow at edges, deepening to a rich mahogany-red center.

Hardy Phlox. This hardy perennial has increased in popularity by leaps and bounds the last few years, as it is one of the easiest grown and cared for of this class of plants. Height 2 feet, with flowerheads borne on top of each stalk and smaller heads on the ends of the branches. Blooms practically all summer, in white, pink, and blue shades.

Oriental Poppy. The bright, glowing scarlet of the Oriental perennial flowers. It is at its best planted in clumps against a background of evergreens. Plants are quite dwarf, and bear the scarlet blooms well above the foliage. Blooms are like gigantic poppies—rich, glowing scarlet with black base. Blooms in May.

Pyrethrum hybridum. Painted Daisies. A fine, hardy perennial that is not nearly so much used as it should be. Medium tall, bushy growth with beautiful fern-like foliage. Flowers are daisy-like and vary in color from pink to crimson, with deep yellow centers. Excellent for cut-flowers, lasting for a long time in water. Blooms continuously from May until hard frost.

"Big Six" Perennial Plant Collection

1 each of the above 6 varieties . . . \$1.50	6 each of the above 6 varieties . . . \$6.50
2 each of the above 6 varieties . . . 2.50	12 each of the above 6 varieties . . . \$12.50
4 each of the above 6 varieties . . . 4.50	Single plants, 30 cts. each.
Shipment via express	

All of above varieties are also easily grown from seed, which we can supply in generous sized packets at 15 cts. each, 6 packets for 75 cts., postpaid.

GLORIOUS NEW DELPHINIUMS

ENGLISH HYBRIDS

The Delphinium is, and has ever been, one of our finest blue flowers. It is also one of the hardiest of the hardy perennials seldom winter-killed and increasing from a small seedling to clumps 10 to 12 inches in diameter in three years. The old shades of light and dark blue have been improved upon by selection to give us the well-known sky-blue *Belladonna* and dark blue *Formosum*; and, whereas both of these were vast improvements over the old style, still it remained for recent cross-pollenization and hybridization to bring out the marvelous forms of the new hybrids.

Their spikes are longer, often 3 feet long, and their flowers much larger than the old types.

But it is chiefly in the range of colors that the new hybrids predominate. Every conceivable shade of blue is represented, from the light sky-blue of a clear summer sky to the rich dark purplish blue of a sun-tipped thunder cloud. Pastel colors, tinged with shades of mauve, pink, and lavender, are also included.

Last fall our grower was able to mark a number of varieties as to color, and as long as the supply of these last we will be pleased to fill them according to your preference. When this supply is exhausted, we will fill from the mixed which includes the same shades, excepting that they have not been separated as to color. Colors are:

1. Sky-blue and lavender with black eye.
2. Bright blue, tinged violet, white eye.
3. Deep blue and purple with large white eye.
4. Clear blue, white eye.
5. Gentian Blue, inner petals mauve, white eye, semi-double.
6. Sky-blue, yellow eye.
7. Sky-blue, edged pink, with black and yellow eye.
8. Rich purple edged gentian-blue.
9. Bright blue, yellow and plum eye variegated.
10. Rich deep purple and violet, large white eye striped violet; semi-double.
11. Bright blue, inner petals rose, with blue and white eye variegated.
12. Delicate pale sky-blue, large white eye, very large flowers.



Plants \$1 each, \$11 per doz., \$85 per 100, via express
Seed from this same extra-choice strain 50 cts. per pkt., postpaid

General Directions

PLEASE READ CAREFULLY
BEFORE ORDERING

How to order. Please use order sheet enclosed with this catalogue. Write name very plainly, or print name, post office, county, state, street, and house number (or R. F. D.) where you will get your mail, with explicit directions if stock is to be shipped to some other address. To avoid mistakes do not write letters on same sheet as orders.

Keep a copy of your order, and if you do not hear from us in a reasonable time send a duplicate order, naming the date on which the former order was sent, the amount of the money enclosed, and in what form.

Order Early. Do this for two reasons. (1) We can give your order more careful and prompt attention if received before the spring rush. (2) Our assortment is complete then, and we will not have to write for permission to substitute on varieties sold out.

FREE DELIVERY. We deliver free to your door everything in this catalogue unless otherwise stated. If goods that we do not deliver free are ordered to come by parcel post instead of by express collect, add 10 per cent of amount of order to remittance if shipment is to be made east of Mississippi River, and 15 per cent for all points west of Mississippi River. If prepayment is in excess of cost, difference will be returned to customer.

How to send money. Remit at our risk by Post Office or Express Money Order, Bank Draft or Check. U. S. (only) stamps will be accepted when amount of order is \$1 or less. Cash or stamps should be sent in registered letter, otherwise at sender's risk.

If goods are wanted C. O. D., 25 per cent of the amount must accompany the order. **No plants will be shipped C. O. D.**

No charge is made for boxes, packing, or bags, except for 2-bushel seamless sacks which are returnable for credit at price charged.

Save Money. When making out your general list of seeds and plants, be sure to include insecticides, sprayers, garden tools, or any other items in this line that you may need, thus saving extra shipping expense.

Quantity Prices. If you are a Florist, Dealer, or Grower and buy seeds in quantity, you are entitled to quantity prices which we will be pleased to quote on application. Send us list of your requirements and we will forward quotations by return mail.

Loan your catalogue. If any of your neighbors haven't a copy of our catalogue loan them your copy and we will gladly send you another.

PAKRO DOUBLE GUARANTEE

Pakro Seeds are the very finest strains money can buy. We supervise their growing and test each individual sack in our own laboratory and trial-ground. Because success in gardening and farming depends largely upon cultivation, soil, and weather, we cannot positively guarantee that they will grow under any and all conditions—but we unqualifiedly guarantee their vitality and purity and will promptly refund the price paid for them any time within one year if you are not entirely satisfied with results obtained. It is agreed, however, that in no case shall the American Seed and Seedtape Co. be liable for more than the amount actually paid for the seeds.

We further guarantee the safe arrival of all seeds ordered from us and will replace promptly any shipment of seeds lost in the mails or which fails to reach you in usable condition, provided we are notified at once. We cannot, however, be responsible for losses caused by detention by custom officials.

PAKRO FALL CATALOGUE. Our illustrated Catalogue of Hyacinths, Narcissi, Crocuses, Freesias, and all Hardy Bulbs and Plants for fall planting will be ready for mailing early in September and will be sent free to all who apply. A postcard will bring it to you, or, if you prefer, just write the words "Send Fall Catalogue" across the bottom of your order.



Pakro Seedhouse and Retail Store, Madison, N. J.

Best Seeds Always Cheapest

The success of your garden, after all, depends upon the quality of the seeds you plant. Pure-bred, carefully tested seeds mean a bumper crop and full satisfaction with results obtained. Bad seeds mean poor return for your costly labor, loss of time, dissatisfaction and annoyance. When placing your seed order bear these facts in mind, and don't forget that *the best is always the cheapest in the end.*

PAKRO SEEDS are always priced as low as is consistent with a high standard of quality, and we are particularly pleased to announce at this time that despite shortages in quite a number of the important crops, we have been able to maintain last season's reduced prices almost without exception and make still further reductions in several varieties.

PAKRO SEEDS are grown especially for us by the best growers in the world, and in the part of the world best suited to produce strong, fertile seeds of each variety.

They are rigidly tested and **GUARANTEED** to be of high germination, true to name, and of satisfactory productiveness or purchase price will be refunded without quibble or question.

Each year we aim to add to our list of offerings the best of the newer varieties of Vegetable and Flower Seeds, also Plants, Shrubs, etc., and you will find listed in this book quite a number of interesting new Introductions and Novelties not offered heretofore.

Pakro gardeners who prefer the Seedtape method of planting will find a complete list of seeds furnished in Seedtape on page 4—also detailed information regarding the care and cultivation of a Seedtape garden.

We also mention at this time our annual Fall Catalogue in which we list a complete assortment of Holland and other imported Bulbs as well as Plants and Shrubs suitable for fall planting. This book will be ready for mailing in September, and we would be pleased to send you a copy on request. You will surely want it if you are interested in beautiful early spring blooms.

Pakro Service includes prompt and close personal attention to every order; also the furnishing, without charge or obligation, gardening information and advice of every kind. Always feel free to write us if we can be of help in solving your gardening problems.

Our list contains only such varieties as we know are worth while. If you have favorites not included, write us. We can furnish any variety desired.

We await your valued orders and wish you the best of success with your season's garden.

AMERICAN SEED AND SEEDTAPE CO.
MADISON, NEW JERSEY

IT'S EASY TO ORDER PAKRO SEED—ALL VARIETIES ARE LISTED ALPHABETICALLY

PAKRO NOVELTIES AND INTRODUCTIONS

On this page and the next you will find the season's choicest novelties and introductions in both flower and vegetable seeds. We have been most careful in making our selection for this list and include only those varieties which we know are of particular merit and worthy of a special trial in our customers' gardens.



Viscaria, Tom Thumb Rosy Gem

Viscaria, Tom Thumb Rosy Gem

A charming, new, very dwarf variety that should prove to be a decided acquisition for dwarf borders, bedding, rockeries, and window-boxes. Plants are of compact and very dwarf growth. Flowers resemble those of a vinca and are a lovely shade of bright carmine-rose. Blooms in great profusion from early spring until killed by frost. **Loose Seed, pkt. 50 cts., 3 pkts. \$1.25, postpaid.**

Double or Crested Cosmos

A wonderful new variety of Cosmos with double or crested centers making a most attractive bloom. In common with many other double forms of single flowers they do not come entirely true from seed. The plants that will produce double flowers, however, are easily distinguished in the seedling state as they have a heavier and less cut foliage than the single varieties.

PINK BEAUTY. Rich pink. **Loose Seed, pkt. 25 cts., 3 pkts. 60 cts., postpaid.**

CRIMSON KING. Deep crimson. **Loose Seed, pkt. 25 cts., 3 pkts. 60 cts., postpaid.**

WHITE QUEEN. Pure clear white. **Loose Seed, pkt. 25 cts., 3 pkts. 60 cts., postpaid.**

COLLECTION: One pkt. of each of the 3 colors, 60 cts., 2 pkts. each, \$1, postpaid.



Zinnia,
Double
Dahlia-
flowered

Beauty Aster

A superb new large-flowering variety

Beauty Asters represent the height of perfection in this class of flowers. Large, strong, vigorous plants, long, stout stems, and magnificent double blooms, 4 to 5 inches in diameter. They begin to bloom in late September and last until killed by heavy frost. Plants are 2 to 3 feet high and of the branching type. Flower stems are from 18 to 24 inches long, making them the *best of all Asters for cut-flowers.*

AZURE FAIRY. Delicate light clear blue. **Loose Seed, pkt. 25 cts., 3 pkts. 60 cts., postpaid.**

PEACH BLOSSOM. Charming peach-blossom-pink. **Loose Seed, pkt. 25 cts., 3 pkts. 60 cts., postpaid.**

WHITE BEAUTY. Immense flowers of the purest white. **Loose Seed, pkt. 25 cts., 3 pkts. 60 cts., postpaid.**

COLLECTION: One pkt. each of the 3 colors, 60 cts., 2 pkts. each, \$1, postpaid.



Cosmos, Double or Crested

Giant Snapdragon, Harmony

Undoubtedly one of the finest tall Antirrhinums ever introduced. The flower-spikes are exceptionally long, almost equaling those of the new hybrid delphiniums (see inside front cover page). Flowers are clustered thickly on the stalk and the individual blooms are very large and exquisitely frilled. The color is a rich terra-cotta-pink, shaded with rose and merging into a golden yellow at the center. Previously this remarkable shade was only to be had in the Breeder tulips. **Loose Seed, pkt. 50 cts., 3 pkts. \$1.25, postpaid.**

Improved Orange King Calendula

A decided improvement over strains previously offered. Flowers are extra large in size and full double, showing no hard centers. Plant is very compact and upright and not inclined to straggle as are other varieties. We anticipate a large demand for this wonderful new variety. **Loose Seed, pkt. 25 cts., 3 pkts. 60 cts., postpaid.**



Dahlia, Stella

Novelty Dahlia, Stella

Dahlias are now so popular that we are sure our customers will welcome this new, strikingly formed variety. Stella is a form of the Single Cactus type, with but one row of petals which are recurved and give the whole flower a striking resemblance to a star fish. Colorings are very varied and are usually marbled on the backs of the petals. Blooms are borne early on long stiff stems. Easily flowered from seed planted indoors in April. **Loose Seed, pkt. 75 cts., 3 pkts. \$2, postpaid.**

New Dwarf Double Marigold AFRICAN ORANGE PRINCE

Many efforts have been made to produce a dwarfier growing Marigold of the African type and still maintain the same size and substance of bloom. We are glad to be able to offer our customers this year seed of a true dwarf type of Orange Prince. The plant is very symmetrical and bushy in shape and does not exceed 2 feet in height. Blooms are of the same remarkable size as those of the tall Orange Prince and are borne profusely from the bottom to the top of the plant. This seed is direct from the originator of this new type, one of the foremost growers in England. **Loose Seed, pkt. 25 cts., 3 pkts. 60 cts., postpaid.**

New Dahlia-flowered Zinnia

A striking new form of the ever-popular Zinnia offered in separate colors for the first time. In both size and substance of individual blooms, this new type is far superior to the old. Flowers are truly mammoth in size, often measuring 6 inches in diameter and 3 to 4 inches deep. They are full double and have no hard raised centers. Petals are curved, giving the same effect as a Decorative Dahlia. The plant is a strong, vigorous grower, similar in appearance to the old type.

BUTTERCUP. Deep buttercup-yellow. **Loose Seed, pkt. 25 cts., 3 pkts. 60 cts., postpaid.**

CANARY BIRD. Delicate primrose-yellow. **Loose Seed, pkt. 25 cts., 3 pkts. 60 cts., postpaid.**

CRIMSON MONARCH. Deep crimson flowers as large as 8 inches in diameter. **Loose Seed, pkt. 25 cts., 3 pkts. 60 cts., postpaid.**

ILLUMINATION. Deep rose. **Loose Seed, pkt. 25 cts., 3 pkts. 60 cts., postpaid.**

POLAR BEAR. Pure white; very large. **Loose Seed, pkt. 25 cts., 3 pkts. 60 cts., postpaid.**

SCARLET FLAME. Beautiful bright scarlet. **Loose Seed, pkt. 25 cts., 3 pkts. 60 cts., postpaid.**

COLLECTION: One pkt. of each of the 6 colors, \$1.25, 2 pkts. each, \$2.25, postpaid.

NEWEST VEGETABLE SEEDS

Giant-Podded Pole Lima

Here you have all that's best in Lima Beans in one variety—largest size, greatest productiveness, and best eating quality. If you like Lima Beans young and tender, so that they fairly melt in your mouth, pick the pods when the Beans show through about the size of a dime. If you prefer them large and meaty, wait until they are full-grown. This new variety is a very vigorous grower, often reaching the height of 15 feet, and should be trained on string or wire between the poles. Despite the large pods, it is very productive, each vine sending out ten to fifteen laterals covered with pods. The pods are mammoth in size, usually 7 inches long, and contain five or six large, flat, rather thick Beans when mature. They are borne in clusters of from four to eight and ripen evenly, making them easy to pick.

If you are planting Lima Beans this spring, you can hardly afford not to include this variety. Loose Seed, 1/4lb. pkt. 20 cts., 1/2lb. 30 cts., lb. 50 cts., postpaid; 5 lbs. \$2.25, by express.

Golden Giant Sweet Corn

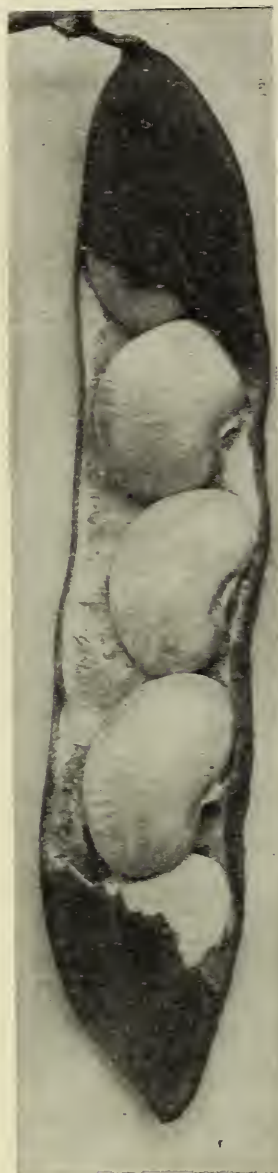
A giant Golden Bantam, with most of the good eating qualities of that variety and the added advantage of a full "man-sized" ear. If you like yellow Corn—and most everyone prefers it to the white sorts—you will surely want to include this variety in your garden. Ears are 8 or more inches long, borne two, and sometimes three, to a stalk. In season it is a medium early, ripening just before Howling Mob. Loose Seed, 1/4lb. pkt. 20 cts., 1/2lb. 30 cts., lb. 45 cts., postpaid; 5 lbs. \$2, by express.

Improved Blue Bantam Peas

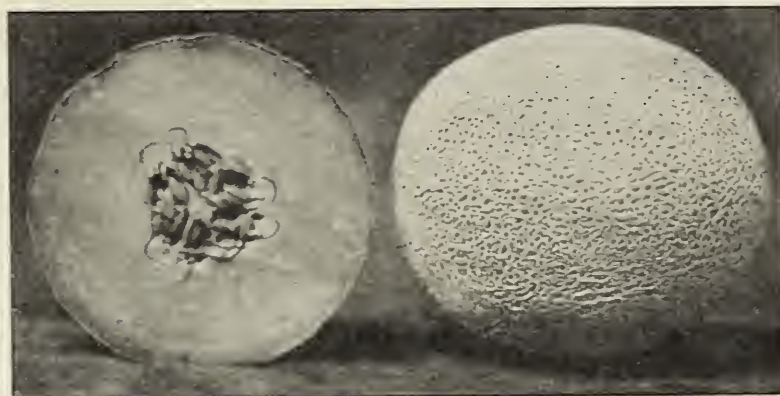
The finest extra-early, large-podded variety. Vines are very dwarf, of strong, sturdy growth, and yield an enormous amount of pods 4 to 5 inches long, each containing six to eight large Peas. The flavor is sweet, luscious, rich, and buttery, and surpasses, in our opinion, even that of Gradus. For the home-garden we believe Blue Bantam unsurpassed. Loose Seed, 1/4lb. pkt. 20 cts., 1/2lb. 30 cts., lb. 50 cts., postpaid; 5 lbs. \$2, by express.

GARDEN BOOK FREE

One pkt. each of 5 Vegetable Novelties listed on this page, together with a copy of the Home Garden Book, very instructive and illustrated in colors, for \$1, postpaid. Mention this special offer.



Giant-Podded Pole Lima Bean



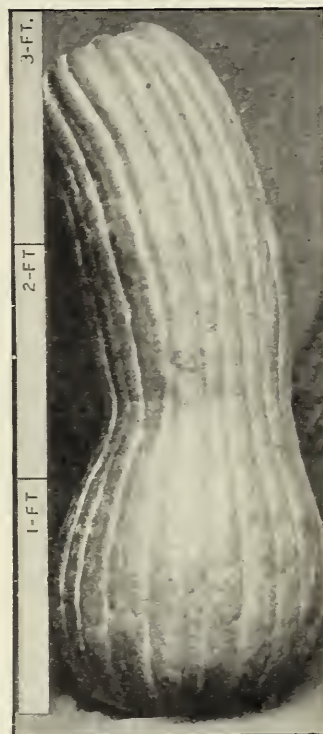
Edward's Perfecto Muskmelon

Edward's Perfecto Muskmelon

The finest Muskmelon ever introduced. You must taste it to know how sweet a really good Muskmelon can be. Aside from its superb flavor, the melon itself is superior in every way. The fruits are very heavily netted light gray, and the outside skin is tough, making it an excellent keeper and shipper. The flesh is very firm and a rich salmon color almost to the rind and the seed cavity is so small that it can be covered with a silver dollar. Fruits are very uniform in size and shape; vines extra heavy and very disease-resistant. Loose Seed, pkt. 20 cts., oz. 35 cts., 1/4lb. \$1, lb. \$3.50, postpaid.

Pakro Mammoth Sweet Squash

A new, enormous, orange-fleshed, sweet Squash of our own introduction, grown from selected seed of mammoth Italian strain. It is monstrous in size, a single specimen from our trial-grounds weighing 97 pounds, and measuring 3 feet in length by 15 inches in diameter. The seed is all in the bulblike end (as shown in the illustration); the remainder is solid flesh. The flesh is a rich, deep, orange color, firm but not tough, and of the sweetest flavor. Pies made from this wonderful Squash are the best we have ever tasted. Culture is the same as for ordinary Squash or Pumpkin, but for fruits of the largest size the soil should be very fertile and fruits should be given plenty of room in which to develop. Loose Seed, pkt. (10 seeds) 25 cts., 2 pkts. 40 cts., 5 pkts. \$1, postpaid.



Pakro Mammoth Sweet Squash

\$3⁰⁰
Value

Pakro Home Garden Collection

27 full-size packets Vegetable Seeds, enough for garden 25 x 50. If purchased separately \$3; Special Collection price \$2, postpaid

\$2⁰⁰
POST-PAID

Give your garden a chance this year. If you have only been raising five or six or even ten varieties of vegetables you have not been taking full advantage of one of nature's greatest blessings. If your garden will grow two varieties it will grow twenty. This collection contains twenty different and distinct kinds of vegetables and in some cases several varieties of the different kinds. If planted at the proper season and given ordinary care and attention it will provide a bounteous supply of vegetables for a small family all summer long.

THE COLLECTION CONTAINS ONE PACKET (LOOSE SEED) EACH OF THE FOLLOWING:

- | | | | |
|----------------------------|-------------------------------|---------------------------|---------------------------|
| Beans, Bountiful | Carrot, Chantenay | Onion, White Portugal | Spinach, Long Standing |
| Beans, Refugee Wax | Corn, Golden Bantam | Parsley, Double Curled | Squash, White Bush |
| Beans, Fordhook Bush Lima | Cucumber, White Spine | Peas, Earliest of All | Swiss Chard |
| Beet, Crimson Globe | Kohlrabi, White Vienna | Peas, Telephone | Tomato, Beauty |
| Beet, Extra-Early Egyptian | Lettuce, Big Boston | Pepper, Large Bell | Turnip, Early White Milan |
| Cabbage, Jersey Wakefield | Lettuce, Black-Seeded Simpson | Radish, Scarlet White-Tip | Turnip, Strap-Leaf |
| Cabbage, Flat Dutch | Onion, Prizetaker | Radish, Icicle | |



WE ARE SOLE MANUFACTURERS AND DISTRIBUTORS

SAVES SEEDS AND LABOR

PAKRO SEEDTAPE

MAKES GARDENING A PLEASURE

A BETTER, EASIER WAY TO PLANT SMALL SEEDS

Pakro Seedtape is a thoroughly scientific method of planting small vegetable and flower seeds. It is used annually by many thousands of home-gardeners in nearly every civilized country in the world, also by leading florists, market growers and farmers who have been quick to recognize its labor and time-saving features. It is enthusiastically endorsed by foremost agricultural experts everywhere. It saves money, time, seeds, back, and temper.

It produces stronger, healthier plants, in neater, straighter rows—the utmost in garden satisfaction.

HAVE A SEEDTAPE GARDEN

If you are not already a Seedtape gardener, we urge you to try it this year and experience for yourself the splendid success that it gives. No urging on our part is necessary if you have already tried the Seedtape way. Included among our customers are many who have used Seedtape for four to five years and from whom we have received letters advising that they would stop gardening if unable to plant certain varieties with Seedtape.

We list elsewhere on this page all the varieties offered in Seedtape and recommend each for your favorable consideration. We do not tape varieties in which spacing is undesirable—nor those seeds large enough to be easily handled and planted.



Let the Youngsters Have a Seedtape Garden

The quickest way to enlist your child's interest in a garden is to set aside a certain portion of it as his or her very own and let them plant PAKRO Seedtape in it with their own hands, under your direction. The results will delight them. First the tiny shoots come up and then the fully matured plants. It will hold their interest from the very start and impress the youthful mind with the profound wonders of Nature.

"Pakro Seedtape affords earlier germination, stronger plant-life, and better results than seeds planted in the old way."—D. FINLAYSON, F.L.S., Director The Seed Testing Laboratory, London, England.

WHAT SEEDTAPE IS

It consists of a narrow strip of thin tissue paper upon which are placed specially selected and carefully tested seeds correctly spaced for planting.

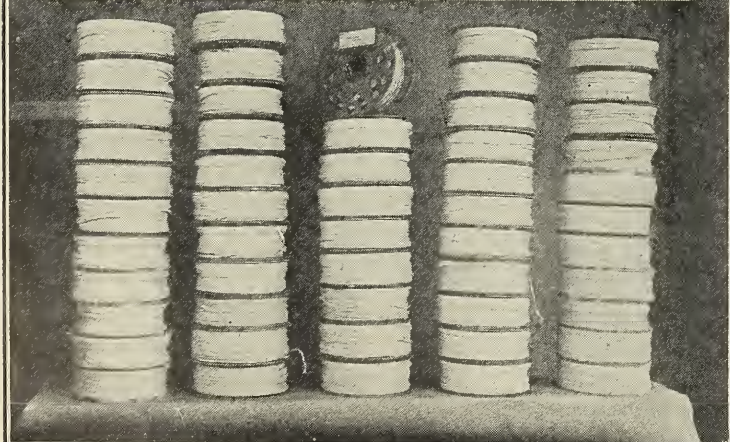
To plant you make a shallow trench (detailed cultural directions are on each package) and unroll the Seedtape in it as fast as you walk. If ground is very dry water tape before covering, firm earth and water same as loose seed.

The moisture in the ground and the watering you give it after the planting is done causes the tissue holding seeds to disintegrate and disappear, leaving the seeds correctly spaced in the ground. They sprout quickly and plants grow rapidly and strong as they are not crowded.

WHAT SEEDTAPE DOES

1. Reduces transplanting to a minimum.
2. Makes thinning out almost unnecessary.
3. Enables one to plant a garden easier and in much less time than is required by old method.
4. Makes waste of seed a thing of the past.
5. Brings seeds to the gardener and grower spaced the correct distance apart.
6. Helps all seeds planted this way to grow faster and stronger.
7. Beautifies the garden by keeping the rows straight and even.
8. Makes a scientific gardener of the amateur and eliminates guesswork and doubt.

53 REELS OF BERMUDA ONION SEEDTAPE ESPECIALLY TAPED FOR ONION GROWERS OF TEXAS UPON ORDER OF COUNTY AGENT FOR U.S. DEPT. OF AGRICULTURE BY AMERICAN SEED AND SEEDTAPE COMPANY



MANGEL BEETS IN SEEDTAPE

With labor so high, you can hardly afford to pass up a single labor-saving device. Think of being able to plant Mangel Beet seeds at distances of 6 or 12 inches apart with absolute accuracy. Seedtape does it. Think of the labor saved in thinning out alone because with Seedtape this expensive process is reduced to a minimum and what little thinning out is necessary may be easily done with a sharp hoe. If you are planting Mangels this year it will pay you to get them in Seedtape. For prices and full description, see Mangel Beets, page 8.

LIST OF SEEDTAPE VARIETIES

The following varieties of Pakro Seeds are offered in Seedtape. For complete description and cultural instruction, see pages indicated.

VEGETABLES

Beets, Garden... 8	Corn Salad... 10	Lettuce... 12	Spinach... 17
Beets, Mangel.. 8	Endive... 11	Onion... 14	Swiss Chard... 17
Brussels Sprouts 7	Kale... 11	Parsnip... 14	Tomato... 18
Cabbage... 9	Kohlrabi... 11	Radish... 16	Turnip... 17
Carrot... 8	Leek... 11	Rutabaga... 17	

FLOWERS

Alyssum... 21	Calliopsis... 22	Larkspur... 24	Poppy, California 25
Aster... 22	Candytuft... 22	Mignonette... 24	Stocks... 25
Balsam... 22	Chrysanthemum 22	Morning-Glory 24	Sweet Peas... 25
Bachelor's Button... 22	Gypsophila... 23	Phlox... 25	Verbena... 26
	Hollyhock... 28	Pinks... 25	

In buying Seedtape you can figure your exact requirements, as all vegetable seeds are taped in rolls forty (40) feet long, and flower seeds in rolls ten (10) feet long, and all varieties are sold at the standard price of 10c. each.

SEEDTAPE HELPS AMATEURS GET RESULTS OF EXPERTS



This vegetable garden on the estate of James H. McGraw, Madison, N. J., grown from Pakro Quality Seeds

Pakro Suburban Garden Collection

\$6⁵⁰
VALUE

Plenty of seed to plant a garden 50 x 50 feet that will grow plenty of fresh vegetables for a family of five all summer, and some over to can or store for winter use. \$6.50 value if purchased separately from catalogue. Collection price, \$5, postpaid.

\$5⁰⁰
POSTPAID

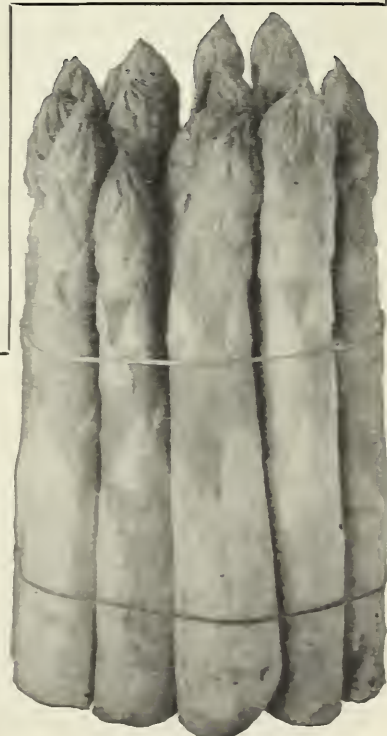
Great care was used in making up the varieties offered in this collection. It includes twenty-nine different kinds of vegetables and forty-two different varieties. The amounts of each variety are carefully proportioned so that you will not have too little of one or too much of another. Complete list of varieties and quantities given below.

- 1 lb. Bean, Bountiful
- 1 lb. Bean, Hodson Wax
- 2 pkts. Pole Lima, Leviathan
- 2 pkts. Bush Lima, Fordhook
- Pkt. Beet, Crimson Globe
- Pkt. Beet, Early Egyptian
- Pkt. Cabbage, Flat Dutch
- Pkt. Cabbage Jersey Wakefield
- Pkt. Carrot, Chantenay
- Pkt. Carrot, Oxheart
- Pkt. Celery, White Plume
- 2 pkts. Corn, Golden Bantam
- 2 pkts. Corn, Country Gentleman
- Pkt. Cucumber, White Spine
- Pkt. Eggplant, Black Beauty
- Pkt. Endive, Green Curled
- Pkt. Kale, Curled Scotch
- Pkt. Kohlrabi, White Vienna
- Pkt. Lettuce, Big Boston
- Pkt. Lettuce, Salamander
- Pkt. Lettuce, Trianon Cos
- Pkt. Muskmelon, Emerald Gem
- Pkt. Onion, Prizetaker
- Pkt. Onion, Red Globe
- Pkt. Onion, White Portugal
- Pkt. Parsley, Double Curled
- 2 pkts. Parsnip, Hollow Crown
- 1 lb. Peas, Earliest of All
- 1 lb. Peas, Telephone



Pakro Seeds Grow Bumper Crops

- Pkt. Pepper, Large Bell
- Pkt. Pumpkin, Connecticut Field
- 2 pkts. Radish, French Breakfast
- 2 pkts. Radish, Icicle
- Pkt. Rutabaga, Purple Top
- 2 pkts. Spinach, Long Standing
- Pkt. Squash, White Bush
- Pkt. Squash, Hubbard
- Pkt. Swiss Chard, Silver Leaf
- Pkt. Tomato, Earliana
- Pkt. Tomato, Ponderosa
- Pkt. Turnip, Strap Leaf
- Pkt. Watermelon, Kleckley Sweets



Washington Asparagus

A carefully planned garden chart is sent with each collection to insure your reaping the utmost from your garden

ASPARAGUS

An ounce of seed will grow about 200 plants

Asparagus is the finest and earliest spring vegetable. Long before peas, beets, etc., are ready for picking, Asparagus is in its prime and it does not take a large amount of space to give a bountiful supply. A bed 10 by 20 feet is sufficient for a family of four. *Cultural leaflet sent free on request.*

PALMETTO. Large, green stalks; very early. Loose seed, pkt. 10 cts., oz. 15 cts., ¼lb. 50 cts., postpaid. Roots, 40 cts. per doz., \$2 per 100, by express.

ARGENTEUIL. Blue- or purple-tinged stalks. Loose seed, pkt. 10 cts., oz. 15 cts., ¼lb. 50 cts., postpaid. Roots, 40 cts. per doz., \$2.25 per 100, by express.

WASHINGTON. New rustproof variety with green stalks. The very best Asparagus. Loose seed, pkt. 20 cts., oz. 75 cts., ¼lb. \$2.50, postpaid. Roots, 75 cts. per doz., \$4.50 per 100, by express.

"The Home Garden" a beautifully illustrated and authoritative book on home gardening by E. L. D. Seymour of the Country Life Press, included with the above Pakro Suburban Garden Collection for 25 cents additional. Usual price, \$1.00.

A GOOD HOME-GARDEN WILL CUT STORE BILLS—PLANT MORE THIS YEAR



Hodson Wax (Note the productiveness of the single plants)

DWARF OR BUSH BEANS

One pound will sow 50 feet of row

Bush Beans, as green Snap Beans or as Shell Beans, form almost as staple a food as wheat products, and are the easiest and most satisfactory vegetables to grow in the home-garden. They will give more food per square foot than any other vegetable and are very rich in vitamins.

By judicious planting of the early and late varieties, you can have green Snap Beans for your table from the second week in June until the killing frosts in October. While a light, rich soil is preferable, they will grow satisfactorily under practically all average garden conditions.

Plant as soon as the weather has become settled (when the maples start to leaf) in drills 2 inches deep; place seed 2 inches apart in the row, and when 6 inches high, thin out to stand from 6 to 10 inches apart. Beans will not produce satisfactorily if they are crowded in the row.

BURPEE'S STRINGLESS GREEN-POD.

Earliest and best round-podded green Bush Bean. Plants are of large size, very bushy in form, with dark green foliage. Pods are round, 5 inches long, absolutely stringless, and, all in all, it is a perfect green Bush Bean for either the home- or market-garden. Loose seed, $\frac{1}{4}$ lb. pkt. 15c., $\frac{1}{2}$ lb. 30c., lb. 45c., postpaid; 5 lbs. \$2, by express.

BOUNTIFUL. One of the most popular green Snap Beans; very early and extremely hardy. Pods are 6 to 7 inches long, flat, nearly straight, and of a light green color. Flesh is tender, meaty, and entirely free from fiber or strings. Loose seed, $\frac{1}{4}$ lb. pkt. 15 cts., $\frac{1}{2}$ lb. 25 cts., lb. 35 cts., postpaid; 5 lbs. \$1.50, by express.

EXTRA-EARLY RED VALENTINE. An extra-early round-podded sort. Pods are $4\frac{1}{2}$ to 5 inches long, dark green, and of fine quality. A very heavy yielder which makes it popular with market- and home-gardeners. Loose seed, $\frac{1}{4}$ lb. pkt. 15 cts., $\frac{1}{2}$ lb. 25 cts., lb. 35 cts., postpaid; 5 lbs. \$1.50, by express.

EXTRA-EARLY REFUGEE. Another extra-early Bean of great merit. Color and size of pod same as Refugee, as productive, and about a week earlier. Extra-Early Refugee and Late Refugee planted at the same time will keep you well supplied with fresh Snap Beans for five to six weeks, according to the season. Loose seed, $\frac{1}{4}$ lb. pkt. 15 cts., $\frac{1}{2}$ lb. 20 cts., lb. 30 cts., postpaid; 5 lbs. \$1.25, by express.

GIANT STRINGLESS GREEN-POD. Quite similar to Burpee's Stringless Green-Pod, with longer pods; about as productive but later. Pods are 6 inches long, round, dark green, and absolutely free from strings or fibre. Excellent quality and very productive. Loose seed, $\frac{1}{4}$ lb. pkt. 15 cts., $\frac{1}{2}$ lb. 25 cts., lb. 35 cts., postpaid; 5 lbs. \$1.50, by express.

REFUGEE or 1000-to-1. The best main-crop green Snap Bean. Pods are $5\frac{1}{2}$ inches long, round, light green, and slightly curved. They are borne so profusely that there are literally a thousand Beans to one bush. Flesh is very tender and meaty and without strings or fiber. This wonderfully productive Bean should have a place in every garden if for no other than canning purposes. Loose seed, $\frac{1}{4}$ lb. pkt. 15 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., postpaid; 5 lbs. \$1.75, by express.



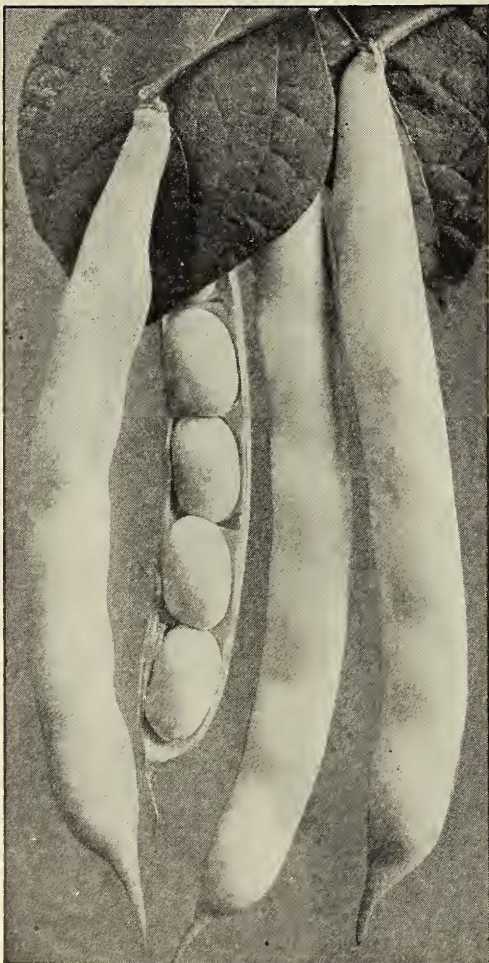
Burpee's Stringless Green-Pod Beans

HODSON WAX. Plants are of very vigorous growth, often $2\frac{1}{2}$ feet in height. They bear a profusion of long, flat, slightly curved, creamy yellow pods, which if picked before they are too old, are free from strings or fiber. Loose seed, $\frac{1}{4}$ lb. pkt. 15 cts., $\frac{1}{2}$ lb. 25 cts., lb. 35 cts., postpaid; 5 lbs. \$1.50, by express.

REFUGEE WAX. Same season, same growth, and as productive as Refugee or 1000-to-1, but pods are rich yellow color instead of green. An excellent Bean for the home-garden. It is fine for canning and can also be used as a dry shelled Bean. Loose seed, $\frac{1}{4}$ lb. pkt. 15 cts., $\frac{1}{2}$ lb. 20 cts., lb. 30 cts., postpaid; 5 lbs. \$1.25 by express.

PENCIL-POD BLACK WAX. We consider this the best round Wax Bean for general use. Plants are strong and vigorous, with dark green foliage. Pods are $6\frac{1}{2}$ to 7 inches long, straight, round, pure clear yellow in color, and entirely free from strings or fiber. The seed of this variety is black and may be dried to use in the winter-time for black Bean soup. Loose seed, $\frac{1}{4}$ lb. pkt. 20 cts., $\frac{1}{2}$ lb. 30 cts., lb. 45 cts., postpaid; 5 lbs. \$2, by express.

RUSTPROOF GOLDEN WAX. Pods are golden yellow, slightly flat, but thick and meaty. It is as rustproof as it is possible for a Wax Bean to be. While best used as a fresh table Bean, it makes a fine dry shelled Bean for winter use. Loose seed, $\frac{1}{4}$ lb. pkt. 15 cts., $\frac{1}{2}$ lb. 25 cts., lb. 35 cts., postpaid; 5 lbs. \$1.50, by express.



Rustproof Golden Wax Beans

SUCCESSION COLLECTION OF BUSH BEANS

Four selected varieties that if planted at the same time will mature in the order named thus assuring a continuous supply.

BOUNTIFUL, GIANT STRINGLESS, GOLDEN WAX, REFUGEE (1,000-to-1) COLLECTION, $\frac{1}{4}$ LB. PKT. EACH OF ABOVE, 50 CTS., POSTPAID
COLLECTION, $\frac{1}{2}$ LB. EACH OF ABOVE, 85 CTS., POSTPAID
COLLECTION, 1 LB. EACH OF ABOVE, \$1.30, POSTPAID

DON'T PLANT BEANS TOO EARLY

All beans are tender and if planted too early will rot in the ground. This is especially true of Lima Beans, and they should therefore not be planted until the weather has become settled.

FULL CULTURAL DIRECTIONS ON EACH PACKET PAKRO SEEDS

LIMA BEANS

One pound of seed will sow 50 feet of row or 75 hills

Lima Beans are one of the most satisfactory vegetables to grow for summer and fall. Only one planting is necessary, as once the Beans commence to ripen, they will bear continuously until killed by the fall frosts. Fifty poles of Pole Limas, or a 100-ft. row, of Bush Limas should be sufficient for a family of five. The seeds are quite tender and rot quickly in wet, cold weather, therefore it is best not to plant them until the weather has become thoroughly settled. Plant about 1½ inches deep, eye of Bean down, six or eight Beans to a pole; Bush Beans 4 inches apart. Thin the Pole Limas out later to three plants to a pole, and the Bush Limas to at least 12 inches apart.

Pole Varieties

EARLY LEVIATHAN. An extra-early variety. Pods are borne in clusters of from six to eight, making them very easy to pick. Although one of the first Pole Limas to come into maturity, it bears continuously up until heavy frost. Pods are from 5 to 6 inches long and usually containing five large, flat Beans. Flavor is sweet and buttery. Loose seed, ¼lb. pkt. 15 cts., ½lb. 30 cts., lb. 45 cts., postpaid; 5 lbs. \$2, by express.

CHALLENGER. Starts to bear somewhat later than Early Leviathan. Pods are borne in clusters, are about 4 inches long, and usually contain four rather thick, round-shaped Beans. Very productive and of excellent flavor. Loose seed, ¼lb. pkt. 15 cts., ½lb. 25 cts., lb. 45 cts., postpaid; 5 lbs. \$2, by express.

GIANT-PODDED. Largest in size, most productive, and finest eating Pole Lima. Complete description will be found among the Season's Leading Novelties on page 3. Loose seed, ¼lb. pkt. 20 cts., ½lb. 30 cts., lb. 50 cts., postpaid; 5 lbs. \$2.25, by express.

KING OF THE GARDEN. All that the name implies. A strong, vigorous grower and a prodigious yielder. Pods 4 to 5 inches long and uniformly four-seeded. Beans are flat and of the very best quality. Easy to pick, easy to shell, and easy to eat. Loose seed, ¼lb. pkt. 15 cts., ½lb. 30 cts., lb. 45 cts., postpaid; 5 lbs. \$2, by express.

Dwarf or Bush Varieties

BURPEE'S. Bush Limas are somewhat earlier than the Pole Limas, and for that reason are preferred by some gardeners. They also do away with the necessity of having to secure poles, which is oftentimes not convenient. Burpee's Bush Lima has dwarf, slightly spreading growth about 1½ feet in height; very productive. Pods average 4 inches in

length and contain three or four large and flat Beans of excellent quality. Loose seed, ¼lb. pkt. 15 cts., ½lb. 25 cts., lb. 40 cts., postpaid; 5 lbs. \$1.75, by express.

FORDHOOK. This variety has been a prime favorite with both the market- and home-gardener ever since it was introduced. It is more compact and bushy in growth than Burpee's Bush Lima. Pods, borne in clusters, are from 4 to 5 inches long and contain four to five plump Beans of excellent quality. Seeds are quite hardy and may be planted somewhat earlier than the pole varieties. Loose seed, ¼lb. pkt. 15 cts., ½lb. 25 cts., lb. 45 cts., postpaid; 5 lbs. \$2, by express.

I used some of your seeds last season and found them so satisfactory that I shall endeavor to induce my friends to use them this year.—Mrs. SHIRLEY BROWN, West Rye, N. H.

LONG ISLAND IMPROVED BRUSSELS SPROUTS

An ounce of seed will grow 3,000 plants

These miniature heads of cabbage rank with cauliflower as being the most tasty members of the cabbage family. The leaves are like a cabbage but high on the stalk and small, tightly folded sprouts are borne along the stem. Very easy to pick and clean and when cooked make a dish fit for a king. For cultural instructions, see Cabbage. Loose seed, pkt. 10 cts., oz. 35 cts., ¼lb. \$1, lb. \$3.50. Seedtape, pkt. 10 cts., postpaid.

I have used Pakro Seeds for the last three years and have no desire to change. Shall send you an order as soon as I receive your catalogue.—S. H. SLATER, Norwich, N. Y.

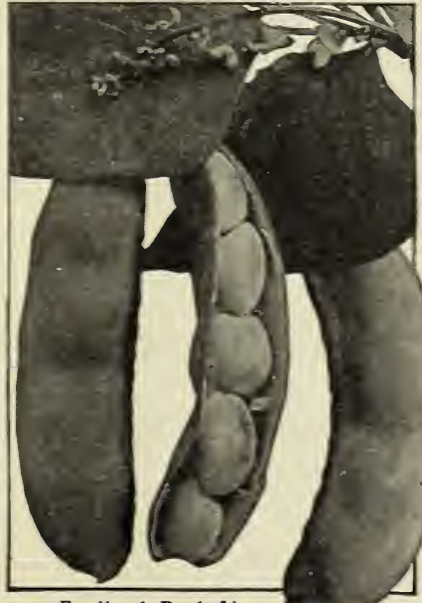
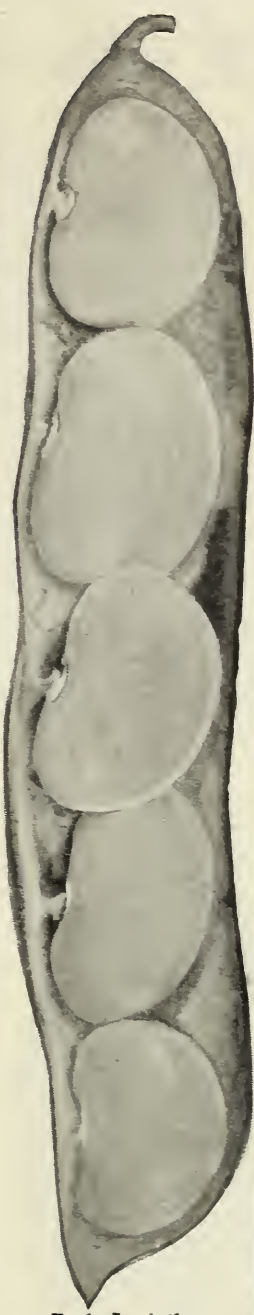
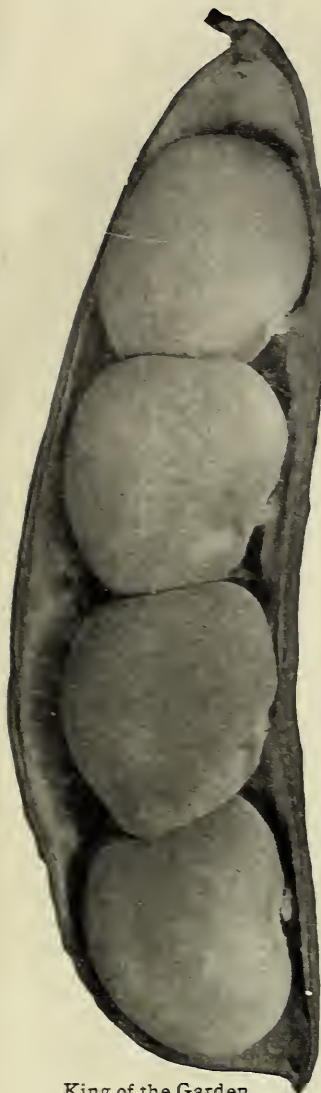
DWARF OR BUSH LIMA BEANS, continued

HENDERSON'S. Another addition to the Pakro family of Quality Seeds for Better Gardens and Better Food. It rounds out our list of varieties of Bush Lima Beans by supplying a small-seeded Bush Lima of marvelous productiveness. It is the ideal Lima Bean for northern sections where the season is short, as it is a week to ten days earlier than Burpee's or Fordhook. Plants are of true bush form and bear a profusion of pods containing three or four small, flat, light green Beans. Very tender and sweet. Loose seed, ¼lb. pkt. 15 cts., ½lb. 20 cts., lb. 35 cts., postpaid; 5 lbs. \$1.50, by express.

POLE BEANS

KENTUCKY WONDER (OLD HOME-STEAD). Kentucky Wonder is an old-time favorite, and no newer sort has been found which can take its place. Hardy and vigorous, it is the most productive of the Pole Beans, five or six poles being sufficient to supply the average family all summer long. Pods when matured are 8 to 9 inches long, slender, round, and curved. When not too old, they are perfectly stringless, free from fiber, and of the best flavor. Loose seed, ¼lb. pkt. 15 cts., ½lb. 25 cts., lb. 35 cts., postpaid; 5 lbs. \$1.50, by express.

WHITE NAVY (BOSTON PEA) BEAN. This is the small, pure white, nearly round Bean used for baking. There is no reason why you should pay the grocer high prices for them during the winter when you can grow sufficient for your needs from a pound of seed in your own garden. Loose seed, ¼lb. pkt. 15 cts., ½lb. 25 cts., lb. 35 cts., postpaid; 5 lbs. \$1.50, by express.



King of the Garden

Early Leviathan

Kentucky Wonder Pole Beans

Fordhook Bush Lima

PAKRO SEEDS ARE GROWN IN CLIMATE BEST SUITED TO EACH VARIETY

The seeds that I obtained from you last spring were very satisfactory and I can assure you that I shall not hesitate to order from you again.—CHARLES GAUTHIER, Garden, Mich.

BEETS

An ounce of seed will sow 50 feet of row

Nothing is quite so delicious as the first mess of small Beets in the spring. The seed may be planted just as soon as the ground can be worked into a fine loosened condition. Sow seed in drills $\frac{1}{2}$ inch deep and be sure to firm the soil down over the seed; this is absolutely essential to insure quick germination. The Seedtape method of planting will save you much time and labor and produce Beets much sooner than when seed is sown by hand. Plantings should be made every two weeks to insure a constant supply of young roots. Beets are most sweet and tender when from 1 to 2 inches in diameter.

CRIMSON GLOBE. The best round Beet for general use. A little later in maturing than

Extra-Early Egyptian, but keeps its flavor for a longer time. Flesh is rich crimson color, fine grained, tender, and

sweet. Loose seed, pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25. Seedtape, pkt. 10 cts., postpaid.

Detroit Dark Red Beet

DETROIT DARK RED. One of the best sorts for the home-garden. Roots are globular, uniform, and smooth. Skin is dark red and flesh a rich blood color. Tops are small and greenish red in color. Loose seed, pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50. Seedtape, pkt. 10 cts., postpaid.

EXTRA-EARLY EGYPTIAN. The best extra-early Beet. The flat turnip shaped roots mature quickly. Flesh is bright crimson and very tender, but has a tendency to become stringy with age. We would recommend that only the first two plantings be made with Extra-Early Egyptian, and all subsequent plantings with Crimson Globe or Detroit Dark Red for late or main crops. Loose seed, pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1. Seedtape, pkt. 10 cts., postpaid.

One packet each of the above three most popular varieties of garden Beets for 25 cts., postpaid.

MANGEL BEETS

An ounce of seed will sow 100 feet of row

Mangel Beets are excellent for cattle and chickens during the winter when other green food is not available. If you keep chickens you should surely plant one or two rows of Mangels in your garden. The roots may be stored for winter and fed either chopped up or whole.

GOLDEN TANKARD. Roots are large and nearly cylindrical in shape. Skin deep orange and flesh yellow, zoned yellow and white. Quite sweet and very productive. Loose seed, oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts., postpaid; 5 lbs. \$3, by express.

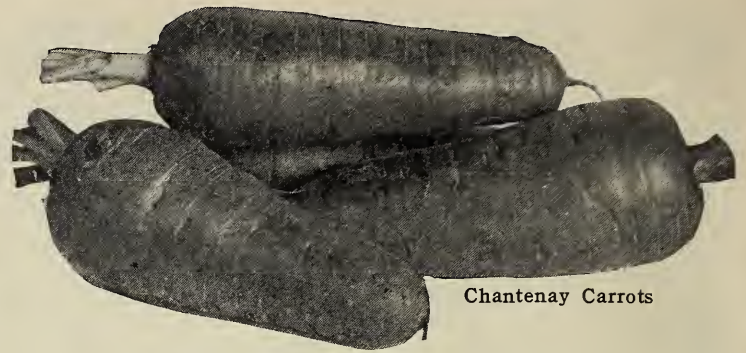
HALF-SUGAR ROSE. Roots are large and oval in shape. Has a higher percentage of sugar than the ordinary Mangel. Flesh is white. Loose seed, oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts., postpaid; 5 lbs. \$3, by express.

MAMMOTH LONG RED. The largest Mangel. Roots 15 to 18 inches long and 6 to 8 inches in diameter. Flesh is bright red and solid. Grows one-half above the ground and is easily harvested. Loose seed, oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. 90 cts., postpaid; 5 lbs. \$3.50, by express.

Mangel Beets in Seedtape

Any of the above varieties, 1,000 ft. \$1.60, 5,000 ft. \$7.50, 10,000 ft. \$14, by express. Note.—We cannot fill orders for less than 1,000 feet.

Mammoth Long Red Mangel-Wurzel



Chantenay Carrots

CARROTS

An ounce of seed will sow 100 feet of row

There is nothing quite so delicious and healthful as tender, early, spring Carrots creamed, and the mature roots may be stored for winter use, when they make a pleasing change from canned goods. Sow as early as the ground can be worked into a fine condition. Successive sowings should be made to insure a constant supply of small roots, as Carrots are more sweet and tender when quite small. The Seedtape method of planting is especially fine for Carrots, for it eliminates thinning out to a large degree. Care should be taken when planting Carrots to firm the soil down over the seed to insure a quick germination.

CHANTENAY. One of the best table Carrots. It matures early and at the same time remains tender and sweet for a long time.

Roots are about 4 to 5 inches long, and 2 to 2 $\frac{1}{2}$ inches in diameter. Loose seed, pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.10. Seedtape, pkt. 10 cts., postpaid.

DANVERS HALF-LONG. Matures about two weeks later than Chantenay. Roots are 2 to 2 $\frac{1}{2}$ inches in diameter and 5 to 6 inches long. While it is a very good table Carrot when young, it is also largely planted for feeding to cattle and chickens in the winter time. Gives a very large crop from a small plot of ground. Loose seed, pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.10. Seedtape, pkt. 10 cts., postpaid.

FRENCH FORCING. The earliest Carrot. Used extensively for forcing in greenhouses or hotbeds. Leaves are very small. Roots are almost round, 2 $\frac{1}{2}$ inches in diameter and orange-red in color. Finest quality for table use. Loose seed, pkt. 15 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.30, postpaid.

OXHEART, or GUERANDE. An excellent variety for growing in stiff, hard soils. Roots are short and blunt, being 3 to 4 inches in diameter and about 3 $\frac{1}{2}$ inches long. Tops are small. Largely used in places where it is not possible to loosen the soil to the depth of more than 4 inches. Loose seed, pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. 90 cts. Seedtape, pkt. 10 cts., postpaid.



Snowball Cauliflower

CAULIFLOWER

An ounce will grow about 3,000 plants

DWARF ERFURT. One of the best Cauliflowers to grow for either spring or fall. Last fall our strain of Erfurt was the only one of several different varieties to produce heads suitable for show purposes on the garden of a large private estate. Heads are of good size and are creamy white in color, with just enough leaves to keep the heads well blanched. Loose seed, pkt. 10 cts., $\frac{1}{2}$ oz. \$1.50, oz. \$2.50, $\frac{1}{4}$ lb. \$9, postpaid.

SNOWBALL. Finest early Cauliflower. Heads medium-large, compact, and pure white. Growth of entire plant is dwarf, with few upright leaves, lending themselves readily to tying over. Loose seed, pkt. 15 cts., $\frac{1}{2}$ oz. \$2, oz. \$3.50, $\frac{1}{4}$ lb. \$11, postpaid.

Was well pleased with your seeds last season. Will want some more the coming season. Mrs. C. A. Post, Chesterfield, N. H.

I was very much pleased with the seeds received from you last year. Had very good results from them. STANLEY ROBERTS, Slatington, Pa.

YOU GET YOUR MONEY BACK IF NOT SATISFIED WITH PAKRO SEEDS

SURE-HEADING CABBAGES

An ounce of seed will grow about 3,000 plants

Cabbage is so easy to grow and so useful that every garden should have thirty to forty heads each of an early and late variety. For early Cabbage, sow indoors or in a hotbed in February. Drills should be $\frac{1}{4}$ inch deep. When large enough to handle, they should be pricked out to stand 3 inches apart each way. If care is taken to harden off the plants by letting them have more and more of the cool spring air, they may be transplanted to the garden as soon as the ground can be worked. For fall and winter Cabbage, sow seed in May or early June. Early Cabbage need only be 15 to 18 inches apart, while the late varieties should be at least 2 feet apart in the row. Insects may be kept in check by spraying with an arsenate of lead solution before the heads have formed and by dusting with insect powders afterward.

EARLY JERSEY WAKEFIELD. One of the best early Cabbages. The heads are pyramidal, and when young are as tasty as cauliflower. They have few outside leaves and so can be planted comparatively close together. Loose seed, pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$3. Seedtape, pkt. 10 cts., postpaid.

ALL SEASONS. The best all-round Cabbage. When planted early in the spring, it lasts well up to fall, and when planted later makes an excellent Cabbage for storing for winter. Heads are large, round, and perfectly solid. An excellent shipping and market Cabbage. Loose seed, pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 90 cts., lb. \$3.25. Seedtape, pkt. 10 cts., postpaid.

PREMIUM FLAT DUTCH. The standard late sort for winter storing. Heads are round, flat, and very solid. It is at its best when planted as a late Cabbage in May or June, although it may be planted at the same time as the early varieties, for succession. Loose seed, pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 90 cts., lb. \$3.25. Seedtape, pkt. 10 cts., postpaid.



Early Jersey Wakefield Cabbage



Premium Flat Dutch Cabbage

COPENHAGEN MARKET. The best early round-headed variety, as it stands for a long time without bursting. Matures early in the season, being about a week later than Early Jersey Wakefield. Heads are round, solid, and have few outer leaves, so that it may be planted fairly close in the row. Loose seed, pkt. 15 cts., $\frac{1}{2}$ oz. 30 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, lb. \$5, postpaid.

DRUMHEAD SAVOY. Cabbage may be Cabbage, but still there is a difference in flavor, and Drumhead Savoy can only be compared to Cabbage in flavor in that it tastes something like Cabbage but in the same manner that cauliflower and brussels sprouts taste like Cabbage. Heads are round and solid and keep well through the winter. Leaves are finely crumpled and make a most pleasing appearance. Heads late and has numerous outer leaves. Should be planted rather far apart. Loose seed, pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.10, lb. \$4, postpaid.

SUCCESSION CABBAGE COLLECTION

Containing one packet each of Early Jersey Wakefield, early; All Seasons, mid-season; Premium Flat Dutch, late or main crop. All for 25 cts., postpaid.

BEAT THE WEATHER WITH FROST-PROOF CABBAGE PLANTS

Have head Cabbage two to three weeks earlier this year by planting Pakro Frost-Proof Cabbage Plants. These plants are raised on an island just off the coast of South Carolina. The seed is planted in midwinter and very often the temperature goes down to 14 or 16 degrees above zero. Due to this extreme coldness, the plants make very little top growth but the conditions are much harder than the greenhouse dig. Do not be disappointed if the plants look withered upon receipt as they will soon revive if planted immediately.

Special Instructions for Ordering Plants

Varieties supplied are Early Jersey Wakefield, Charleston Wakefield, Succession, and Early Flat Dutch. Prices by Parcel Post, prepaid, 50 cts. per 100, \$1.60 per 500, \$3 per 1,000. Please specify definitely variety desired, also when you want delivery.

NOTE.—No orders filled for less than 100 plants. Two, three, or four hundred plants supplied at the hundred rate. To take advantage of the 500 or 1,000 price you must order the full 500 or 1,000 of ONE variety.

We endeavor to ship all plants at the date specified, but sometimes weather conditions prevent our shipping plants for as long as a week at a time.

CELERY An ounce of seed will grow 4,000 plants

While Celery requires a little more care than most other vegetables, it is not difficult to grow. Seed should be sown in a finely prepared seed-bed in February or March, for early Celery, and in April for winter Celery. Sow seed thinly in drills $\frac{1}{2}$ inch deep and when plants are large enough to handle transplant to their permanent bed. Plants should be set 8 to 10 inches apart in the row. Blanch with earth, boards, or paper.

WHITE PLUME. Stalks are thick, crisp, and creamy white when blanched. One of the finest for summer or winter use. Loose seed, pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 90 cts., lb. \$3.25, postpaid.

GOLDEN SELF-BLANCHING. As near to self-blanching as Celery can be, and is undoubtedly the finest early Celery under cultivation. Plants are compact and stocky, with yellowish green stalks. Stalks solid and free from strings or fiber. Blanches very easily to a clear golden yellow. Loose seed, pkt. 15 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$1.80, lb. \$6, postpaid.

WINTER QUEEN. The finest winter or late variety. Medium height with broad, light green stalks. Blanches well to a clear white and is an excellent keeper. Stalks are crisp, solid, and free from strings. Loose seed, pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1, lb. \$3.25, postpaid.

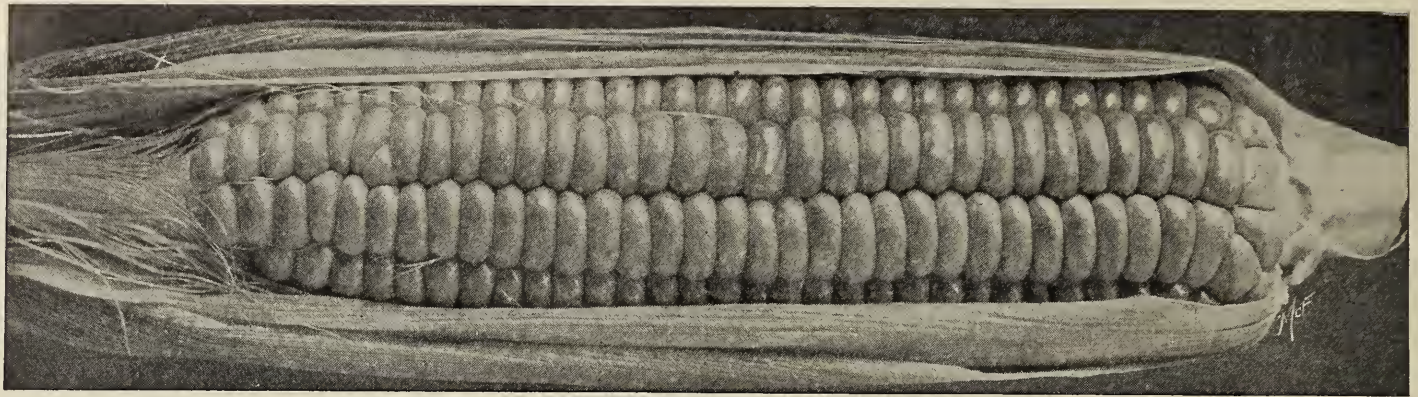
GIANT PASCAL. A compact and vigorous-growing variety and one of the best for winter use. Stalks are fairly short and upright, with dark green foliage. Stalks thick and very broad, blanching to a yellowish white. Loose seed, pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 90 cts., lb. \$3, postpaid.

CELERIAC, Giant Smooth Prague

A variety of Celery with large, swollen roots, like a turnip. May be grown as a Celery but does not blanch as easily as the other varieties; it is therefore grown mostly for the roots, which are very tender and sweet when cooked and served as creamed Celery. Loose seed, pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1, lb. \$3.25, postpaid.



Golden Self-Blanching Celery



Golden Bantam Sweet Corn

PAKRO SWEET CORN

A pound of seed will sow 100 feet of row, or 150 hills

For best results we advocate planting in blocks in rows. This insures complete pollenization of all the ears. The varieties listed on this page will follow each other in maturing, and if planted at the same time, in sufficient quantity, will give a continuous six-weeks' supply of fresh, delicious corn for your table. Plant 2 to 3 inches deep, thin out to 12 to 15 inches apart, and keep well cultivated. Sweet Corn seed is tender and should not be planted until the ground is thoroughly warmed.

GOLDEN BANTAM. The sweetest, tenderest, and most succulent Corn in existence. Its popularity has so increased that one often finds "Golden Bantam Sweet Corn" listed on the hotel menus. Few other vegetables can claim such a distinction. The Pakro strain is purest northern-grown seed. Ears are from 5 to 6 inches long and of a clear golden yellow color. Flavor is very sweet. Very prolific, often bearing two ears to a stalk. Loose seed, $\frac{1}{4}$ lb. pkt. 15 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., postpaid; 5 lbs. \$1.75, by express.



Howling Mob Sweet Corn

GOLDEN GIANT. A giant Golden Bantam. For complete description, turn to Season's Leading Novelties, page 3. Loose seed, $\frac{1}{4}$ lb. pkt. 20 cts., $\frac{1}{2}$ lb. 30 cts., lb. 45 cts., postpaid; 5 lbs. \$2, by express.

HOWLING MOB. The story runs that when this Corn was first offered by a market-gardener to his trade, they literally became a "howling mob," so enthusiastic did they become over its fine qualities. In season it is a second-early Corn, pure white, and one of the best. Ears 8 to 10 inches long and generally fourteen-rowed. Grains rather broad and deep and exceptionally sweet. Loose seed, $\frac{1}{4}$ lb. pkt. 15 cts., $\frac{1}{2}$ lb. 25 cts., lb. 35 cts., postpaid; 5 lbs. \$1.50, by express.

MAMMOTH WHITE CORY. The standard, early, market-gardener's variety. The largest eared, extra-early Corn. Ears 7 to 8 inches long; twelve rowed; quite sweet and very tender. Stalks are dwarf, about 4 feet high, and usually bear two ears. If you aim to make a little extra money by selling some of your garden produce, you should plant some of this variety. Loose seed, $\frac{1}{4}$ lb. pkt. 15 cts., $\frac{1}{2}$ lb. 20 cts., lb. 35 cts., postpaid; 5 lbs. \$1.50, by express.

METROPOLITAN. An exceedingly fine first-early, white Sweet Corn. Ears are large, 8 to 9 inches long, and have ten or twelve rows. Grains are quite deep, sweet, and tender. Loose seed, $\frac{1}{4}$ lb. pkt. 15 cts., $\frac{1}{2}$ lb. 25 cts., lb. 35 cts., postpaid; 5 lbs. \$1.50, by express.

COUNTRY GENTLEMAN. An old-time favorite, once called "Shoe Peg" because of the irregularity of the rows and the similarity of the grains to old-fashioned pegs. A main-crop variety ripening about eight days later than Metropolitan. Grains are plump, milky, and very tender and sweet. Very prolific, often bearing three ears to a stalk. Loose seed, $\frac{1}{4}$ lb. pkt. 15 cts., $\frac{1}{2}$ lb. 25 cts., lb. 35 cts., postpaid; 5 lbs. \$1.50, by express.

STOWELL'S EVERGREEN. Late or main-crop variety, maturing about a week later than Country Gentleman. Ears are large, being 8 to 9 inches long and having fourteen or sixteen rows. Grains are narrow, deep, very sweet and milky. An excellent Corn for ending up the season. It has fine keeping and shipping qualities and is much used by market-gardeners. Loose seed, $\frac{1}{4}$ lb. pkt. 15 cts., $\frac{1}{2}$ lb. 25 cts., lb. 35 cts., postpaid; 5 lbs. \$1.50, by express.

Keep Your Plants Healthy

Don't let insect pests and fungous diseases get a start in your garden. Be prepared to combat them at their first appearance. The best insecticides and fungicides are listed on page 31.

Can Your Own Sweet Corn

Home canned Sweet Corn is infinitely better than store goods. Don't let any of your Corn go to waste. Corn that is a little old to eat makes excellent canned Corn. We will supply recipe if you haven't one of your own.

All Season Sweet Corn Collection

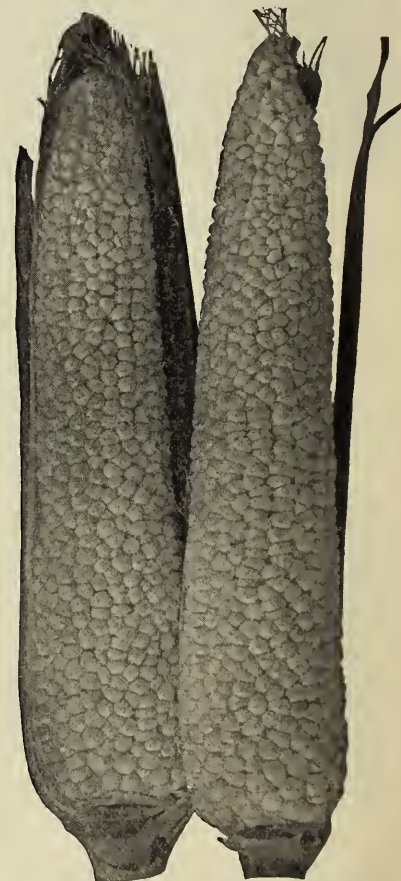
Four selected varieties that follow each other in maturity so that a continuous supply is assured. In localities where Corn can be planted early (middle or end of April) we would advise ordering two collections, one to plant early and the other to plant in six weeks' time.

GOLDEN BANTAM	COUNTRY GENTLEMAN
METROPOLITAN	STOWELL'S EVERGREEN
Collection, $\frac{1}{4}$ lb. pkt. of above	50 cts., postpaid
Collection, $\frac{1}{2}$ lb. of above	85 cts., postpaid
Collection, lb. of above	\$1.30, postpaid

CORN SALAD

An ounce of seed will sow 150 feet of row

LARGE ROUND. Corn Salad makes an excellent early fall salad when lettuce is sometimes hard to obtain. Plant seed in drills $\frac{1}{2}$ inch deep, any time up to September 1. Plants should be thinned out to stand 3 to 4 inches apart in the row. Seedtape will save a lot of time in planting and thinning out. Loose seed, pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25. Seedtape, pkt. 10 cts., postpaid.



Country Gentleman Sweet Corn

OUR "ALL-SEASON" COLLECTION WILL SUPPLY YOU FRESH SWEET CORN ALL SUMMER LONG

PAKRO CUCUMBERS

An ounce of seed will sow 50 hills

Cucumbers are so indispensable for preparing salads in the summer time and for making pickles for winter use that they should be in every garden. They are very prolific and easy to grow and there is no reason why you should pay the high prices demanded for them at the stores when a small amount of money expended for seed and a little labor will supply you with better and fresher fruits. Cucumber seed should not be planted until the last week in May. Sow seed 1/2 inch deep, in hills 4 feet apart each way. It is best to sow quite a number of seeds to a hill (as insect pests often attack the young plants), thinning out later to the best four plants. Keep the fruit picked and lengthen the season of productiveness.

EXTRA-EARLY WHITE SPINE. An extra-early variety having dark green skin and rather round, blunt fruits. Flesh is firm and tender. Being an extra-early sort, it will not bear throughout the season and therefore is best when planted in conjunction with Early Fortune. Loose seed, pkt. 10 cts., oz. 15 cts., 1/4 lb. 40 cts., lb. \$1.25, postpaid.

EARLY FORTUNE. Early, productive, and disease-resistant. Early Fortune reaches the utmost of perfection for Cucumbers. Fruits are 9 inches long when mature and taper slightly toward the ends. Flesh pure white, of fine texture, and very crisp; has but few seeds. The skin is a rich, dark green which does not fade in keeping or shipping. Loose seed, pkt. 10c., oz. 20 cts., 1/4 lb. 50 cts., lb. \$1.50, postpaid.

BOSTON PICKLING. A vigorous grower and very productive. Fruits are short, smooth, and symmetrical in shape. Skin bright green. Makes fine pickles. Loose seed, pkt. 15 cts., oz. 20 cts., 1/4 lb. 50 cts., lb. \$1.50, ppd. One full-size packet each of above selected Cucumbers for 30 cts., ppd.



Extra-Early White Spine Cucumbers

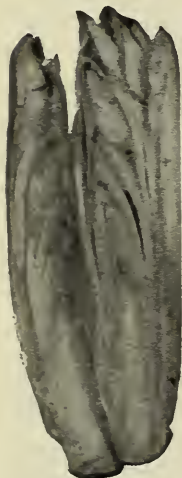
ENDIVE *An ounce of seed will sow 200 feet of row*

Endive makes an excellent and "different" salad in the cool fall months. Leaves have a slightly bitter, though pleasing taste, not unlike a dandelion. Sow seed any time from April until July, in drills 1/2 inch deep. Thin out to stand 4 to 5 inches apart. To blanch, tie the leaves together over the top, but be sure the plants are dry, as they will rot very quickly if tied up when wet. The use of Seedtape will eliminate a lot of thinning out.

GREEN CURLED. Makes a dense rosette of finely curled, deeply cut green leaves; easily blanched to a creamy white by tying. Loose seed, pkt. 10 cts., oz. 20 cts., 1/4 lb. 50 cts. Seedtape, pkt. 10 cts., ppd.

BROAD-LEAVED BATAVIAN. Preferred by many to Green Curled. Leaves broad, rather twisted and curved, and of natural, upright growth, making tying easy. They are bright, deep green, blanching easily to a pure creamy white. Loose seed, pkt. 10 cts., oz. 20c., 1/4 lb. 50 cts., postpaid.

FRENCH ENDIVE (WITLOOF; CHICORY). This is delectable salad served much in restaurants, and which rather resembles asparagus in shape, excepting that it is made up of tightly folded, elongated leaves. Seed should be planted in June and the young plants thinned out to stand not closer than 3 inches. In the fall, lift the plants, cut off leaves about an inch from the root, and force in soil in a warm, dark cellar, hotbed, or under a greenhouse bench. Loose seed, pkt. 15 cts., oz. 25 cts., 1/4 lb. 75 cts., postpaid.

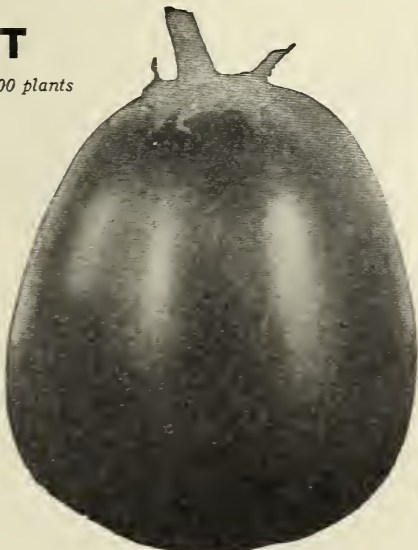


French Endive

EGGPLANT

An ounce of seed will grow about 1,000 plants

BLACK BEAUTY. A dozen Eggplant plants will keep the average family well supplied, and because of their productiveness for the small amount of space required, they should be in every garden. Start indoors in February or March and transplant to their permanent bed when danger from frost is past. Black Beauty is the best sort. It matures early and bears throughout the season. Fruits are of large size and rich purplish black in color. Finest quality. Loose seed, pkt. 10 cts., 1/2 oz. 30 cts., oz. 60 cts., 1/4 lb. \$1.75, postpaid.



Black Beauty Eggplant

I have had great success with your Seedtape.—GEORGE H. ROESCH, Denver, Colo.

I have had the best garden from your seeds that I have ever had.—G. W. FOOTE, Athens, Mich.

HERBS, Medicinal and Pot

Herbs thrive best in a rich, mellow soil. Plant early in the spring, in drills 1/2 inch deep, and when large enough to handle thin out or transplant to stand at least 15 inches apart. To cure, cut on a warm, dry day, tie in small bunches, and hang in a convenient place where they will dry quickly.

ANISE. Annual. Used for garnishing and flavoring. Loose seed, pkt. 10 cts.

BASIL, SWEET. Annual. Leaves used as flavoring for soups, sauces, etc. Loose seed, pkt. 10 cts.

CARAWAY. Annual. Seeds used for flavoring. Loose seed, pkt. 10 cts.

CATNIP. Perennial. Used as a medicine. Cats take particular delight in it. Loose seed, pkt. 10 cts.

DILL. Annual. Used for pickling cucumbers. Loose seed, pkt. 10 cts.

FENNEL, SWEET. Perennial. Used as flavoring in soups, sauces, etc. Loose seed, pkt. 10 cts.

SAGE. Perennial. Used for flavoring. Loose seed, pkt. 10 cts.

SAVORY, WINTER. Perennial. Used for seasoning. Loose seed, pkt. 10c.

THYME, BROAD-LEAVED ENGLISH. Perennial. Leaves are used for seasoning sauces and dressings. Loose seed, pkt. 10 cts.

KALE *An ounce of seed will produce 3,000 plants*

DWARF CURLED SCOTCH. A very fine fall and winter vegetable. The leaves are finely wrinkled and curled and have a taste resembling cabbage. Plant outdoors in May or June. Sow seed in drills 1/2 inch deep, thinning out later to 8 to 10 inches apart. Frost will not kill Kale but will give it a better flavor; it may even be dug out from under the snow and eaten. Loose seed, pkt. 10 cts., oz. 20 cts., 1/4 lb. 50 cts., lb. \$1.50. Seedtape, pkt. 10 cts., postpaid.

KOHLRABI

An ounce of seed will sow 200 feet of row

WHITE VIENNA. A very delicious and productive member of the cabbage family. The edible part is the swollen, turnip-like stem, which is borne just above the ground. Seed may be sown as early as the ground can be worked into a good loose condition. Sow in drills 1/2 inch deep and thin out to stand 2 to 3 inches apart. If Seedtape is used no thinning will be necessary. Sowings should be made every two weeks for succession. Loose seed, pkt. 10 cts., oz. 25 cts., 1/4 lb. 75 cts., lb. \$2.25. Seedtape, pkt. 10 cts., postpaid.

LEEK

An ounce of seed will sow 100 feet of row

LARGE FLAG. Leek resembles an Onion without the swollen bulb at the bottom, and the flavor is much milder and more pleasing to the taste. Seed may be sown at any time after the frost is out of the ground. Blanch by pulling up the soil on all sides of the plants. Loose seed, pkt. 10 cts., oz. 25 cts., 1/4 lb. 75 cts., lb. \$2.25. Seedtape, pkt. 10 cts., postpaid.



Large Flag Leek

PAKRO FINEST LETTUCE

An ounce of seed will sow 200 feet of row

Instead of being strictly a summer dish, Lettuce has now become a year-round vegetable. Lettuce seed may be sown in the open ground just as soon as the soil can be worked into a good loose condition, or it may be started indoors in boxes or in a hotbed and transplanted as soon as conditions permit. Sow the seed thinly in drills $\frac{1}{2}$ inch deep and thin out when the plants have reached a size large enough to handle to at least 3 inches between plants. To produce the finest heads, Lettuce must have plenty of room, and 8 to 10 inches between plants is not too much. Seedtape is especially fine for Lettuce, as seed planted in this manner will not require thinning out until the plants have reached a size such as can be used for bunch Lettuce. The varieties listed on this page were especially selected for sure heading qualities and for their edibility. Lettuce should be sown every three weeks during the summer, for succession.

NEW YORK or WONDERFUL. Ranks a close second to Big Boston in quantity grown for market. It is extremely large-heading, crinkly leaved variety measuring from 12 to 15 inches across and weighing as high as three pounds. The outer leaves are a rich, dark green and fold tightly over the heart, blanching it to a creamy whiteness. It withstands hot weather well and will produce splendid heads in spring, summer, or fall. Loose seed, pkt. 15 cts., oz. 30 cts., $\frac{1}{4}$ lb. 90 cts., lb. \$3.25, postpaid.

EARLY CURLED SILESIA. A loose heading, very early variety. Leaves rather short and broad, much crumpled and fringed along the outer edges, light green in color; tender, crisp and sweet. Loose seed, pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25, postpaid.

BIG BOSTON. The growing of Big Boston Lettuce is so general throughout the country that it ranks a close second to Golden Bantam sweet corn in being known to more people than other vegetables. The heads are large and round, light green outside and a golden yellow in the center. It is a sure header and stands long shipping well. Loose seed, pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50. Seedtape, pkt. 10 cts., postpaid.



Big Boston Lettuce

BLACK-SEEDED SIMPSON. Almost as popular among growers as Big Boston, though not so well known to the general public. It is a loose-heading variety. Leaves are very crumpled and blistered, forming a small head at center. Its quality is excellent, being very sweet and crisp. Loose seed, pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.40. Seedtape, pkt. 10 cts., postpaid.

MIGNONETTE. One of the finest of the very early Lettuces. Heads are small, about the size of a tennis ball, but with a flavor that surpasses any Lettuce we know. Outside leaves are deep green with a reddish tinge at the edges; the heart is creamy white. Loose seed, pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50. Seedtape, pkt. 10 cts., ppd.

SALAMANDER. Or Black-Seeded Tennisball as it is now more generally called, is one of the oldest varieties of Lettuce. Heads are fairly large and solid. Outside leaves are light green, inner leaves blanching. Salamander does equally well, spring, summer, or fall. Loose seed, pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.40. Seedtape, pkt. 10 cts., postpaid.

TRIANON COS. The leaves of Trianon Cos are spoon-shaped. Forms well-shaped oval heads with inner leaves finely blanching. Flavor is somewhat bitter, like a dandelion, but nevertheless pleasing. An excellent Lettuce to serve with salads and for garnishing. Loose seed, pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25. Seedtape, pkt. 10 cts., ppd.

MUSTARD

An ounce of seed will sow 100 feet of row

SOUTHERN CURLED. Delicious as summer or fall greens. Leaves are large, light green in color, and very crumpled and fringed at the edges. One of the best greens for late summer and fall use as it withstands the heat well. Loose seed, pkt. 10 cts., oz. 15c., $\frac{1}{4}$ lb. 45 cts., lb. \$1.35, postpaid.

MUSHROOM SPAWN

10 bricks will spawn 10 square feet

Pure American Culture Spawn in bricks from the oldest grower of Mushroom Spawn in this country. It grows larger, finer Mushrooms than the English variety. Shipments are received at frequent intervals so that our Spawn is always fresh and sure to grow. Weight of bricks varies between a pound and a pound and a half. *Cultural leaflet sent free with each order.* Brick 35 cts., 10 bricks \$3, 25 bricks \$6.50, 100 bricks \$24, all shipping charges prepaid.

Seedtape Simplifies Lettuce Planting

Lettuce seed, when loose, is quite difficult to distribute evenly in the row—in some places it will be much too thick and in others too thin. With Seedtape the seeds are spaced evenly for the full length of the row. You just plant the tape at the proper depth (about $\frac{1}{2}$ inch), cover with soil, and firm down. Some little thinning out will be necessary as we must put enough seed in each space to insure at least one coming up, but they need not be thinned until big enough to pull for bunch Lettuce or plants for transplanting.



New York Lettuce

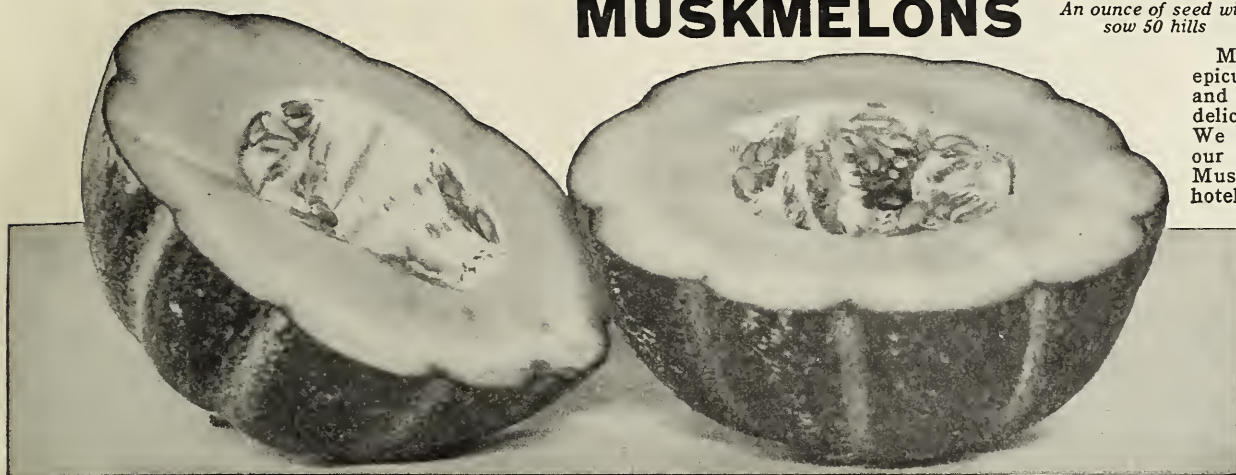


Mushroom Spawn

EVEN A LITTLE GARDEN WILL YIELD A BOUNTIFUL SUPPLY OF FRESH VEGETABLES

MUSKMELONS

An ounce of seed will sow 50 hills



Emerald Gem Muskmelon

Muskmelons and peaches are the epicurean's favorite late summer and early fall delicacies. Both are delicious if you can get them fresh. We cannot all have peach trees in our back yards but we can have Muskmelons, and no ice-cooled hotel melon is ever so sweet and tasty as a vine-ripened one picked fresh from your own garden. Plant seeds 1/2 in. deep, in hills 4 feet apart each way, when all danger from frost is past. When plants are 4 to 5 inches high, thin out to the best three or four plants. For best results dig holes 6 to 8 inches deep, fill with rotted manure and cover with soil. Make the hills on these especially prepared spots, and, after the manure has stopped heating, plant the seeds.

EDWARD'S PERFECTO. The finest melon yet introduced. Complete description will be found among Season's Leading Novelties, page 3. Loose seed, pkt. 20 cts., oz. 35 cts., 1/4 lb. \$1, lb. \$3.50, postpaid.

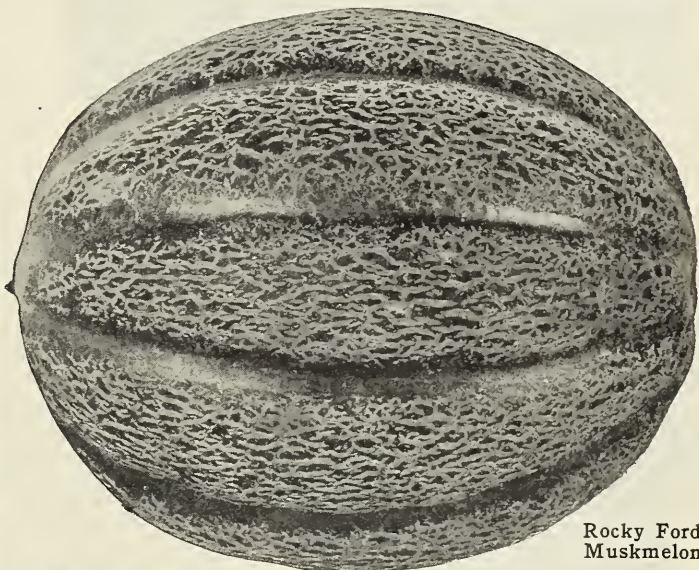
EMERALD GEM. Skin is a rich, dark green, slightly netted. The flesh is salmon-colored, sweet, juicy, and very tender. It is one of the earliest melons to ripen. An excellent sort for nearby markets but is too tender for distant shipping. Excellent flavor. Loose seed, pkt. 10 cts., oz. 20 cts., 1/4 lb. 50 cts., lb. \$1.50, postpaid.

FORDHOOK. A medium-sized round melon, flattened at the ends, ribbed and heavily netted. Flesh is orange-yellow and very sweet. Largely sold in city and country markets. Why not raise some yourself instead of buying them? Loose seed, pkt. 10 cts., oz. 20 cts., 1/4 lb. 50 cts., lb. \$1.50, postpaid.

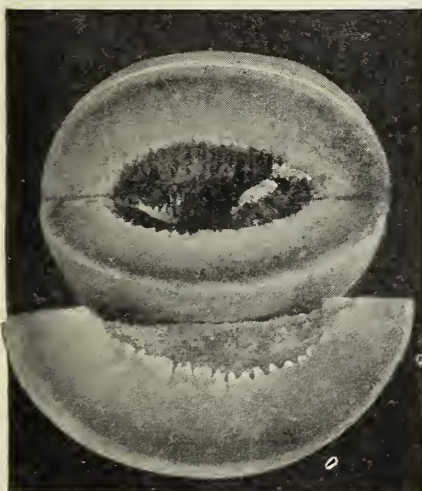
HONEY DEW. An excellent melon for fall and early winter use. Melons are oval in shape, thick-skinned, so that they ship for long distances or can be laid away for winter use. Flesh is very sweet with a fine honey-like flavor. Does best when grown south of Pennsylvania. Can be grown successfully farther north by starting the seeds in sod indoors so that the seedlings need not be disturbed when transplanted. Transplant outdoors after all danger from frost is past. Loose seed, pkt. 15 cts., oz. 25 cts., 1/4 lb. 75 cts., lb. \$2.25, postpaid.

EXTRA-EARLY HACKENSACK. An extra-early green-fleshed melon. Fruits are heavily netted, ribbed and flattened at the ends. The melons are large in size, often weighing five to six pounds. Flesh is sweet and tender. Loose seed, pkt. 10 cts., oz. 20 cts., 1/4 lb. 50 cts., lb. \$1.50, postpaid.

ROCKY FORD. An oblong, late or main-crop melon. Flesh is green and exceedingly sweet and tender. Stands shipping well and will keep for a long time after ripening. This is one of the main varieties grown by market-gardeners. Loose seed, pkt. 10 cts., oz. 15 cts., 1/4 lb. 45 cts., lb. \$1.40, postpaid.



Rocky Ford Muskmelon



Honey Dew Muskmelon

WATERMELONS

An ounce of seed will sow 30 hills

Watermelons were more popular last year than ever. They are delicious, healthful, easy to grow, and should be in every garden. Use the same cultural directions as for muskmelons, excepting that the hills should be 6 to 8 feet apart.

SWEETHEART. One of the best round melons. Fruits mature early. Skin is light green, slightly mottled. Flesh is solid and bright red in color. Sweetheart is one of the finest flavored Watermelons. Loose seed, pkt. 10 cts., oz. 15 cts., 1/4 lb. 30 cts., lb. 90 cts., postpaid.

KLECKLEY SWEETS. The best large Watermelon to grow in the home-garden. Melons are of large size, about 18 inches long and 10 inches in diameter. Matures early and therefore one of the best for northern sections. Skin is dark green. Flesh is bright red; flavor excellent. Loose seed, pkt. 10 cts., oz. 15 cts., 1/4 lb. 35 cts., lb. \$1.10, ppd.

TOM WATSON. A fine oblong Watermelon, excellent for either home- or market-gardens. Skin dark green, with lighter netting. Flesh bright red and very sweet. Thin rind but solid so that it can be shipped. Loose seed, pkt. 10 cts., oz. 15 cts., 1/4 lb. 35 cts., lb. \$1.10, ppd.

FORDHOOK EARLY. An extra-early variety especially adapted for use in home-gardens. Melons are nearly round, skin dark green, mottled darker. Flesh bright red. Very sweet and sugary. Loose seed, pkt. 10 cts., oz. 15 cts., 1/4 lb. 35 cts., lb. \$1.10, postpaid.



Kleckley Sweets Watermelon

OKRA

An ounce of seed will sow 30 feet of row

WHITE VELVET. Okra, or Gumbo is a delicious vegetable. It is used for soups and canning and is also excellent when stewed and served with butter. White Velvet pods are round and smooth, extremely tender, and abundantly produced. Do not plant the seeds until the ground has become thoroughly warmed. Loose seed, pkt. 10 cts., oz. 15 cts., 1/4 lb. 35 cts., lb. \$1.10, postpaid.

PERKINS LONG-POD. Pods are 4 to 5 inches long, slender, and deep green in color. Very vigorous and productive. Loose seed, pkt. 10 cts., oz. 15 cts., 1/4 lb. 35 cts., lb. \$1.10, postpaid.

ONIONS FROM SEED

An ounce of seed will sow 100 feet of row

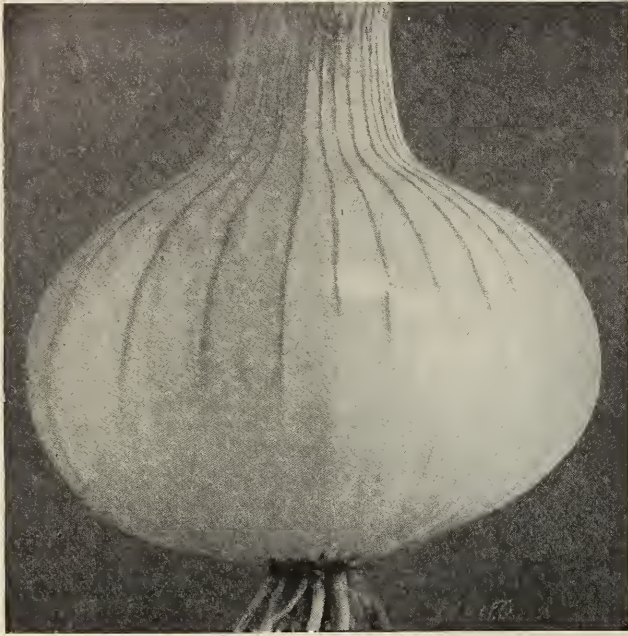
The Onion is another all-year-round vegetable, so easy to grow and keep that it is remarkable everybody does not realize that a year's supply can be grown in the home-garden. Onions are not difficult to grow from seed, and although sets are handy to plant for spring scallions, Onions produced from sets do not keep nearly as well as those produced from seeds and do not have so fine a flavor.

Onion seed culture is the simplest. Sow as early in the spring as the ground can be worked into a fine, loose condition in drills not more than $\frac{1}{2}$ inch deep. When large enough, thin out to stand at least 1 inch apart, and as Onions are pulled during the summer, pull every other one instead of straight up the row. This allows those remaining to mature to their full size for winter storing. We cannot recommend too strongly the planting of Onions with Seedtape, as the even spacing of seeds in the tape makes it very easy to do what little thinning out is necessary.

GIGANTIC GIBRALTAR. On the order of Prizetaker, but larger and milder. Perfect globe shape, extremely large, with straw-colored skin and pure white flesh. Gigantic Gibraltar is very vigorous, hardy, disease-resistant, and will stand bad weather well. Start a few indoors in March, transplant in the latter part of April, and you will be surprised at the size of Onions obtained. Loose seed, pkt. 15 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1, lb. \$3.25, postpaid.

PRIZETAKER. One of the largest Onions that can be grown successfully in this section. Bulbs are round, nearly globular in shape, and measure from 3 to 4 inches in diameter. Outer skin is straw-color; flesh white. Flavor is exceedingly mild and sweet, making it a delicious Onion for boiling and for salads. Matures late and winters very well. Loose seed, pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.50. Seedtape, pkt. 10c., ppd.

STIMUPLANT
Makes a
WONDER GARDEN



Prizetaker Onion

RED WETHERSFIELD. The best and largest red Onion. Flesh is tinged with red and has a strong, pungent Onion flavor. Bulbs are hard, solid and keep well. This is an excellent Onion to use for flavoring and for making pickles. Loose seed, pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50. Seedtape, pkt. 10 cts., postpaid.

SOUTHPORT WHITE GLOBE. (Illustrated in natural colors on back cover.) Bulbs are perfect globe-shaped, very large, heavy, and solid. Outer skin is pure white. Flesh is white and firm, flavor sweet and pleasing. Loose seed, pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$4. Seedtape, pkt. 10 cts., postpaid.

SOUTHPORT YELLOW GLOBE. (Illustrated in natural colors on back cover.) By many gardeners this is considered the best of the yellow Onions. In size it varies from medium to large. The skin is yellow and flesh pure white. It is perfect globe-shaped. As a keeper has few superiors. We advise trying this variety among others this spring. Loose seed, pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50. Seedtape, pkt. 10 cts., postpaid.

SOUTHPORT RED GLOBE. (Illustrated in natural colors on back cover.) The handsomest red Onion grown. Bulbs are also perfectly globe-shaped but purplish red in color. Inner flesh is tinged red and has a pungent flavor. This variety is much used by market-gardeners, due to its keeping and selling qualities. Loose seed, pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 90 cts., lb. \$3. Seedtape, pkt. 10 cts., postpaid.

WHITE PORTUGAL. There is no general market- or home-garden variety that makes a more delightfully flavored "scallion" or young boiling Onion than White Portugal, or Silverskin, as it is sometimes called. It is the prime favorite for pickling. Bulbs are pure white, both as to skin and flesh, and the flavor is sweet and mild. It is too tender to store for winter use but makes an excellent summer Onion. Loose seed, pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 90 cts., lb. \$3. Seedtape, pkt. 10 cts., postpaid.

YELLOW GLOBE DANVERS. This is the most popular and most extensively grown variety of Onion, being of attractive and uniform shape, mild but full-flavored, rapid in maturing, and an exceptionally good keeper. It is a beautiful straw-color, with a very small neck and clean, solid flesh throughout. Loose seed, pkt. 10c., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50. Seedtape, pkt. 10c., ppd.

COLLECTION: One pkt. each any three of the above varieties best Onion seed, your own selection, for 25c., 2 collections, 50c., ppd.

Onion Sets

One quart will sow about 50 feet of row

Easiest and quickest way to grow Onions either for scallions or large summer bulbs. However, the bulbs are not as solid as those produced from seed and will not keep as well during the winter. It is better to sow both the seeds and sets for succession.

Red Sets, qt. 30 cts., postpaid; $\frac{1}{2}$ pk. \$1.10, pk. \$2, by express.
White Sets, qt. 35c., postpaid; $\frac{1}{2}$ pk. \$1.25, pk. \$2.25, by express.
Yellow Sets, qt. 30 cts., postpaid; $\frac{1}{2}$ pk. \$1.10, pk. \$2, by express.

Prices on larger quantities on request



Scallions of White Portugal

DOUBLE CURLED. Parsley is so generally used for flavoring and garnishing that it needs no description. Our strain of Double Curled is very fine. Leaves are curled and wrinkled and borne well off the ground. Plant as early in the spring as the ground can be worked. Sow seed in drills $\frac{1}{2}$ to 1 inch deep. Parsley is very slow to germinate, so it is a good plan to sow a few quick-growing seeds, such as radish, with the Parsley to mark the row. Loose seed, pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25, postpaid.

PARSNIP

An ounce of seed will sow 150 feet of row

HOLLOW CROWN. (See color illustration on back cover.) An excellent vegetable that may be left in the ground all winter; in fact, freezing improves the flavor. Sow in drills $\frac{1}{2}$ - to 1 inch deep. Hollow Crown is the standard variety, and our strain is noted for its exceptionally long, smooth roots. To produce the best Parsnips it is necessary to loosen the soil to a depth of at least 10 inches. Seedtape will practically eliminate thinning out. Loose seed, pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$2. Seedtape, pkt. 10 cts., postpaid.



Hollow Crown Parsnips

ORDER YOUR SEEDS EARLY AND AVOID BUSY SEASON DELAYS

GARDEN PEAS

A pound of seed will sow 50 feet of row

Peas have always been the favorite early summer vegetable, partly because they can be planted very early and therefore can be had early and partly because they are very easy to grow, but mostly because of their delicious flavor. Canned Peas or "store Peas" can never equal those that you grow, care for, and pick yourself. Peas may be planted any time after the frost is out of the ground until July 1, and, where summer is cool, until August 1. Sow the seeds in drills 2 to 3 inches deep. Rows should be at least 2½ feet apart. A good plan is to plant them (especially the dwarf-growing sorts) in double rows, that is, two rows 10 to 12 inches apart, then a space of 3 feet, and then two more rows 10 to 12 inches apart. This saves space and the two rows will help to support each other. The tall-growing sorts, such as Telephone, should have supports of some kind to keep them off the ground. The cheapest and best support is brush, although string or wire may be used.

Pakro Peas are the finest strains obtainable. The varieties listed below were selected after viewing hundreds of trials of different varieties and we are convinced that they are the best sorts for both the home-garden and commercial growers.

EARLIEST OF ALL. The finest extra-early Pea. Seeds are just as soon as the ground can be worked into a good condition. This is an excellent variety to plant for a first early, as all the pods will mature at practically the same time and so give an abundance of Peas when you most want them. Loose seed, ¼lb. pkt. 15 cts., ½lb. 20 cts., lb. 30 cts., postpaid; 5 lbs. \$1.25, by express.

GRADUS. We have never eaten Peas that were sweeter or of finer quality than Gradus. It is a medium tall-growing, wrinkled, extra-early Pea. The seed, though wrinkled, is fairly hardy and may be planted quite early. Vines are tall and may be supported by brush, but this is not necessary. Pods are borne singly all over the vine from bottom to top, are about 4 inches long and contain six to eight Peas. One of the finest Peas for the home-garden. Loose seed, ¼lb. pkt. 15 cts., ½lb. 25 cts., lb. 45 cts., postpaid; 5 lbs. \$1.90, by express.

THOMAS LAXTON. An early, wrinkled, large-podded variety much resembling Gradus in growth, except that the vines are a deeper green and the pods blunt instead of pointed at the ends. Very prolific and bears large pods well filled with Peas of delicious flavor. Loose seed, ¼lb. pkt. 20 cts., ½lb. 30 cts., lb. 50 cts., postpaid; 5 lbs. \$2, by express.

LITTLE GEM. A dwarf-growing, wrinkled, extra-early Pea. Vines are about 15 inches in height and bear a profusion of pods. Pods are about 2½ inches long and usually contain from five to six fat, plump Peas of excellent flavor. Seeds are wrinkled and should not be planted until the weather has become settled. This variety is a favorite with home-gardeners because of its flavor and productiveness. Loose seed, ¼lb. pkt. 15 cts., ½lb. 25 cts., lb. 35 cts., postpaid; 5 lbs. \$1.50, by express.

BLUE BANTAM. The finest, dwarf, extra-early, large-podded variety. For complete description, refer to Season's Leading Novelties on page 3. Loose seed, ¼lb. pkt. 20 cts., ½lb. 30 cts., lb. 50 cts., postpaid; 5 lbs. \$2, by express.

NOTT'S EXCELSIOR. Dwarf early. Plants are very dwarf, scarcely exceeding 12 inches in height. It is very productive, however, and bears a profusion of pods throughout an extended period—three and even four pickings are not unusual. Pods are about 3 inches long, blunt and round, contain from five to six light green, round Peas of excellent quality. Many

of our customers like this variety so well that it is the only one they plant. Wrinkled seed. Loose seed, ¼lb. pkt. 15 cts., ½lb. 25 cts., lb. 40 cts., postpaid; 5 lbs. \$1.75, by express.

TELEPHONE. One of the oldest varieties of Peas in this country, and although many varieties have been introduced with the hope of superseding it, it still remains the standard late variety. Exquisite in flavor, it produces pods of prodigious size, filled to bursting. The vines fairly bend with the weight of the crop. Vines are about 5 feet high but are quite sturdy and need comparatively little support. Wrinkled seed. Loose seed, ¼lb. pkt. 15 cts., ½lb. 25 cts., lb. 40 cts., postpaid; 5 lbs. \$1.75, by express.

SUCCESSION PEA COLLECTION

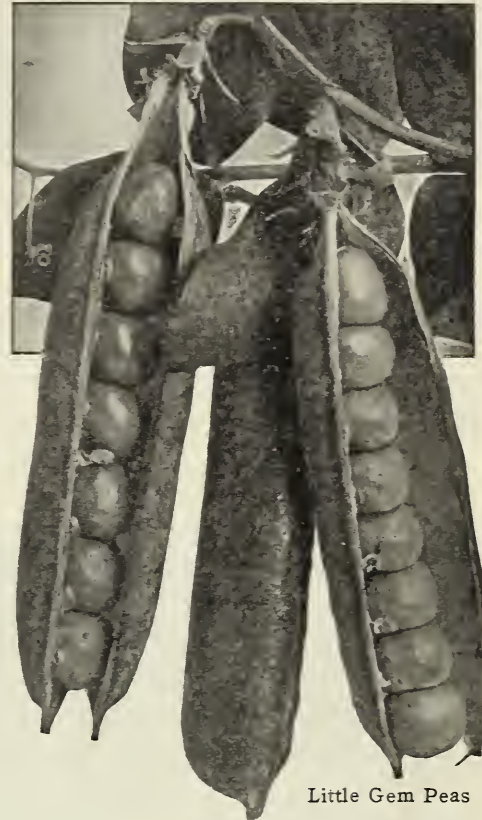
If you plant the four varieties of Peas listed below on the same day, you are assured a supply of Peas for a period of from five to six weeks, depending on the season.

**EARLIEST OF ALL
GRADUS**

**NOTT'S EXCELSIOR
TELEPHONE**

1 pkt. of each of the above, 50 cts. postpaid
½lb. of each of the above, 85 cts. postpaid
1 lb. of each of the above, \$1.40 postpaid

INOCULATE THIS SEED WITH FARMOGERM



Little Gem Peas

CHAMPION OF ENGLAND. This is a green wrinkled variety, justly famous for its superb quality and tender and rich marrow-like flavor. The pods are of medium size, but well filled. It is a very tall grower, averaging about 4 feet in height and needs support. Loose seed, ¼lb. pkt. 15c., ½lb. 25c., lb. 45c., postpaid; 5 lbs. \$2, by express.

PUMPKINS

CONNECTICUT FIELD. Most generally used for planting in corn for stock-feeding during the winter but also makes excellent pies. Fruits are oblong. They grow to a good size, often being 10 inches in diameter and 15 inches long. Reddish orange in color. Flesh, rich orange-yellow. Loose seed, pkt. 10 cts., oz. 15 cts., ¼lb. 35 cts., lb. \$1.10, postpaid.

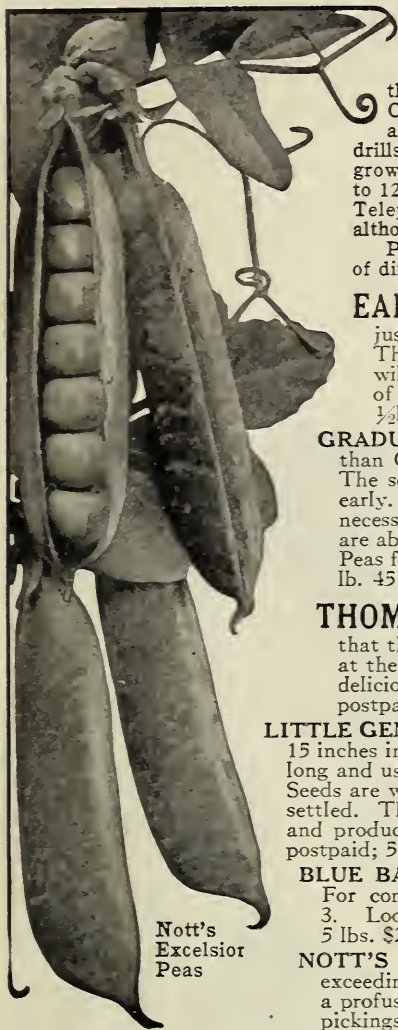


Connecticut Field Pumpkins

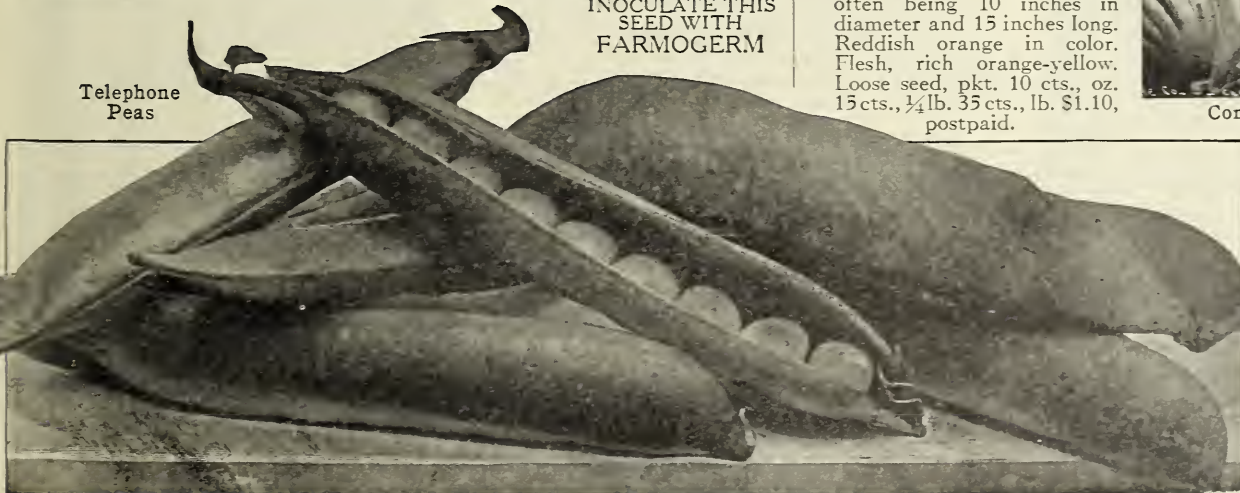
LARGE CHEESE. One of the best for canning or pies. Fruits are round and flat and generally 12 to 15 inches in diameter, slightly ribbed and of an attractive buff color. A good yielder. Loose seed, pkt. 10 cts., oz. 15 cts., ¼lb. 35 cts., lb. \$1.10, postpaid.

The seeds received are of genuine quality, which surely advertises itself.—PHILIP K. RANJITSINGH, Trinidad, British West Indies.

Pakro Seeds are the best obtainable. I know this from four or five years' experience.—R. H. BELFORD, Kings Park, N.Y.



Nott's Excelsior Peas



Telephone Peas

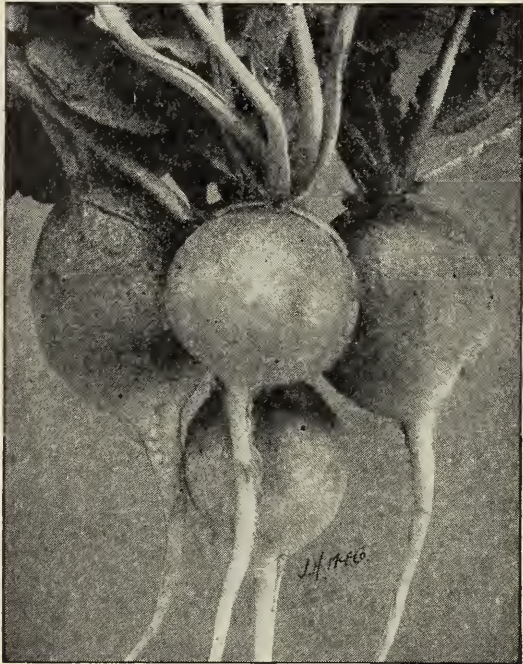
INOCULATION WILL INCREASE YOUR PEA CROP. WE RECOMMEND FARMOGERM. See Page 31



Chinese Giant Pepper

up into a fine, smooth seed-bed and sow the Radish seed in drills $\frac{1}{2}$ inch deep. For quick growth it is essential that the seed is not sown too thickly. Try Seedtape, in which seeds are evenly spaced, at such distances apart as to insure the quickest growth and you will be surprised at the crispness and tenderness of the roots. In our trial-grounds last spring we planted all varieties of Radishes in Seedtape and loose seed side by side. Those sown in Seedtape were ready a week before those sown loose. Make sowings every two weeks for succession.

FRENCH BREAKFAST. One of the most popular of the early Radishes. Roots are olive-shaped, bright red at the tops, with a white tip. When bunched, they make a most attractive appearance and always find a ready market. Flesh is clear white, exceedingly tender, and very crisp. Sow every two weeks for a succession. Loose seed, pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. 90 cts. Seedtape, pkt. 10 cts., postpaid.



Scarlet Globe Radishes

LONG BLACK SPANISH. One of the finest winter Radishes—7 to 10 inches long and 2 to 3 inches in diameter. Skin dull black. Flesh pure white, crisp, and sweet. Keeps well. Loose seed, pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.50, postpaid.

"ALL-TOGETHER" RADISH COLLECTION

Radishes seem to taste better when you can pick over several kinds, a small red one first, then a large white one, and so on. To satisfy this taste, we offer one packet each of the five summer varieties listed above for 40 cts., postpaid.

SALSIFY *An ounce of seed will sow 50 feet of drill*

SANDWICH ISLAND. Salsify, or Vegetable Oyster, as it is sometimes called, is another fine winter vegetable that is not as generally grown as it should be. The leaves are flat and grass-like, and the roots long, like a parsnip, but not so tapered. The roots are excellent when cut in strips and fried, having a taste that somewhat resembles oysters. Sow seed early in spring, in drills 1 inch deep; thin out later to stand 3 to 4 inches apart. The roots need not be lifted in the winter, as freezing will not hurt them. Loose seed, pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50, postpaid.

PAKRO PEPPERS

An ounce of seed will produce 1,000 plants

Sow indoors or in a hotbed in March and transplant to open ground after danger from frost is past. Plants should stand 15 to 18 inches apart in the row.

CHINESE GIANT The sweetest and largest Pepper. When ripe it is a beautiful, deep, clear red and is mild and sweet at all stages of its growth. Fruits are very large, measuring 4 to 5 inches in diameter and about as long. Blunt at the end and rather square in shape. Loose seed, pkt. 15 cts., oz. 65 cts., $\frac{1}{4}$ lb. \$2, postpaid.

LARGE BELL. Fruits are 2 to 3 inches in diameter and 5 to 6 inches long. Although generally classed as a sweet Pepper, it is quite pungent, though not unpleasantly so. Fruits are a rich red when ripe. Flesh is very meaty and tender. A fine Pepper for stuffing or for use in pickles. Loose seed, pkt. 10 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.25, postpaid.

PIMIENTO. An excellent Pepper for stuffing or for use as pimientos. Fruits are of fair size and heart-shaped. Flesh is thick and sweet and a rich scarlet when ripe. Skin is easily peeled by scalding. Loose seed, pkt. 10 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.25, postpaid.

LONG RED CAYENNE. One of the hottest Peppers and the one from which cayenne pepper is made. Plants are bushy and strong-growing. Fruits about 4 inches long and $\frac{3}{4}$ inch in diameter. This is the best variety for flavoring pickles, sauces, etc. May be dried for winter use. Loose seed, pkt. 15 cts., oz. 65 cts., $\frac{1}{4}$ lb. \$2, postpaid.

RADISH SEED

An ounce of seed will sow 100 feet of row

What is more appetizing in the spring or early summer than a dish of cool, crisp, and tender Radishes? To produce such Radishes they must grow quickly. Select the sunniest and most fertile part of your garden, spade or dig

up into a fine, smooth seed-bed and sow the Radish seed in drills $\frac{1}{2}$ inch deep. For quick growth it is essential that the seed is not sown too thickly. Try Seedtape, in which seeds are evenly spaced, at such distances apart as to insure the quickest growth and you will be surprised at the crispness and tenderness of the roots. In our trial-grounds last spring we planted all varieties of Radishes in Seedtape and loose seed side by side. Those sown in Seedtape were ready a week before those sown loose. Make sowings every two weeks for succession.

FRENCH BREAKFAST. One of the most popular of the early Radishes. Roots are olive-shaped, bright red at the tops, with a white tip. When bunched, they make a most attractive appearance and always find a ready market. Flesh is clear white, exceedingly tender, and very crisp. Sow every two weeks for a succession. Loose seed, pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. 90 cts. Seedtape, pkt. 10 cts., postpaid.

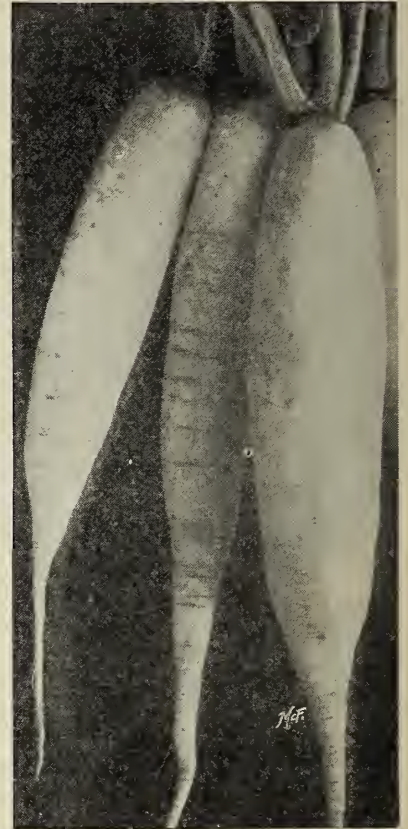
LONG SCARLET. Roots are about $\frac{3}{4}$ inch in diameter and 5 to 6 inches long. Color is a brilliant scarlet. Flesh is pure white, mild, crisp, and tender. Loose seed, pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. 90 cts. Seedtape, pkt. 10 cts., postpaid.

SCARLET GLOBE. One of the earliest of the globe-shaped forcing varieties and does equally well outdoors. Roots are good size and perfectly globe-shaped, with very small tops. Skin bright, rich scarlet. Flesh white, very crisp and tender. Loose seed, pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.50, postpaid.

SCARLET TURNIP WHITE TIP. Roots are turnip-shaped, brilliant red with a white tip at the bottom. Flesh is white and crisp and the flavor is very mild. This variety is always in demand, due to its very attractive appearance, and it is much used by market-gardeners. Loose seed, pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25. Seedtape, pkt. 10 cts., postpaid.

WHITE ICICLE. Roots are a clear, pure white, $\frac{1}{2}$ to 1 inch in diameter, and about 4 inches long. Though a quick grower it remains tender and crisp for a long time. The use of Seedtape will insure long, smooth roots of uniform size and of best quality. Loose seed, pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.10. Seedtape, pkt. 10 cts., postpaid.

WHITE CHINESE. Radishes are generally thought of as being a spring or summer dish, but they may be enjoyed all winter long by planting this variety. Plant in August, slightly deeper than other Radishes, and lift and place in a cool cellar in dry earth just before heavy frost in the fall. Roots are 6 to 8 inches long, white, and cylindrical in shape. Flavor compares favorably with the best summer varieties. Loose seed, pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.50, postpaid.



Icicle Radishes

Seedtape, pkt. 10 cts., postpaid.



Sandwich Island Salsify

PAKRO SEEDTAPE WILL HELP YOU GROW THE FINEST RADISHES

SPINACH An ounce of seed will sow 100 feet of row

Sow seeds as early in the spring as the ground can be worked, in drills $\frac{1}{2}$ inch deep, or the seed may be broadcasted on a finely prepared seedbed and raked in. The use of Seedtape will insure the plants being evenly spaced.

LONG STANDING. One of the best all-round varieties. Leaves are thick, crumpled, and dark green in color. Will stand for a long time before shooting to seed. Loose seed, pkt. 10c., oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts. Seedtape, pkt. 10 cts., postpaid.

VICTORIA. Leaves are very large, thick, wrinkled, and round at the ends. Color rich, deep, dark green. Stands hot weather well and is very slow to shoot to seed. Finest flavor. Loose seed, pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts., postpaid.

NEW ZEALAND. Plants are entirely different from the true Spinach, being tall spreading, with numerous side shoots. Leaves are about the same shape and size as Spinach, and rich dark green in color. The leaves only should be picked, as new leaves will form from the base of the old ones. If you are fond of greens in mid-summer, when it is hard to get regular Spinach, and do not care for Swiss chard, you should plant some of this variety, as it bears all summer and seems to thrive on adverse conditions. Loose seed, pkt. 15 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.25, postpaid.



Long Standing Spinach

SQUASH

An ounce of seed will sow 25 hills

Squash is another very useful and economical vegetable to grow in the home-garden. It is delicious prepared in many different ways, and four or five hills are enough for the average family. Sow seed in early May, in hills 4 feet apart each way. As with cucumber, it is better to sow plenty of seed and thin out later to the best four plants.

WHITE BUSH. Fruits are white, round, and scalloped. Plants are of dwarf bushy growth. Rind is firm but not thick. Flesh is tender and of fine quality. Loose seed, pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25, postpaid.

GIANT CROOKNECK. Plants are of dwarf bushy growth. Fruits are long and curved, or crook-necked. Rind is a rich orange-yellow. Flesh is rich cream color and very sweet and tender. This variety is largely used for slicing and frying like eggplant. Loose seed, pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25, postpaid.

MAMMOTH ITALIAN SWEET. Largest, sweetest, and best Squash for pies. For complete description, see the Season's Leading Novelties on page 3. Loose seed, pkt. (10 seeds) 25 cts., 2 pkts. 40 cts., 5 pkts. \$1, postpaid.

HUBBARD. The standard winter Squash. Fruits large, rich, dark green in color, with firm skin, and keeps well. Flesh is bright orange-yellow, fine-grained, and of the finest quality. Loose seed, pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$1.75, ppd.



White Bush Squash

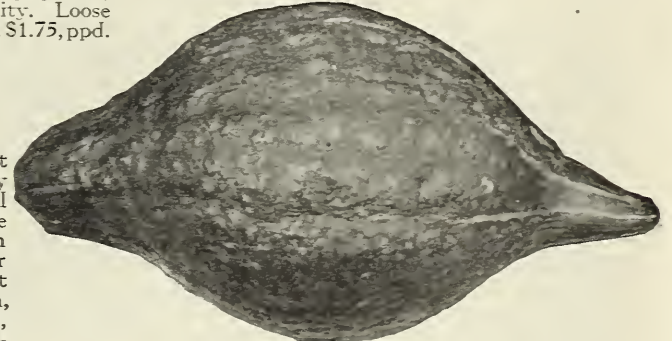
SWISS CHARD

An ounce of seed will sow 50 feet of row

SILVER LEAF. Swiss Chard, or Spinach Beet, as it is sometimes called, is one of the most satisfactory and economical vegetables to grow in the small home-garden. A row 40 feet long will supply the average family with greens all summer. Sow seed in early spring in drills 1 inch deep, thinning out later to stand 3 to 4 inches apart. Seedtape is excellent for Swiss Chard. Silver Leaf has fine, dark green, crumpled leaves with a white midrib. Loose seed, pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.10. Seedtape, pkt. 10 cts., postpaid.



Silver Leaf Swiss Chard



Hubbard Squash

TURNIPS AND RUTABAGAS

An ounce of seed will sow 200 feet of drill

Grow some late Turnips and Rutabagas in your garden this year and store them for winter use. When boiled and served with a little butter, they make the tastiest of winter dishes and help give a variety to your table. Early summer Turnips are also fine. Plant some of both. For early spring use, sow seed in April and pull as soon as the roots are of suitable size. For fall and winter use, sow in July or early August. Turnips, if planted from loose seed, must be thinned out to stand 2 to 3 inches apart. If

planted with Seedtape, only an occasional plant here and there will need to be pulled out. Turnips and Rutabagas may be kept all winter in a cool, dry cellar where there is no danger of their freezing.

EARLY WHITE MILAN. An extra-early summer Turnip. The best variety for planting in April. Roots are flat, pure white, of fine quality. Flesh is waxy white, contains no hard core, and is very sweet and tender. Due to its earliness, it is one of the largest selling Turnips for summer use. Loose seed, pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1. Seedtape, pkt. 10 cts., postpaid.

Other Varieties of Turnips on page 18

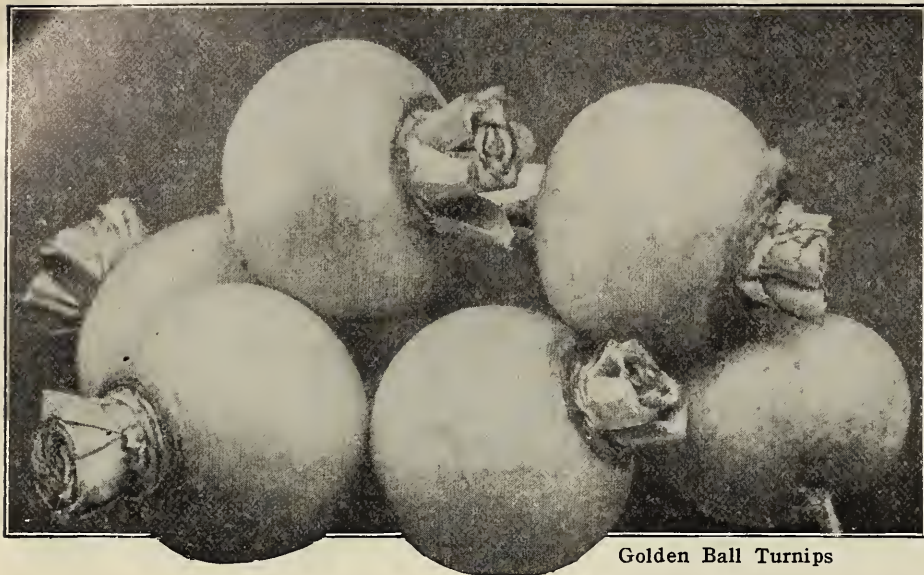


Purple-Top Strap Leaf Turnip. See page 18

Pakro Seeds Reasonably Priced

When you buy Pakro Seeds you are getting something more than just plain, everyday seeds—the very finest strains grown in America, every sack of which is tested by us in our own seed-testing laboratory. You are further safeguarded in buying from us by our guarantee. The quantity of seed in every packet is liberal; the quality and the price always as reasonable as consistent with high quality.

ASK US YOUR GARDENING QUESTIONS. WE ARE ALWAYS GLAD TO ANSWER THEM



Golden Ball Turnips

are globular in shape. Flesh is yellow and has a sweet and somewhat buttery taste. It takes somewhat longer to mature than the Turnips and therefore should be planted earlier. Loose seed, pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. 90 cts. Seedtape, pkt. 10 cts., postpaid.

Summer and Winter Turnip Collection

One packet each of the above five superior varieties of Turnips and Rutabagas for 40 cts., postpaid.

FINEST TOMATOES

An ounce of seed will produce about 3,000 plants

It is not so many years ago that Tomatoes were looked upon as being poisonous and were grown only for ornamental purposes. At the present time, however, they form one of our most important foods and thousands of acres are devoted solely to growing this delicious garden fruit. Of the hundreds of varieties that are offered, we have selected only those that we consider the best as to quality of the fruit and productiveness.

A few Tomatoes of an early variety should be started indoors in early March. Tomatoes for the main crop should be started in April. Sow seed in flats, in drills $\frac{1}{2}$ inch deep, and when large enough to handle, transplant to small pots or other flats, so that there are at least 2 inches each way between plants. When all danger from frost is past, transplant to their permanent bed outdoors. Where the space is limited, the vines may be trained up on stakes or small trellises.

Be careful to watch for green Tomato worms, especially when the plants are young, as these worms are heavy feeders and in a short time will strip all the leaves from a Tomato plant.

BEAUTY. Midseason variety. Fruits are large and smooth, no cracks or wrinkles. Color is a purplish pink. Flesh is sweet, firm, and stands shipping well. Entirely free from core and has only a few seeds. Loose seed, pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.10. Seedtape, pkt. 10 cts., postpaid.

BONNY BEST. Fine, bright red, early Tomato. Fruits are borne in clusters in the center of the plant and are uniform in size, have no cracks, and few seeds. Practically identical with John Baer, but is about ten days earlier. We offer only Bonny Best as we consider it the better of the two. Loose seed, pkt. 10 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, postpaid.

EARLIANA. Earliana is, without exception, the best early Tomato. Plants are very productive but only bear through a comparatively short season, so should be planted in conjunction with one of the main-crop varieties. Fruit is rich scarlet in color, free from cracks, and with no core. It is borne in clusters and is of excellent quality. Loose seed, pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.10. Seedtape, pkt. 10 cts., postpaid.

JUNE PINK. A pink-skinned and pink-fleshed extra-early, but, unlike many extra-earlys, it bears continuously up until frost. The fruits are most attractive, being large, nearly round, and very solid. Flesh is firm, contains very few seeds and is absolutely coreless. Fruits are borne in clusters of from six to eight. Loose seed, pkt. 10 cts., oz. 55 cts., $\frac{1}{4}$ lb. \$1.60. Seedtape, pkt. 10 cts., postpaid.

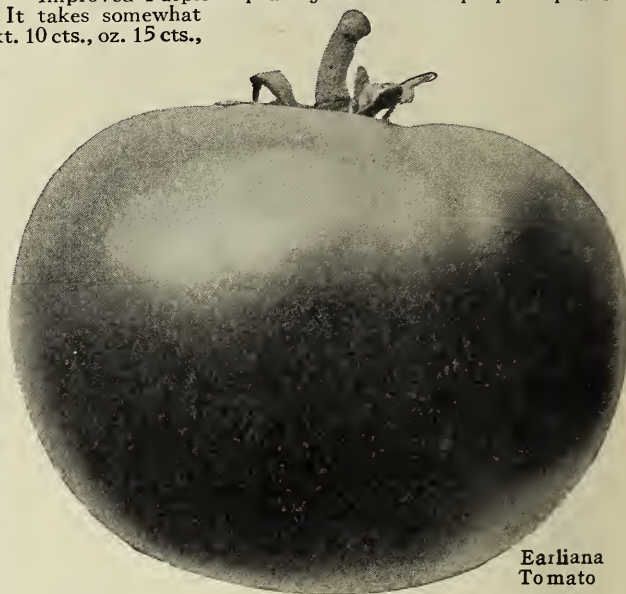
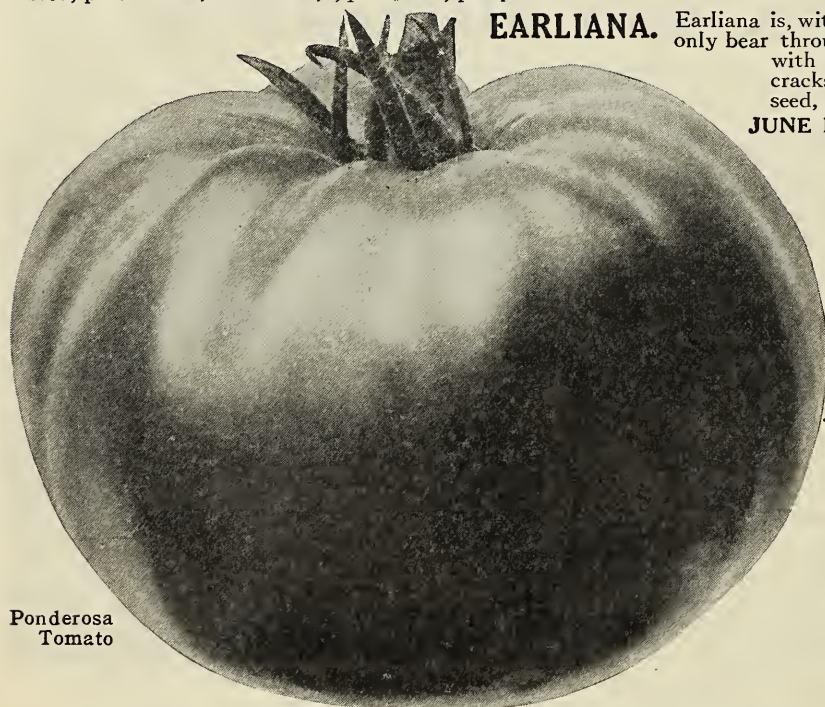
MATCHLESS. A splendid midseason variety. Color is cardinal-red. Fruits are quite large and very uniform. Does not split so much under unfavorable weather conditions as the other large-fruited sorts. There is no core and the seed-spaces are quite small. An excellent variety for canning or catsup making. Loose seed, pkt. 10 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, postpaid.

PONDEROSA. Extremely large in size, and though unsuitable for market, due to the irregularities in some of the fruits, it is, nevertheless, an excellent variety for the home-garden. Color is a purplish red. Flesh is firm and solid, and contains but few seeds. Very fine for canning. Loose seed, pkt. 10 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$1.75. Seedtape, pkt. 10 cts., postpaid.

STONE. Main-crop variety of exceptional merit and has long been the standard variety of the commercial canner and market gardener. Fruits are a rich scarlet color, nearly round, and without cracks. Very solid and firm flesh. Loose seed, pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.10. Seedtape, pkt. 10 cts., postpaid.

YELLOW PLUM. A fine preserving sort. Fruits are plum-shaped, about $1\frac{1}{2}$ inches long by $\frac{3}{4}$ inch in diameter. Color is pure golden yellow. Borne in clusters. Loose seed, pkt. 15c., oz. 75c., $\frac{1}{4}$ lb. \$2.25, postpaid.

RED CHERRY. Small-fruited Tomato. Same size and shape as a large cherry and bright red in color. Fine for preserving or for mixed salads. Loose seed, pkt. 15 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.25, postpaid.

Earliana
TomatoPonderosa
Tomato

WE WILL BE PLEASED TO SEND OUR CATALOGUE TO ANY OF YOUR FRIENDS

Pakro Lawn and Golf Seed Mixtures

On the inside back cover of this book you will find complete descriptions of the three Pakro Grass Seed Mixtures most used in making and renewing fine lawns, together with complete instructions for the proper cultivation and care of a lawn.

In addition we offer below other mixtures best suited for special purposes of all kinds, including the seeding of golf-courses, polo-fields, tennis-courts, etc., as well as the separate varieties of grasses and clovers usually used when extraordinary treatment is required. From these you can undoubtedly select the kinds best suited for your soil and conditions, but if expert opinion is desired and you will send us sample of the soil and state, in as much detail as possible, the conditions, we will be pleased to recommend the formula best suited to your needs. Pakro Grass Seeds are used annually by numerous well-known golf and polo clubs, institutions, and private estates, names of which we will be pleased to furnish, together with testimonial references, to those particularly interested in arranging for work of this kind.

PAKRO LAWN GRASS MIXTURE. Compounded from our own special formula and sure to give satisfaction. See full description inside back cover page. Qt. 30 cts., lb. 50 cts., 5 lbs. \$2.25, postpaid; 20 lbs. \$7.50, 100 lbs. \$35, by express.

PAKRO SHADY PLACE MIXTURE. An extra-fine mixture that will really grow in shady places. See inside back cover page for full description. Qt. 45 cts., lb. 70 cts., 5 lbs. \$3, postpaid; 20 lbs. \$9, 100 lbs. \$40, by express.

FLORHAM PARK MIXTURE. A very fine mixture of the less expensive varieties. See full description inside back cover page. Qt. 25 cts., lb. 40 cts., 5 lbs. \$1.85, postpaid; 20 lbs. \$6, 100 lbs. \$27.50, by express.



Pakro Lawn, the Best Evergreen Mixture

Pakro Fairway Golf Mixture

Our own special formula containing the following varieties: Kentucky and Canada Blue for spring and early summer turf; Red Fescue for summer turf; Red Top for fall turf; and small quantities of Timothy and Perennial Rye Grass to act as a nurse crop until the other varieties are established. The quantities of each variety are carefully combined to insure a lasting, even turf from early spring until late fall. It always gives splendid satisfaction wherever used. Lb. 50 cts. 5 lbs. \$2.40, postpaid; 10 lbs. \$4.50, 100 lbs. \$40, by express.

Pakro Putting-Green Mixture

A very carefully compounded mixture of only the finest leaved grasses made from a special formula furnished us by one of the oldest and best known greenskeepers in the world. When properly sown it produces the finest turf obtainable and one that will stand much trampling and hard use. This superb mixture includes a wide variety of grasses that follow each other closely in season and are adapted to the different weather conditions of spring, summer, and fall. Lb. 80 cts., 5 lbs. \$3.75, postpaid; 10 lbs. \$7, 100 lbs. \$65, by express.



Pakro Putting-Green Mixture

Pakro Lawn-Dressing Seed

The Very Thing You Have Always Wanted

A skillful combination of grass seeds and fertilizer that will enable you to properly seed and fertilize the bare spots in your lawn—all in one operation. Only the finest re-cleaned seed and the highest quality quick-acting fertilizers are used in compounding this new and excellent mixture. Instead of just using bone meal or other fertilizer on your lawn this year, try Pakro Lawn-Dressing Seed. The results will surprise you almost as much as the reasonableness of the following prices. Lb. 60 cts., 5 lbs. \$2.75, postpaid; 10 lbs. \$5, 100 lbs. \$45, by express.

SHEEP MANURE. It is also good for lawns. For full description see page 31. 2-lb. carton 20 cts. (30 cts. if wanted by mail), 5-lb. carton 40 cts. (60 cts. if wanted by mail), 10-lb. bag 60 cts., 25-lb. bag \$1, 50-lb. bag \$2, 100 lb. bag \$3.50, by express or freight.

GROUND LIMESTONE. Lime should be applied to your lawn every year to keep the soil sweet. Use at rate of quarter-pound per square foot and if possible work into the soil with a steel rake. 50 lbs. \$1.25, 100 lbs. \$2.25, by express or freight.

GRO-GREEN LAWN FERTILIZER. A perfect fertilizer for the lawn should contain a high amount of phosphoric acid, a small amount of ammonia (nitrogen), and practically no potash. Pakro Gro-Green Lawn Fertilizer is perfectly balanced and will help to make your lawn grow a strong, thick, verdant turf at all seasons of the year. 50 lbs. \$3.25, 100 lbs. \$6, 500 lbs. \$28, ton \$70, by freight or express.

BONE MEAL. Finely ground. Makes an ideal top-dressing for lawns. 5 lbs. 50 cts. (70 cts. if wanted by mail), 10 lbs. 90 cts., 25 lbs. \$1.50, 50 lbs. \$2.50, 100 lbs. \$4.25, by express or freight.

Pakro Super-Quality Grass and Farm Seeds

During the spring and summer of last year we issued frequent price-lists of Farm Seeds. We always offered two grades, the best and a second grade, and it is particularly gratifying to announce that we did not receive a single order for second grade stock, although the price was often a dollar a bushel cheaper. The farmer of today knows that it pays in dollars and cents to use seeds of known quality only. He knows that good seed is the first requirement for a good crop. Cheap seed wastes time, labor, and fertilizer. When you buy Pakro Super-Quality Farm Seeds you are getting the purest and highest germinating seeds obtainable. We will not, unless at the specific request of a customer, supply any other grade.

PRICES.—Because the price of Farm Seeds fluctuates we cannot make firm prices at the time our catalogue goes to press, but we will be much pleased to quote you latest and best prices upon receipt of your request, and to furnish any other information desired. For the convenience of our customers who can use only small quantities, we quote retail prices on pound lots. **Farm seeds at these prices will be sent postpaid.** All other prices on Farm Seeds are f.o.b. Madison, N. J. Besides the seeds listed below we offer in this catalogue several root crops that are considered Farm Seeds. You will find these listed as follows: Mangel and Sugar Beets, page 8; Carrots for stock feeding, page 8; Turnips and Rutabagas, pages 17 and 18.

GRASS SEEDS

CREeping BENT. Makes a fine, smooth, velvety green turf. Creeping roots. Generally used for putting-greens and will grow on practically any soil. Lb. \$3, postpaid. Write for prices on larger quantities.

RED TOP. Closely related to Creeping Bent but not quite so creeping. Used in general lawn and pasture mixtures; also for greens, fairways, and polo fields. Grows well on practically all soils, even though sour. Best grade, 45 cts. per lb., postpaid. Write for prices on larger quantities.

CANADA BLUE. Most verdant in early summer. Slightly coarser than Kentucky Blue but will stand hard trampling. Does best on clay soils with lime. Lb. 50 cts., postpaid. Write for prices on larger quantities.

HARD FESCUE. Fine for terraces and light sandy soils. Lb. 80 cts., postpaid. Write for prices on larger quantities.

KENTUCKY BLUE. Slow growing, but once established is best for practically all purposes. Must have a sweet soil. Used in lawn and pasture mixtures and for golf-greens and fairways. Lb. 75 cts., postpaid. Write for prices on larger quantities.

RED FESCUE. Leaves stiff and will stand severe trampling. Largely used for greens, fairways, and tees. Also does well under trees. Especially valuable on poor, very dry land. Lb. \$1, postpaid. Write for prices on larger quantities.

CHEWING'S FESCUE (New Zealand). Practically identical with the above but has finer leaves and therefore better for golf-greens. Lb. \$1.15, postpaid. Write for prices on larger quantities.

SHEEP'S FESCUE. Same general growth as Red Fescue. Does well on any soil except very wet. Excellent for fairways and tees, but not particularly good for greens. Lb. 90 cts., postpaid. Write for prices on larger quantities.

ENGLISH PERENNIAL RYE. Very rapid grower, suitable for practically all soils that are well supplied with moisture. Will give a fine green turf in shorter time than any other variety, but does not last and so should be combined with one or more other varieties. Does well under trees but must be replanted each year. Lb. 35 cts., postpaid. Write for prices on larger quantities.



Mowing Pakro Alfalfa

GRASS SEEDS, continued

MEADOW FESCUE. Best used as a hay or pasture mixture. Does well on any soil except wet. Lb. 40 cts., postpaid. Write for prices on larger quantities.

CRESTED DOG'S TAIL. Hard-leaved variety which has a tendency to grow in tufts, if planted separately, but if properly combined with other grasses is fine for greens and fairways. Does well on hard, dry soils. Lb. 75 cts., postpaid. Write for prices on larger quantities.

ORCHARD GRASS. A coarse variety whose only value for lawns is that it does well under trees. Makes fine hay or pasture. Does well on practically any soil. Lb. 40 cts., postpaid. Write for prices on larger quantities.

TIMOTHY. Most generally used and best farm hay crop. It is the best hay for horses and is practically indispensable on the farm. Timothy is also largely used in pasture mixtures and occasionally in lawns where it helps to make a fine lasting turf when properly combined with other varieties. Pakro Brand is especially re-cleaned seed and runs 99.50 to 99.80 per cent pure, with germination of 92 per cent, or better. It pays to buy the best. Lb. 20 cts., postpaid. Write for prices on larger quantities.

ALFALFA

The two-purpose crop. Makes excellent feed for cattle and at the same time adds nitrogen to the soil for succeeding crops. Alfalfa can be grown on practically any soil that is not sour, and will, even under average conditions give two or three cuttings a year.

GRIMM'S. The famous heavy-stooling Alfalfa with an extremely wide-spreading root system. It is very hardy, withstands excessive wetness and drought, and does not winter-kill as easily as the common variety. Lb. 90 cts., postpaid. Write for prices on larger quantities.

PAKRO BRAND. Pure Northwestern-grown seed, infinitely better than the ordinary brands usually offered. Lb. 40 cts., postpaid. Write for prices on larger quantities.

CLOVERS

Next to Alfalfa, Clovers are probably the most valuable hay crop for cattle and, like Alfalfa, they add nitrogen to the soil. We offer only highest grades obtainable and in answering requests for quotations invariably state the purity and germination of the seed offered. Don't be misled by lower prices; compare the purity and germination.

ALSIKE, Pakro Brand. Somewhat smaller growth than Medium Red and with mixed colored blossoms almost white. Will grow better on poor and sour soil than Red Clover. Lb. 40 cts., postpaid. Write for prices on larger quantities.

MEDIUM RED, Pakro Brand. The most commonly used and one of the best for hay and improving the soil. Largely used in New Jersey and nearby as a cover crop. Lb. 45 cts., postpaid. Write for prices on larger quantities.

CRIMSON. Used almost exclusively as a cover crop. Lb. 40 cts., postpaid. Write for prices on larger quantities.

FIELD CORN

Everything taken into consideration, Corn is a real money-making crop for the average farmer. You must have good seed as replanting is not only expensive but also delays the harvest, so that the replanted crop is often caught by early frost.

WHITE-CAP YELLOW DENT. One of the best known and most reliable Dent Corns and a sure cropper. Ears large and well filled to the tips. Grains have white cap but are yellow on the sides and inside. This variety is also largely used for ensilage. Matures in 115 days. Lb. 25 cts., postpaid. Write for prices on larger quantities.

REID'S YELLOW DENT. The most popular yellow Dent. It takes a few days longer to mature than White Cap. Preferred by many farmers because it is a pure yellow color. Ears are large, filled to the tips. Grains are a pure golden yellow. Lb. 25 cts., postpaid. Write for prices on larger quantities.

EIGHT-ROW YELLOW FLINT. Flint Corns will mature considerably earlier than the Dent varieties. Eight-Row Yellow is an old standard variety. Matures in about 90 days. Ears are good length, containing eight rows of large, yellow grains. Lb. 25 cts., postpaid. Write for prices on larger quantities.

Miscellaneous Farm Seeds

OATS, WHITE SWEDISH. The best Oats. Roots well and has strong, stiff straw which does not easily lodge. Branching head is well filled with large, plump grains. Outyields other varieties by four or five bushels per acre. Lb. 20 cts., postpaid. Write for prices on larger quantities.

SOY BEANS, MAMMOTH YELLOW. An excellent soil-improving crop. May be grown with corn or oats for silage, or separately and thrashed, having the Beans ground for meal and using the straw for hay. To insure maximum growth we advise inoculating with Farmogerm. Lb. 25 cts., postpaid. Write for prices on larger quantities and other varieties.

PEAS, CANADIAN FIELD. Another excellent fodder plant for combining with oats for feed or silage. Lb. 25 cts., postpaid. Write for prices on larger quantities.

BUCKWHEAT, JAPANESE. An excellent catch and cover crop. Will thrive on soils too poor for other crops, and at the same time will help to build them up. Lb. 20 cts., postpaid. Write for prices on larger quantities.

VETCH, WINTER. Excellent cover and green hay crop. It, in common with the other leguminous crops, adds nitrogen to the soil. Lb. 35 cts., postpaid. Write for prices on larger quantities.

RAPE, DWARF ESSEX. An excellent forage crop for sheep. Lasts well into the winter. Lb. 25 cts., postpaid. Write for prices on larger quantities.



Soy Beans

Farm and Truck Fertilizers

With the scarcity of good barnyard manure, fertilizers have become more and more important to the farmer. In buying fertilizer, as with seeds, it is always best to buy from the most reliable source and to buy only fertilizers of guaranteed analysis. Owing to the high cost of freight we advise our customers to buy only fertilizers of high analysis and to use proportionate amounts.

We list below a few of the standard formulas but can supply any special formula on request.

	Ammonia	Phosphoric Acid	Potash
Big Crop (Bone-Blood-Potash).....	5	8	7
Big Crop (Wheat).....	5	8	5
Big Crop (Potato and Vegetable).....	4	8	7
Big Crop (Sweet Potato).....	3	8	3
Big Crop (High Grade Potato).....	2	8	10
Big Crop (Corn and Lettuce).....	2	8	5
Big Crop (Acid Phosphate).....	0	16	6
Big Crop (Grain Grower).....	2	10	4
Big Crop (Standard).....	2	8	2
Big Crop (Grass and Hay).....	2	12	2
Bone Meal.....	3	48	—
Nitrate of Soda.....	18	—	—

NOTE.—Due to market fluctuations, we are unable to make firm prices on fertilizers at the time our catalogue goes to press, but will be pleased to send you our best prices on request, either f.o.b. Madison, N. J., or freight paid to your station. Please state quantity desired.

Pakro Choicest Annual Flower Seeds

WITH GENERAL DIRECTIONS FOR CULTIVATION

GROWING flowers is such a pleasant occupation, and such large returns can be had from such a comparatively small outlay of labor and money, that it is great wonder that more are not grown around every home.

The annual flower seeds come in nearly all shapes and sizes, from the powder-like Lobelia and Petunia to the bullet-like Canna, and although a few general rules can be laid down, still it would be impracticable to try to show here the exact procedure for planting each variety that is listed. Full cultural directions are on each packet that we send out.

The soil is the first consideration. Almost any soil will grow some sort of flowers, but for a general flower-garden it should be well fertilized and loosened to a depth of 6 to 8 inches. Well-rotted barnyard manure may be applied in the spring or fall, but it is sometimes difficult to obtain and often contains weed seeds. Pulverized sheep-manure will give excellent results and is much easier and cleaner to handle.

The seed of most of the popular flowers may be planted as soon as the soil can be worked into a fine loosened condition. *Be careful not to plant the seeds too deep.* The fine seeds, like Petunia and Lobelia, should be just pressed into the soil and the larger seeds in drills $\frac{1}{4}$ to $\frac{1}{2}$ -inch deep.

When the seedlings become 2 to 3 inches tall they should be thinned out, in accordance with the directions on the packet. A good rule to follow with all flowers but the climbers is to thin out the plants to stand half as far apart as they grow tall. For instance, annual Larkspur grows about 12 inches tall and should therefore have 6 inches between plants. Practically all flower seedlings (with the exception of Poppies) may be transplanted, so that those that are pulled out need not be wasted.

There are numberless pretty arrangements for flower-beds. Those that are in the open and surrounded on all sides by grass, generally give a better appearance if just one variety is used, with a border of Alyssum or some other dwarf-growing flowers. Beds that have a background of a hedge or fence should have tall sorts at the back and then graduated down to the front with smaller growing sorts.

The best and easiest way to grow flowers is in narrow beds that can be worked with a claw weeder. Make them narrow enough so that all parts can be reached without treading on the bed. If the ground is well spaded before planting, but one hand weeding is necessary, and that to take the weeds from the rows. After that, scratch the surface with a claw weeder or steel rake once or twice a week until the plants shade the soil. No further care is necessary.

If the bed is along a fence or hedge, plant tall varieties at the back, selecting others that will graduate slowly down to the front. A very good combination is Giant Zinnias, Scabiosas, Larkspurs and French Marigolds arranged from back to front in the order named. Circular beds may be set off to advantage, with an edging of Alyssum or Ageratum.



Included in our list is sufficient variety that all can have a profusion of flowers who will devote a little time and attention to their care. Experience is not necessary to produce many of the most popular kinds. For the beginner we would suggest such kinds as Alyssum, Asters, Calliopsis, Bachelor Buttons, Cosmos, Nasturtiums, Dianthus, Poppies, Verbenas, and Zinnias.

For Perennial Seeds, see pages 27 and 28

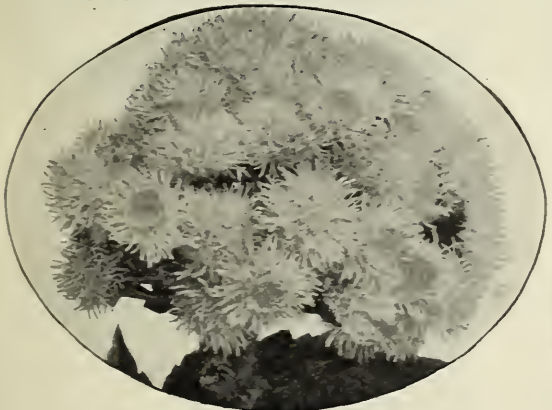
To avoid possible confusion in ordering or planting flower seeds, we have listed all perennial seeds and plants on pages 27 and 28 directly following the annuals.

All flowers, both perennial and annual, are listed alphabetically by the name by which they are most generally known and when known equally well by two names, both are usually given.

ALL FLOWER SEEDS IN QUANTITIES LISTED IN THIS CATALOGUE ARE SENT POSTPAID

Acroclinium

Double Mixed. Pretty Everlasting Flower resembling a double daisy in form. Height 15 inches. Flowers are clear shell-pink and white. For use in winter bouquets, flowers should be cut in the bud state and dried. Sow seed outdoors when all danger of frost is past, in drills $\frac{1}{4}$ inch deep. Thin out to 8 to 10 inches apart. Loose seed, pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., postpaid.



Ageratum mexicanum

Ageratum

Mexicanum, Blue. Hardy annual of the greatest value for bedding, edging, and for window-boxes. Flowers are tuft-shaped and lavender-blue in color. Blooms from early summer until frost. Plant outdoors in April when the maples start to leaf, in drills $\frac{1}{4}$ inch deep. Loose seed, pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., postpaid.

Imperial Dwarf Blue. Quite distinct from the Mexicanum variety in that it is of very dwarf growth. Used advantageously for window-boxes, borders, etc. Flowers bright, clear blue. Blooms practically all summer. Plants should be placed 4 inches apart. Loose seed, pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., postpaid.

Alyssum

Little Gem. The best of all white edging plants. Dwarf in growth and covered with heads of tiny white flowers from early summer until frost. Plant as soon as the ground can be worked into good condition, in drills $\frac{1}{4}$ inch deep. No thinning out will be necessary if Seedtape is used. Loose seed, pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts. Seedtape, pkt. 10 cts., postpaid.

Antirrhinum, or Snapdragon

The present form of the Antirrhinum, or Snapdragon, is so far ahead of the wild "Butter and Eggs" that it is hardly recognized as being related. It is extremely popular, both as a cut-flower and for bedding and we are especially pleased to be able to offer our customers all of the separate colors of the half-dwarf type for bedding, as well as separate colors of the tall type used almost exclusively for cutting. Seed may be started either indoors or in hot-beds in March, or outdoors in early May.

LARGE-FLOWERING HALF-DWARF

Red	Rose-Pink	Salmon	White	Yellow
	Loose seed, pkt. 15 cts., $\frac{1}{4}$ oz. 35 cts., postpaid			
	Mixed: Loose seed, pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., postpaid			

COLLECTION: One pkt. each of the 5 colors, 60 cts., postpaid

LARGE-FLOWERING TALL

Pink	Scarlet	White	Yellow
	Loose seed, pkt. 15 cts., $\frac{1}{4}$ oz. 35 cts., postpaid		
	Mixed: Loose seed, pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., postpaid		

COLLECTION: One pkt. each of 4 colors, 50 cts., postpaid

NEW SNAPDRAGON, HARMONY. An exquisite new introduction fully described among the Season's Novelties and Introductions on pages 2 and 3. Loose seed, pkt. 50 cts., 3 pkts. for \$1.25, postpaid.

Arctotis

Grandis (African Daisy). Beautiful, large, daisy-like flowers. Petals pure white on the upper side, under side beautiful lavender-lilac. Blooms from July until killed by frost. Excellent as a cut-flower, lasting for a long time in water. Height 2 to 3 feet. Start indoors in March or outdoors in May. Loose seed, pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts., postpaid.



Antirrhinum

Am greatly interested in your Seedtape and having found it satisfactory in previous plantings, I am sure of a wonderful flower display this summer.—A. L. DLUCWICZ, Toledo, Ohio.

I am very desirous of purchasing my flower seeds from you this season. Have used them before and find them very satisfactory. Miss ROSA B. ALLEN, Huntsville, Ala.

"SAY IT WITH FLOWERS" AND GROW YOUR OWN

Pakro Peerless Asters

Asters are becoming more popular every year, and no wonder, for they are unsurpassed as cut-flowers and make the most attractive beds and borders. Asters may be planted outdoors when the maples start to leaf or they may be started indoors in March. Plant the seed in drills $\frac{1}{4}$ inch deep. Thin out or transplant when suitable size to stand 6 to 10 inches apart. Wood ashes or slacked lime worked into the soil before planting will help to keep in check root diseases to which Asters are subject.



Asters. Top flower, Comet; lower flowers, Beauty

GIANT COMET. Massive chrysanthemum-like blooms, beautifully formed and of exceptional substance. Unsurpassed as cut-flowers. The plants grow strong and robust and are covered with blooms until killed by frost.

Lavender Rose Purple
Pink White

Loose seed, pkt. 15 cts., postpaid

Mixed. Loose seed pkt. 10c., $\frac{1}{4}$ oz. 50c., oz. \$1.50, Seedtape, pkt. 10c., postpaid.

COLLECTION: One pkt. each of the 5 colors, 60 cts., postpaid

QUEEN OF THE MARKET. Undoubtedly the finest early Aster. Begins to bloom early in July and is fine for combining with the later flowering types for continuous bloom. Plants dwarf, about 15 inches high. Flowers are large and borne on long, strong stems.

White Lavender Crimson
Pink Purple

Loose seed, pkt. 15 cts., postpaid

Mixed. Loose seed, pkt. 10 cts., $\frac{1}{4}$ oz. 40c., oz. \$1.20. Seedtape, pkt. 10c., ppd.

COLLECTION: One pkt. each of the 5 colors, 60 cts., postpaid

SEMPLÉ'S BRANCHING. Starts to bloom in midsummer and continues until killed by frost. One of the best Asters for cutting. Plants are bushy and grow about 2 $\frac{1}{2}$ feet high. Our special mixture contains all the different colors. Loose seed, pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50; Seedtape, pkt. 10 cts., postpaid.

CREGO GIANT. Plants bushy, about 2 feet high. Flowers are huge, with graceful, wavy petals. Loose seed, pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50; Seedtape, pkt. 10 cts., postpaid.

BEAUTY. For complete description see Season's Novelties and Introductions on page 2.

White Beauty. Immense, pure white flowers. Loose seed, pkt. 25 cts., ppd.

Azure Fairy. Delicate light blue. Loose seed, pkt. 25 cts., postpaid.

Peach Blossom. Charming peach-blossom-pink. Loose seed, pkt. 25 cts., ppd.

COLLECTION: One pkt. each of the 3 colors, 60c. postpaid. Two pkts. each of the 3 colors \$1, postpaid.

Balsam

Double Camellia-flowered. Also known as "Lady's Slipper." One of the prettiest annuals for bedding and cutting. Flowers in all shades are borne close to the main stem amongst the foliage. Plant seed in shallow drills indoors in March or April or outdoors after danger from frost is past. Plants are about 2 feet high and bloom from early summer until frost. Loose seed, pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts. Seedtape, pkt. 10 cts., postpaid



Calendula

Bachelor's Button

(*Centaurea Cyanus*)

An old-time favorite, known by many names, such as "Ragged Robin," "Bluets," "Ragged Sailor," "Cornflower," and "Blue Bottle," and always popular by all of them. One of the easiest grown annuals. Will even grow and bloom when the seed is scattered on top of the ground. Plants are 1 $\frac{1}{2}$ feet high, of branching growth, and covered with blooms. Plant seed outdoors after the weather has become settled—in the place where they are to bloom.

Double Blue. Fine, very double, rich blue blooms. Loose seed, pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., postpaid.

Mixed. A superb mixture of all colors. Loose seed, pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts. Seedtape, pkt. 10 cts., postpaid.

Calendula

Many people have seen and admired these brilliant yellow and orange flowers in the florists' windows, but few recognize them as the old-fashioned Pot Marigold, and fewer still know that they are about the easiest and most satisfactory flowers to grow. They make excellent beds or borders for taller-growing flowers and are fine for cutting. Plant the seed as soon as the ground can be worked in the spring. When the plants are big enough to handle, thin out or transplant to stand at least 8 inches apart. Blooms continually from July until killed by heavy frost in the fall.

Orange King. Full, double, rich deep orange. Loose seed, pkt. 15 cts., oz. 50 cts., postpaid.

Lemon Queen. Full, double, pure lemon-yellow. Loose seed, pkt. 15 cts., oz. 50 cts., postpaid.

Double Mixed. Finest mixture; contains all shades from creamy white to deep orange. Loose seed, pkt. 10 cts., oz. 25 cts., postpaid.

IMPROVED ORANGE KING. A decided improvement on the old type. See Pakro Novelties and Introductions on page 2 for full description. Loose seed, pkt. 25 cts., 3 pkts. for 60 cts., postpaid.

Blue Lace Flower

(*Didiscus caeruleus*)

A new-old flower, one that was grown years ago but was forgotten or neglected, no one knows which. It was offered by seedsmen again last year and proved a great success. Plants are 1 $\frac{1}{2}$ feet high and bear numerous tall, flat heads of beautiful lavender-blue flowers, not unlike a wild carrot but more rounded. Plant seed as soon as the frost is out of the ground in the spring. Blooms from July until killed by frost. Excellent as a cut-flower. Loose seed, pkt. 25 cts., 2 pkts. for 40 cts., postpaid.

Calliopsis

Coronata. One of the finest yellow cut-flowers. It produces brilliant yellow, cosmos-like flowers from early summer until frost. Blooms are borne on long stems all over the bushy plants and should be cut before they go to seed. Plant the seed as early in spring as the ground can be worked into a good condition. Thin out to stand 4 to 6 inches apart. Plant Calliopsis with Seedtape and avoid thinning out. Loose seed, pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts. Seedtape, pkt. 10 cts., postpaid.

Candytuft

Mixed. Very free bloomer with flowers borne on heads held well above the foliage. Color ranges from pure white through the varying shades of pink to deep red. Plant seed outdoors after the weather has become settled, thinning out to stand 4 to 6 inches apart. Loose seed, pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts. Seedtape, pkt. 10 cts., postpaid.

Carnation

Marguerite Double, Mixed. Carnations, though well known on the florist stands, are not grown in home-gardens as much as they should be. Sow seed indoors in March or April and transplant outdoors when all danger from frost is past. Plants should stand 1 $\frac{1}{2}$ feet apart. Loose seed, pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts., postpaid.



Celosia Childsii

Celosia

Very useful as bedding plants, also may be used as cut-flowers. We offer two kinds.

Cristata. True cockscomb-like heads in red and yellow shades mixed. Loose seed, pkt. 15 cts., $\frac{1}{4}$ oz. 30 cts., postpaid.

Childsii. Beautiful cylindrical heads. Clear rose-color and undoubtedly the finest form of Celosia. Flower-heads resemble balls of silky wool. Can be dried for winter bouquets. Loose seed, pkt. 15 cts., $\frac{1}{4}$ oz. 40 cts., postpaid.

Chrysanthemum

Coronarium Double, Mixed. Chrysanthemums have become more popular than ever in the past year and it is not necessary to wait until fall for their blooms as our special mixture of doubles begins to bloom in July. Plants are 2 to 3 feet high and bear a profusion of double white and yellow blooms about 2 inches in diameter. Loose seed, pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts. Seedtape, pkt. 10 cts., postpaid.

Cobaea

Scandens (Cup-and-Saucer Vine). Beautiful, annual, rapid-growing vine. Blooms resemble those of the Cup-and-Saucer Canterbury Bells. Vines grow 30 to 40 feet in a season and will cling to any rough surface. Plant seeds edgewise, about $\frac{1}{2}$ inch deep, after the weather has become settled. Loose seed, pkt. 15 cts., $\frac{1}{4}$ oz. 25 cts., postpaid.

BE CAREFUL NOT TO PLANT FLOWER SEEDS TOO DEEP

PAKRO EASY-TO-ORDER FLOWER SEED COLLECTIONS

"OLD-FASHIONED" GARDEN COLLECTION

7 full-sized packets of Old-Fashioned Favorites. Catalogue Price 70c., all for 50 cts., postpaid.

Why not have an "old-fashioned" corner in your flower-garden and devote it to growing the flowers that our grandmothers grew and cared for? One packet each of following:

- | | |
|------------|----------|
| Aster | Pinks |
| Balsam | Scabiosa |
| Calendula | Zinnia |
| Mignonette | |

"EVERLASTING" FLOWER COLLECTION

4 full-sized packets of Finest Everlasting Flowers. Catalogue Price 40c., all for 30 cts., postpaid.

Have cut-flowers all winter by growing these charming everlasting sorts. All of them, if cut in the bud state, will keep well through the winter. One packet each of following:

- | | |
|------------------|-------------|
| Acroclinium | Gomphrena |
| Celosia Childsii | Helichrysum |

ARRANGED so as to give everyone an opportunity to add flowers to their home at a minimum of cost. There is a collection for those who prefer their flowers in the outdoor bed, another for those who like cut-flowers, and still others for those who prefer the "old-fashioned" and "everlasting" flowers. Take your choice—or if you have room try several, and increase your garden joy that many times. The prices are as low as **GOOD** flower seeds can be sold for.

"ALL-SUMMER" FLOWER COLLECTION

15 full-sized packets of Popular Summer-Flowering Annuals. Catalogue Price \$1.50, all for \$1, postpaid

A complete assortment of tall and dwarf bedding sorts and those producing flowers for cutting. Bloom continually from early summer until frost. The following varieties are included:

- | | | | |
|-----------|------------------|-------------------|------------|
| Alyssum | Larkspur | Nasturtium, Dwarf | Snapdragon |
| Aster | Marigold, Dwarf | Poppy, California | Sweet Peas |
| Calendula | Marigold, Tall | Poppy, Shirley | Zinnia |
| Cosmos | Nasturtium, Tall | Scabiosa | |

CUT-FLOWER COLLECTION

15 full-sized packets of Best Annuals for Cutting. Catalogue Price \$1.50, all for \$1, postpaid

Fifteen annuals that will give the most cut-flowers during the entire summer and fall. All are long-stemmed and last well in water. Varieties included are as follows:

- | | | | |
|-------------------|------------|----------------|-------------------|
| Arctotis grandis | Calendula | Marigold, Tall | Sunflower, Single |
| Aster, Early | Calliopsis | Nasturtium | Sweet Peas |
| Aster, Late | Cosmos | Scabiosa | Zinnia, Giant |
| Bachelor's Button | Larkspur | Snapdragon | |

DWARF BEDDING FLOWER COLLECTION

7 full-sized packets of Best Dwarf Bedding Flowers. Catalogue Price 70 cts., all for 50 cts., postpaid.

Although listed as "Dwarf Bedding Flowers" these seven easily-grown annuals are equally valuable for porch and window-boxes and as edgings for taller-growing sorts. Collection includes one packet each of following:

- | | |
|----------|-------------------|
| Ageratum | Portulaca |
| Alyssum | Poppy, California |
| Lobelia | Petunia |
| Petunia | Verbena |

TALL BEDDING FLOWER COLLECTION

7 full-sized packets of Best Tall Bedding Flowers. Catalogue Price 70 cts., all for 50 cts., postpaid

This assortment, while making the finest beds, will also supply a large quantity of cut-flowers and includes one packet each of following:

- | | | |
|----------|--------|----------|
| Aster | Salvia | Poppy, |
| Balsam | Phlox | Shirley |
| Larkspur | | Scabiosa |

Cosmos

Nothing can take the place of Cosmos in the flower-garden. Although they do not commence to bloom as early as some of the other annuals, their handsome, fern-like foliage makes an excellent background for the smaller-growing flowers. As a cut-flower in the fall, it is unsurpassed, as you can cut and cut and still scarcely see that any flowers have been taken. Plant seeds indoors in March or April, or outdoors when danger from frost is past. Thin out or transplant to stand 10 to 12 inches apart.

EARLY FLOWERING.

The Early-flowering Cosmos will be found to be more satisfactory than the late Giant Cosmos in this latitude as they begin to bloom much earlier. They are also more dwarf in growth. Very floriferous.

White. Loose seed, pkt. 15c., 1/4oz. 30c., postpaid.

Pink. Loose seed, pkt. 15c., 1/4oz. 30c., postpaid.

Crimson. Loose seed, pkt. 15c., 1/4oz. 30c., postpaid.

Mixed. A superb mixture of all colors. Loose seed, pkt. 10 cts., 1/4oz. 25 cts., oz. 75 cts., postpaid.

LATE-FLOWERING, Giant Mixed.

A superb strain of the Giant or Late-flowering Cosmos blooming just before heavy frost in this latitude. Truly giants in size, often reaching the height of 8 feet, and fairly covered with blooms. Loose seed, pkt. 10 cts., 1/4oz. 25 cts., oz. 75 cts., postpaid.

DOUBLE-FLOWERING.

Complete description will be found among the Season's Novelties and Introductions, page 2.

Pink Beauty. Rich pink. Loose seed, pkt. 25c., ppd.

White Queen. Pure white. Loose seed, pkt. 25 cts., postpaid.

Crimson King. Deep crimson. Loose seed, pkt. 25 cts., postpaid.

COLLECTION:

One pkt. each of the 3 colors, 60 cts. Two pkts. each of the 3 colors, \$1



Mammoth Perfection Cosmos

Dahlias

Growing Dahlias from seed is very fascinating. Not only does it enable you to obtain a good collection very cheaply but, also, there is always the chance of producing a new variety. Both the double and single sorts will bloom the first year from seed if planted early. Start seed indoors in early April and transplant outdoors after all danger from frost is past.

Double Mixed. Mixed collected from the finest double varieties. Loose seed, pkt. 15 cts., postpaid.

Single Mixed. A select mixture of single forms. Loose seed, pkt. 15 cts., postpaid.

NOVELTY DAHLIA, STELLA.

A new and striking form described in full among the Season's Novelties and Introductions on page 2. Loose seed, pkt. 75 cts., 3 pkts. for \$2, postpaid.

Gomphrena (Globe Amaranth)

One of the most popular of the Everlasting Flowers. Grows 2 feet high and is covered with pink-and-white clover-like heads on fairly long stems. Very useful for beds or borders and fine for winter bouquets. Plant seed in May. Thin out to stand 15 to 18 inches apart. Loose seed, pkt. 10 cts., 1/4oz. 25 cts., postpaid.

Heliotrope

A half-hardy perennial and an old-time favorite. Plants grow about 2 feet high outdoors. Blooms are borne in heads well above the foliage. Flowers are very sweet-scented and a few plants will give a pleasing fragrance to your whole garden. Seed should be started indoors in March or April and transplanted outdoors as soon as all danger from frost is past. Seed may also be sown outdoors in May. Sow seed in drills not more than 1/2 inch deep. Loose seed, pkt. 15 cts., postpaid.

Helichrysum

The Standard Everlasting or Strawflower

Height 3 to 4 feet. Double daisy-like flowers with stiff, straw-like petals. If picked in the bud state they will last all winter. Sow seed outdoors in May and thin out to stand 1 to 1 1/2 feet apart. Loose seed, pkt. 10 cts., 1/4oz. 25 cts., oz. 75 cts., postpaid.



Helichrysum

Gypsophila

Elegans. Gypsophila, or Baby's Breath, is practically indispensable to the pretty arrangements of cut-flowers. A few sprays of it added to the most formal bunch of flowers will tend to give them a pleasing and airy effect. Thin out to avoid crowding. Plantings should be made two or three times during the summer as Gypsophila is not a continuous bloomer. Loose seed, pkt. 10 cts., 1/4oz. 20 cts., oz. 60 cts. Seedtape pkt. 10 cts., postpaid.

Kochia (Burning Bush)

Trichophylla Childsii. An excellent temporary hedge-plant also useful for borders of larger-growing plants, such as cannas, etc.; height 2 to 2 1/2 feet. Bushy and oval in shape with bright green, fern-like foliage in the spring and summer, turning to a brilliant glowing autumn red in the fall. Loose seed, pkt. 10 cts., 1/4oz. 25 cts., oz. 75 cts., postpaid.



Kochia trichophylla Childsii



Annual Larkspur

Double Stock-Flowered Larkspur

One of the prettiest and most valuable annuals for either cut-flowers or bedding. Height 1½ to 2 feet. Beautiful fern-like foliage with blooms of lavender, blue, pink, white, and rose borne on spikes resembling those of Perennial Larkspur but not so long. We offer below all the best separate colors and a superfine mixture.

Dark Blue. Rose.
Flesh. White.
Light Blue.

Loose seed, pkt. 15c.,
¼oz. 30 cts., postpaid
Mixed. Loose seed,
pkt. 10 cts., ¼oz.
25 cts., oz. 75 cts.,
Seedtape, pkt. 10c.,
postpaid.

COLLECTION:

One pkt. each of the 5
named sorts, 60 cts.,
postpaid

The Season's Best

Flower Novelties

are listed on
page 2

Lobelia

A dwarf-growing plant, bearing myriads of pretty little blue flowers. Fine for bedding and for window- or porch-boxes. Sow seed indoors in March or April or outdoors after all danger from frost is past. Thin out to prevent overcrowding. Loose seed, pkt. 10 cts., ½oz. 50 cts., postpaid.

Marigolds

One of the easiest annual flowers to grow and one of the few that is not attacked by insects or plant diseases. Plant seed outdoors in May, in drills ¼ inch, deep, and thin out to stand 2 feet apart for the African and 1 foot apart for the French.

French Dwarf. Dwarf, bushy growth about 1½ feet high, literally covered with small, semi-double blooms on short stems from midsummer until frost. Colors are usually mixtures of brown and yellow. A selected mixture containing all shades saved from the finest double blooms only. Loose seed, pkt. 10 cts., ¼oz. 25 cts., oz. 75 cts., postpaid.

Little Brownie (Legion of Honor). Slightly dwarfed growth than the above and blooms are single. Petals yellow on the edges, shading to rich mahogany-red at the centers. Loose seed, pkt. 15 cts., ¼oz. 50 cts., ppd.



African Marigold

MARIGOLDS, continued

AFRICAN, Tall Double. Plants are 3 to 4 feet high, with bushy, candelabra-like growth and strong, stiff stems and stalks. Does not require staking. Flowers are borne on long stems and are excellent for cutting. Blooms continuously from midsummer until killed by frost. Useful for backgrounds of smaller growing plants.

Orange Ball. Large, double, pompon-like, deep orange blooms. Loose seed, pkt. 15 cts., ¼oz. 50 cts., ppd.

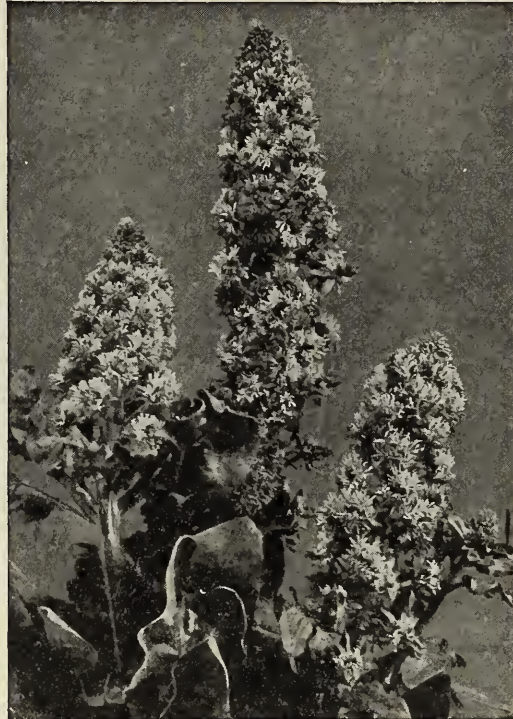
Lemon Ball. Large, double, pompon-like, clear yellow blooms. Loose seed, pkt. 15 cts., ¼oz. 50 cts., ppd.

Double Mixed. Superfine mixture. Loose seed, pkt. 10 cts., ¼oz. 25 cts., oz. 75 cts., postpaid.

NEW AFRICAN, DWARF ORANGE PRINCE. Complete description will be found among the Season's Novelties, page 2. Loose seed, pkt. 25 cts., 3 for 60 cts., postpaid.

Marvel of Peru (Four o'Clocks)

A very handsome annual flower in a large variety of colors. Plants are bushy, 18 to 20 inches in height, and bear a profusion of trumpet-shaped blooms in many colors from July until killed by frost. Sow seed in early May and thin out to stand 12 to 15 inches apart. Loose seed, pkt. 10 cts., ¼oz. 25 cts., postpaid.



Mignonette

Mignonette

In our opinion there is nothing that gives such a delicate fragrance to a garden as Mignonette. Sow seed outdoors, in the place where they are to bloom, after danger from frost is past. Should be thinned out to stand at least 4 inches apart. If Seedtape is used, little thinning out is necessary. Loose seed, pkt. 10 cts., ¼oz. 25 cts. Seedtape, pkt. 10 cts., postpaid.

Morning-Glory

Still supreme for covering fences and trellises. Sow the seed where the plants are to bloom, after all danger from frost is past. If care is taken when planting they will not need thinning out. Seedtape may be used to advantage where planted along in a row. Loose seed, pkt. 10 cts., oz. 30 cts. Seedtape, pkt. 10 cts., postpaid.

Nicotiana

Affinis (Tuberosed-flowered Tobacco). Plants are 2 to 3 feet tall, with large leaves, and bear profusion of white tuberosed-like flowers. Flowers are very fragrant, especially in the evening, a few plants being sufficient to give a most delicate scent to a whole garden. Plant seeds outdoors in May and thin out to stand at least 2 feet apart. Loose seed, pkt. 10 cts., ¼oz. 25 cts., postpaid.

Ornamental Gourds

Mixed. A superb mixture containing practically all the different varieties, such as Spoon, Egg, Turk's Turban, Knobkerrie, Pear, Hercules' Club, Luffa, Orange, Dipper, etc. Loose Seed, pkt. 10 cts., oz. 50 cts., postpaid.



Dwarf Nasturtiums

Nasturtiums

The most useful of decorative climbing annuals, and serviceable for covering unsightly fences or trailing over rocks; also particularly good for window-boxes and indoor culture in winter. Blooms are of brilliant colors and foliage rich dark green or purplish. Plant the seeds in drills 1 to 2 inches deep, after danger from frost is past. Unless they are planted very thickly they will not need thinning out. Nasturtiums are sometimes attacked by black lice or aphids. The best remedy that we know is very fine dust sprinkled on parts affected.

TALL VARIETIES. Most used for decorative purposes, such as covering unsightly fences and walls. They grow very quickly and will soon reach the height of from 8 to 10 feet. Foliage luxuriant, and flowers borne all summer. Due to the increasing demand for separate colors of all flowers, we offer the best three and most distinct varieties, together with our usual superfine mixture.

Crimson. Rich, deep crimson. Loose seed, pkt. 15 cts., oz. 25 cts., postpaid.

Yellow. Bright yellow. Loose seed, pkt. 15 cts., oz. 25 cts., postpaid.

Scarlet. Glowing scarlet. Loose seed, pkt. 15 cts., oz. 25 cts., postpaid.

Mixed. Superfine mixture of all colors. Loose seed, pkt. 10 cts., oz. 15 cts., ¼lb. 50 cts., postpaid.

DWARF VARIETIES. Make excellent borders or ribbon beds and often used for planting along the front edge of a vegetable garden, to act as sort of a hedge. Although they are of dwarf, bushy growth they make just as fine cut-flowers as the tall varieties.

Crimson. Rich, deep crimson. Loose seed, pkt. 15 cts., oz. 25 cts., postpaid.

Yellow. Bright yellow. Loose seed, pkt. 15 cts., oz. 25 cts., postpaid.

Scarlet. Glowing scarlet. Loose seed, pkt. 15 cts., oz. 25 cts., postpaid.

Mixed. Superfine mixture of all colors. Loose seed, pkt. 10 cts., oz. 15 cts., ¼lb. 50 cts., postpaid.



Balcony Petunias. See page 25



Phlox Drummondii

Pakro Giant Pansies, Mixed

Pansies are one of the most charming of our hardy bedding annuals. Seed planted in the early spring will commence to bloom in June, and if seed-pods are kept picked and runners cut back, they will continue until heavy frost in the fall. The seed may also be planted in September and the plants held over for spring in a coldframe. Plant the seed in well-prepared seed-bed, in drills 1/4 inch deep. When large enough, transplant to their permanent position, where they should be from 3 to 6 inches apart each way. Loose seed, pkt. 10 cts., 1/4oz. 75 cts., postpaid.

Petunia

Always a most satisfactory plant to grow in beds, borders, or window-boxes. Sow the seed in very shallow drills, as early in the spring as the ground can be worked into a loosened condition. For the best results the plants should be thinned out or transplanted to stand 10 to 12 inches apart. Ants are very fond of Petunia seed and should be exterminated if near where seed is planted.

Balcony Blue. Rich blue. Loose seed, pkt. 25c., ppd.
Balcony Pink. Clear pink. Loose seed, pkt. 25c., ppd.
Balcony White. Pure white. Loose seed, pkt. 25 cts., postpaid.

Bedding Mixed. A superb mixture of all bedding varieties in many shades. Loose seed, pkt. 10 cts., 1/4oz. 50 cts., postpaid.

Phlox Drummondii

Mixed. One of the best annual flowers for combining in a border with other flowers or for use in ribbon beds along walks or drives. Plants are about 1 foot high and covered until frost with heads of exquisite pink, white, yellow, and purple flowers. Sow seed as early in spring as ground can be worked into a loose condition, in drills 1/4 inch deep. If Seedtape is used, no thinning out is necessary. Loose seed, pkt. 10 cts., 1/4oz. 50 cts. Seedtape, pkt. 10 cts., ppd.

Pinks

Mixed. An old-fashioned favorite, especially well adapted for bedding and borders. They are very easy to grow. Plant the seed in drills 1/4 inch deep, as soon as the ground can be worked into a fine condition. Pinks may be held over winter by mulch of strawy manure. Loose seed, pkt. 10 cts., 1/4oz. 25 cts. Seedtape, pkt. 10 cts., postpaid.

Poppies

California (Eschscholtzia). A bed in full bloom of these large saucer-shaped flowers, in various shades of yellow with orange centers, gives a brilliant color effect. Seed should be planted as early as possible in spring in drills 1/2 inch deep. If Seedtape is used, no thinning out is necessary. They may also be planted on terraces and in spots where it is sometimes difficult to grow grass. Loose seed, pkt. 10 cts., 1/4oz. 25 cts. Seedtape, pkt. 10 cts., postpaid.

POPPIES, continued

Shirley, Mixed. Single Poppies have a grace and airiness found in no other flowers. They are of the easiest culture, and there is no reason why they should not be in every garden. The Pakro strain of mixed colors contains all the different shades of pink and red, as well as pure white. Loose seed, pkt. 10 cts., 1/4oz. 25 cts. postpaid.

Double. Mixture of the double varieties containing all shades of both the Carnation- and Peony-flowered varieties. Loose seed, pkt. 10 cts., 1/4oz. 30c., ppd.

Portulaca

Excellent for making low beds where masses of color are desired. It will grow where other flowers will not, and is therefore especially useful for sowing on banks and terraces. Sow seed thinly in drills or broadcast and rake in.

Single Mixed. All the finest single varieties in a superb mixture. Loose seed, pkt. 10 cts., 1/4oz. 50c., postpaid.

Double Mixed. All the finest double varieties in a superb mixture. Loose seed, pkt. 15 cts., 1/4oz. 75 cts., postpaid.

Ricinus zanzibariensis

Castor-Oil Bean

The immense plants and tropical foliage of Castor-Oil Beans make them very useful as specimen plants for centers of large beds. Soak the seed in water over night before planting. Plant outdoors after all danger from frost is past. Loose seed, pkt. 10 cts., oz. 30 cts., postpaid.

Salvia splendens (Scarlet Sage)

One of the most striking and distinctive of the tall bedding flowers. Plants are bushy in shape, covered with spikes of brilliant scarlet blooms. No flower-garden is complete without Salvia. Sow seeds indoors or in a hotbed and transplant to the open when all danger from frost is past. Plants should be 15 or 18 inches apart. Loose seed, pkt. 10 cts., 1/4oz. 50 cts., ppd.

Scabiosa

Large-flowering Mixed. The old-fashioned "Mourning Bride" greatly improved. One of finest annuals for cut-flowers comprising a wide range of beautiful colors. Plants about 2 feet in height, with flowers on 10- to 14-inch stems. Plant as soon as the ground can be worked into a fine loose condition and thin out to stand 6 to 8 inches apart. Loose seed, pkt. 10 cts., 1/4oz. 25 cts., oz. 75 cts., postpaid.

Stocks

Ten Weeks' Double, Mixed. Very popular, both for bedding and for pot culture. Plants are dwarf, about 15 inches tall, with flowers borne on spikes above foliage. Pakro special mixture contains a wide assortment of all popular colors. Plant outdoors as soon as weather has become settled. Sow seed in drills not more than 1/2 inch deep. Thin out or transplant to stand 6 to 8 inches apart. Loose seed, pkt. 10 cts., 1/4oz. 50 cts. Seedtape, pkt. 10 cts., postpaid.

The seeds I bought of you brought the finest flowers I have ever grown.—H. YOGMAN, Bayonne, N. J.



New Double Poppies



King White Spencer Sweet Peas

Pakro Sweet Peas

These beautiful and popular flowers are easy to grow by even the most inexperienced if the following few simple directions are carefully followed. Prepare the soil as early in the spring as possible and dig in plenty of well-rotted manure. Make the drills 3 inches deep and sprinkle about a handful of bone-meal for every 5 feet of row. Pull in a little dirt from the sides so that the bone meal is barely covered. Then sow the seeds, not too thickly (one every 2 inches is sufficient) and when the plants are firmly established thin out so that the plants stand 6 inches apart. Keep the soil well loosened on the top at all periods of growth. When 6 inches high they should be supplied with support in the way of brush, string, or wire netting. If the green fly (aphis) attacks the plants, sprinkle thoroughly with the finest dust obtainable. The varieties listed below, selected by the foremost Sweet Pea experts in America, include the 12 most beautiful shades and color combinations to be had in the Spencer or large-flowering type.

- King White.** Largest and best white.
- Hercules.** Soft rose-pink; very large flowers.
- Margaret Atlee.** Rose-pink on cream ground.
- George Herbert.** Rich rosy carmine, deeply waved.
- Tangerine.** The best orange yet introduced—approximately the color of a tangerine orange.
- The President.** Orange-scarlet; largest size.
- Charity.** Rich brilliant crimson.
- Illuminator.** Glowing cerise-salmon, sometimes showing a bright orange tinge.
- Orchid.** Best lavender or pure orchid color.
- Mrs. Tom Jones.** Bright delphinium-blue.
- Royal Purple.** Rich deep royal purple.
- Warrior.** Rich deep reddish maroon—the darkest Sweet Pea.

Loose Seed, pkt. 15 cts., oz. 50 cts., postpaid
COLLECTION: One pkt. each of the above 12 varieties, \$1.50 postpaid

Spencer, Finest Mixed. A superb mixture of all the finest Spencer varieties. Loose seed, pkt. 10 cts., oz. 30 cts., 1/4lb. 90 cts., lb. \$2.50. Seedtape, pkt. 10 cts., postpaid.

Early Flowering, Mixed. A decided adjunct to any garden, as they bloom two to three weeks before the standard varieties, increasing the season of bloom of these magnificent flowers. Loose seed, pkt. 15 cts., oz. 75 cts., 1/4lb. \$2.25, postpaid.

Grandiflora, Mixed. The old standard sort—strong, vigorous growers and covered with flowers, which though smaller than the Spencer type are very pretty and even more popular with many gardeners. Loose seed, pkt. 10 cts., oz. 15 cts., 1/4lb. 45 cts., lb. \$1.25. Seedtape, pkt. 10 cts., postpaid.

The Aster seed I got from you last year did fine and I want more of your seed. I shipped over \$400 worth of flowers from 2 lbs. of your seeds.—H. C. LOCKE, New Braunfels, Texas.

Sunflowers

Sunflowers will grow on practically any soil and are strong enough to combat the weeds themselves. Sow seed outdoors as soon as all danger from frost is past. Plants should be thinned out to stand 15 or 18 inches apart.

Single Mixed. Single Sunflowers of a smaller type than old-fashioned kind. Plants are not so stiff and are more open and branching. Individual flowers are graceful and airy and strongly resemble mammoth yellow daisies. They are excellent for cut-flowers. Loose seed, pkt. 10 cts., 1/4 oz. 25 cts., postpaid.

Chrysanthemum-flowered. A decided improvement over old-fashioned single Sunflower. Mammoth dandelion-like flowers, borne on stalks from 6 to 10 feet high. They make an excellent hedge or windbreak. Loose seed, pkt. 10 cts., oz. 25 cts., postpaid.

Mammoth Russian. The standard tall Sunflower, growing 12 to 15 feet in height. Used as windbreaks; also often for bean-poles by planting two or three seeds in each hill of beans, later thinning out to one Sunflower plant to support the beans. Seed is used for chicken and parrot food. Loose seed, pkt. 10 cts., oz. 20 cts., postpaid.

Zinnias

Sometimes called "Youth and Old Age." Few flowers are more easily grown, or bloom more abundantly throughout the season, and the wide range of color is not less remarkable than their unusual depth and richness. Plant seed as early in the spring as the ground can be worked into a fine loosened condition. When large enough to handle, thin out to 1 1/2 feet apart for the giant sorts and 1 foot apart for the dwarf sorts.

Dwarf Double Mixed. A dwarf, bushy variety, having the same characteristics as to bloom as the Giant Double variety listed below. Especially useful for borders and for combining in beds with small or dwarf-growing plants. Loose seed, pkt. 10 cts., 1/4 oz. 25 cts., postpaid.

Giant Double Mixed. Giant in size of both plants and flowers, this strain is unsurpassed as a background for dwarf-growing flowers. Colors are white, varying shades of pink and yellow and red. Individual blooms are large, often measuring 5 inches in diameter. Loose seed, pkt. 10 cts., 1/4 oz. 25 cts., postpaid.

NEW DOUBLE DAHLIA-FLOWERED ZINNIAS

A superb new type illustrated and described among Pakro Novelties and Introductions on page 2.

	Pkt.	Pkt.
Buttercup. Deep yellow.....	\$0 25	Polar Bear. Pure white.....
Canary Bird. Light yellow.....	25	Scarlet Flame. Scarlet.....
Crimson Monarch. Deep crimson....	25	Mixed. All colors mixed.....
Illumination. Rose.....	25	

Prices are for loose seed, postpaid

COLLECTION: One pkt. each of the 6 colors, \$1.25, postpaid; 2 pkts. of each of 6 colors, \$2.25



Single Sunflowers

Double Chrysanthemum-flowered Sunflower

Verbena

Hybrida Mixed. Verbenas are of low spreading growth. They are particularly effective for borders, bedding, and for window- or porch-boxes, bearing large clusters of showy flowers in many colors all through the long summer season until frost. Start seed indoors in March or April, or outdoors in May. Loose seed, pkt. 10 cts., 1/4 oz. 40 cts., Seedtape, pkt. 10 cts., postpaid.

Viscaria

Tom Thumb Rosy Gem. A charming dwarf bedding plant described fully on page 2 among Pakro Novelties and Introductions. Loose seed, pkt. 50 cts., 3 pkts. for \$1.25, postpaid.

GUARANTEED SEEDS

We do not advertise as long a list of seeds as some other seedsmen, nor do we disguise our offerings with fancy names, but we do guarantee all of our seed; to be true to type, of good germination, and our offerings to include the varieties best suited for average home-garden purposes. Your money refunded if you are not satisfied.



Pakro Giant-flowered Zinnias

All-in-One Wild Garden Mixture

Flower-gardening with the separate varieties is oftentimes tedious work, and some home gardeners are at a loss to know just what to plant. Also, there are often odd spaces that, although we would like to cover up with plants of some kind, we do not know just what would grow there. To take care of the above circumstances we offer a mixture of the "easiest to grow" flowers—a mixture that may be spread broadcast

on a bare spot or along a fence and raked in with an absolute certainty that flowers will grow. We have so combined this excellent mixture of the various sorts that no matter where you sow them you are sure of having at least four or five different varieties in bloom all summer long and we recommend it to all those flower-lovers who wish an attractive flower-bed with least amount of labor and care.

Loose seed, pkt. 10 cts., oz. 30 cts., 1/4 lb. \$1

VISCARIA, TOM THUMB.—A DELIGHTFUL NEW DWARF BEDDING PLANT. See Also Page 2



Perennial Flower Seeds and Plants

By careful selection of varieties and judicious planting your hardy garden can be made a "joy forever"—one that will be a riot of glorious color from early spring until late fall and each new spring will seem more gorgeous than the last.

Such a garden is within the reach of everyone. If you are just starting a hardy garden, we would advise that you buy both seeds and plants of the varieties selected, using the plants as a foundation for placing the different varieties and sowing the seeds in a well-prepared seed-bed in a corner of

your garden. Fill in the spaces between the hardy plants with easily grown annuals, such as Poppies, Bachelor Buttons, Calliopsis, etc., and when the perennial seedlings are ready to transplant in the fall, remove the annuals and group your new perennials around the foundation plants. In this way you may have a hardy garden that will look well from the very first and at a very reasonable cost.

The varieties listed below include all the most popular and easiest-to-grow kinds. We will supply other varieties on request.



Aquilegia

ANTHEMIS tinctoria Kelwayi (Golden Marguerite). Hardy perennial, 2 feet high. Flowers are daisy-like and deep yellow. Blooms from mid-summer until frost. Will grow on practically any soil. Loose seed, pkt. 15 cts., postpaid. Plants, 25 cts. each, \$2.50 per doz., by express.

AQUILEGIA, Long-spurred Hybrids. Columbine, or Aquilegia, is one of the finest hardy perennials. It is very easy to grow and once established increases in beauty from year to year. Plants are dwarf, about 10 inches high, and the flowers are held 10 to 12 inches above the foliage. Colors are pink, lavender, and yellow shades. Loose seed, pkt. 25 cts., postpaid. Plants, 25 cts., each, \$2.50 per doz., by express.

BELLIS perennis (English Double Daisy). Grows 6 to 8 inches high. Flowers are very double, about 1 inch in diameter. Blooms during May and June. Colors are pink and white. Plant outdoors after all danger from frost is past, in drills 1/4 inch deep. Thin out or transplant to stand 4 inches apart. Loose seed, pkt. 15 cts., postpaid. Plants, 30 cts. each, \$3 per doz., by express.

CAMPANULA. See Special Offer inside front cover page.

Hardy Chrysanthemums

Hardy Chrysanthemums are the fall flowers supreme. Plants are tall and bushy and bloom from late summer until long after heavy frost in the fall. We offer both the Pompon and Button types in the following colors: **White, Pink, Rose, Yellow, Red, and Bronze.** Please state preference when ordering. Plants, 25 cts. each, \$2.50 per doz., by express.

Special Chrysanthemum Assortments

To those of our customers who wish a showing of Chrysanthemums in a variety of color, we offer a selection of the finest hardy sorts at the special prices listed below. Suggestions as to colors desired will be welcomed and we will be pleased to make up the assortment in accordance to your wishes in so far as possible. Plants \$2.25 per doz., \$4 for 25 plants, by express.

ACHILLEA Ptarmica, The Pearl (Sneezewort). Hardy perennial 2 feet high. Flowers small, double, pure white, borne in heads. Blooms from the middle of July until killed by frost. Used as borders or for massed beds. Makes very fine cut-flowers. Also used in making up florist's bouquets. Loose seed, pkt. 25c., postpaid. Plants, 30 cts. each, \$3 per doz., by express.

ALYSSUM saxatile compactum (Golden Tuft). Hardy perennial 1 foot high. Broad, flat heads of bright yellow flowers. Blooms during April and May. Excellent for rock-gardens or borders. Loose seed, pkt. 15 cts., postpaid. Plants, 25 cts. each, \$2.50 per doz., by express.

ANCHUSA. See Special Offer inside front cover page.

CONVALLARIA majalis (Lily-of-the-Valley). Height 4 to 8 inches. Flowers are small, white, bell-shaped and borne pendant on spikes above the foliage. Very fragrant. Strong clumps 50 cts. each, \$5.50 per doz., by express.

COREOPSIS lanceolata grandiflora. Hardy perennial 2 feet high. Deep orange-yellow cosmos-like flowers on long stems. Excellent for cutting. Blooms during June and July. Will bloom the first year from seed if planted early. Easily naturalized and one of most satisfactory of the hardy perennials for the flower garden or perennial border. Loose seed, pkt. 15 cts., postpaid. Plants, 25 cts. each, \$2.50 per doz., by express.

Delphinium, Hardy Larkspur

Belladonna. Height, 3 to 4 feet. Flowers are a beautiful, clear sky-blue and borne on spikes 1 to 2 feet long. Blooms all summer. Loose seed, pkt. 25 cts., postpaid. Plants, 35c. each, \$3.50 per doz., by express.

Formosum. Same as Belladonna, except that it does not grow so tall and the flowers are dark blue with a white center. Loose seed, pkt. 15 cts., postpaid. Plants, 30 cts. each, \$3 per doz., by express.

English Hybrid Delphiniums. See full description and illustration on inside front cover page.

DIGITALIS gloxiniaeflora, Mixed. The old-fashioned Foxglove with its stately spikes of purple, pink, white, and yellow spotted flowers certainly deserves a place in every garden. Perfectly hardy with a little protection. Flowers are borne on spikes 3 to 4 feet high, well above the clump-like foliage during June and July. If cut back just before time to seed, will send out numerous short spikes in the fall. Loose seed, pkt. 15 cts., postpaid. Plants, 30 cts. each, \$3 per doz., by express.

FORGET-ME-NOT. *Myosotis palustris semperflorens.* The true early spring-blooming Forget-me-not. Fine for massing along small streams and in moist places and as an edging for spring-flowering bulbs or pansies. Forget-me-nots are hardy and may be left out all winter, provided they are given some protection. Loose seed, pkt. 10 cts., postpaid. Plants, 30 cts. each, \$3 per doz., by express.



Hardy Chrysanthemums

PLANT HARDY PERENNIAL SEEDS FOR AN ALL-TIME JOY GARDEN



Double Hollyhocks

GAILLARDIA grandiflora. See Special Offer inside front cover page.

GYPSOPHILA paniculata (Baby's Breath). Height, 2 to 3 feet. Foliage is fern-like; plants covered with tiny white flowers. Blooms during July and August. Much used in cut-flower work. Loose seed, pkt. 15c., postpaid. Plants, 30 cts. each, \$3 per doz., by express.

HELENIUM autumnale superbum (Sneezeweed). Height 4 to 5 feet. Flowers have broad, brilliant yellow petals with tufted centers. Blooms from late summer until frost. Excellent for cut-flowers. Loose seed, pkt. 15 cts., postpaid. Plants, 30 cts. each, \$3 per doz., by express.

Hollyhocks

One of the most showy and easiest perennials to grow, also one of the best flowers for planting along a hedge or fence or for use as a background for smaller-growing plants. Plant seeds outdoors as soon as the ground can be worked into a fine loosened condition. When large enough to handle, transplant or thin out to stand at least 1 1/2 feet apart. They will need a protective covering of strawy manure or leaves during the winter. If planted in April they will bloom the first year from seed; if planted in June they will bloom the following year.

Double Mixed. Loose seed, pkt. 10 cts., postpaid. Plants, 25 cts. each, \$2.50 per doz., by express.

Single Mixed. Loose seed, pkt. 15 cts., postpaid. Plants, 30 cts. each, \$3 per doz., by express.

Have planted your Seedtape and Seeds for three years and have had splendid results.—Mrs. C. E. LA VIGNE, Martin, Ohio.

Iris (Flag)

Germanica. Height, 1 1/2 feet. Blooms in May and June. We offer the following colors: White, Light Blue, Dark Blue, and Yellow. Plants, 25 cts. each, \$2.50 per doz., by express.

Japanese. Larger and taller growth than Germanica, with larger and more gorgeous flowers. Blooms during June and July. We offer the following colors: White, Light Blue, Dark Blue, Yellow, Pink, and Bronze. Plants, 40 cts. each, \$4 per doz., by express.

PHLOX decussata (Hardy Phlox). See Special Offer inside front cover page.

POPPY, Oriental. See Special Offer inside front cover page.

PYRETHRUM hybridum. See Special Offer inside front cover page.

SCABIOSA caucasica. Hardy perennial 3 feet high. Practically the same form of flower as the annual scabiosa but not so double. Blooms are soft lavender-blue in color. Especially valuable for cut-flowers as they last for long time in water. Blooms all summer. Loose seed, pkt. 15c., postpaid. Plants, 30 cts. each, \$3 per doz., by express.

SHASTA DAISY. The field daisy is now the official flower of the American Legion. The Shasta Daisy is the same color and shape as the field variety, but gives much larger and finer blooms. It is one of the easiest hardy perennials to grow—and will flower the first year from seed sown in early April. Sow seed indoors or in a hot-bed in drills 1/2 inch deep, and, when large enough to handle, transplant to permanent location. Loose seed, pkt. 25 cts., postpaid. Plants, 30 cts. each, \$3 per doz., by express.



German Iris



Shasta Daisies

STATICE latifolia (Sea Lavender). Plants 1 1/2 to 2 feet high. Flowers purplish blue in color and resemble *Gypsophila paniculata* in form. Blooms during July and August, and if cut and dried will last well through the winter in winter bouquets. Loose seed, pkt. 15 cts., postpaid. Plants, 35 cts. each, \$3.50 per doz., by express.

STOKESIA (Cornflower Aster). Plants grow 1 1/2 feet high. Blooms all summer. Flowers resemble those of the single Bachelor Button (*Centaurea Cyanus*).

Cyanea. Clear sky-blue. Loose seed, pkt. 15 cts., postpaid. Plants, 30 cts. each, \$3 per doz., by express.

Cyanea alba. Pure white. Loose seed, pkt. 15 cts., postpaid. Plants, 30 cts. each, \$3 per doz., by express.

SWEET WILLIAM. One of the finest and best-known hardy perennials but inclined to grow straggly with age, so that for best results it should be removed at least every three years. In fact, it is treated by many gardeners as a biennial and sowings of seed are made every year so as to have a supply of one-year-old plants for each new season. Loose seed, pkt. 15 cts., postpaid. Plants, 30 cts. each, \$3 per doz., by express.

VERONICA spicata (Speedwell). Hardy perennial with bushy foliage about 1 foot high, bearing long, narrow spikes of delicate sky-blue flowers on stems a foot long. Very pretty for borders and for cutting. Loose seed, pkt. 15 cts., postpaid. Plants, 25 cts. each, \$2.50 per doz., by express.

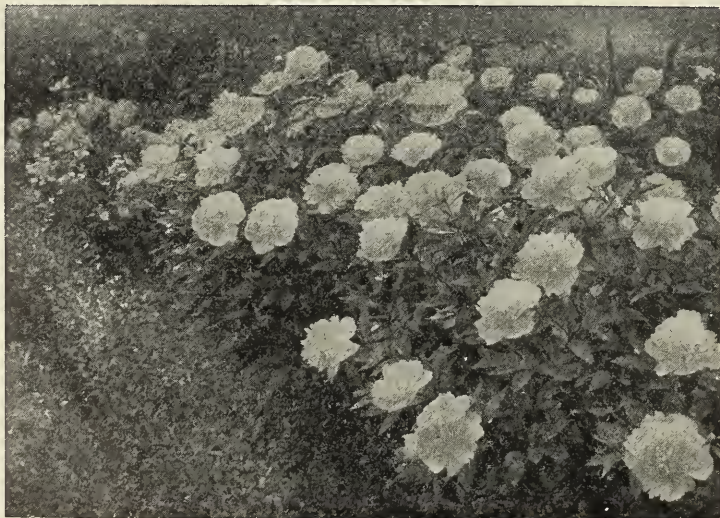
SPECIAL OFFERING HERBACEOUS PEONIES

In our fall catalogue we offered Peonies in three separate colors and mixed, and the response received was so great that we have decided to repeat the offer at this time, giving our customers another golden opportunity to obtain the highest grade Peony roots at approximately half the cost of named varieties.

Everybody admires the gorgeous blooms of Peonies in the spring. They are perfectly hardy, even without covering, and at the low price at which we offer them there is absolutely no reason why you should longer deny yourself the pleasure of these beautiful flowers.

	Each	Doz.	100 by express
White, Mixed.....	\$0 45	\$4 50	\$32 50
Pink, Mixed.....	45	4 50	32 50
Red, Mixed.....	50	5 00	36 00
All Colors, Mixed.....	40	4 00	30 00

In ordering, please state colors wanted and note that we cannot supply less than one dozen of a single variety at the dozen rate, nor less than 100 of a single variety at the hundred rate.



Border of Peonies

DON'T FORGET TO INCLUDE NEW DAHLIA-FLOWERED ZINNIAS IN YOUR ORDER. See Page 2

Pakro Dahlias

Dahlias have literally taken the flower-lovers of the United States by storm. So much can be done with them and they are such beautiful flowers in garden and yard, also for cut-flowers in the house, that we urge you to grow more of them this year. Dahlias are easy to grow and do not require an extremely rich soil, in fact, too rich a soil produces plants that have abundant foliage but very few flowers. Any good garden soil will grow the finest Dahlias provided they are properly cared for.

Plant the roots 2 to 3 inches deep and at least 1½ feet apart. When the plants are eighteen to twenty inches high, stakes should be provided for support and the plants tied to them with soft string. Except in seasons of extreme draught, it is better not to water but to preserve the moisture in the soil by frequent and thorough cultivation. If watering is necessary, do it thoroughly so that there will be enough to sink down into the soil at least 2 feet.

Our list includes the finest of all types, as well as a wide range of colors, shapes, and sizes. Plan now for a garden full of handsome Pakro Dahlia blooms next fall.

Two Grand New Decorative Dahlias

Plant Them and Win a Prize at Your Local Dahlia Show

INSULINDA. Bronzy orange with salmon tint—a real autumn shade. Long, stiff stems. Roots, \$2.50 each, postpaid.

SHUDOW'S LAVENDER. An exquisite shade of lavender and one of the finest of the Decorative type. Long, stiff stems. Roots, \$6.50 each, postpaid.

Selected Dahlias. All Best Type

Your Favorite is among Them or We Can Supply it on Request

- A. D. Livoni.** Show. Delicate shell-pink. 50 cts. each, postpaid.
- Attraction.** Hybrid Cactus. Very finely formed blooms of delicate lavender-pink. 60 cts. each, postpaid.
- Dr. Trevis.** Hybrid Cactus. Salmon-rose suffused with gold. \$1 each, postpaid.
- Edith Cavell.** Peony. Reddish bronze shaded old-gold. \$1.50 each, postpaid.
- Etendard de Lyon.** Cactus. A beautiful shade of carmine-rose. 60 cts. each, postpaid.
- George Walters.** Hybrid Cactus. Salmon-pink. One of the finest Dahlias. \$1.25 each, ppd.
- H. J. Lovink.** Peony. White shaded with lavender, exceptionally fine blooms. 50 cts. each, postpaid.
- Jack Rose.** Decorative. Brilliant crimson-red. 50 cts. each, postpaid.
- Kalif.** Hybrid Cactus. Pure scarlet. 50 cts. each, postpaid.
- King of Autumn.** Decorative. Beautiful autumn shades. 75 cts. each, postpaid.
- King Albert.** Decorative. Rich deep purple. \$1 each, postpaid.
- Louisiana.** Peony. Old-rose and gold—a beautiful bloom. 75 cts. each, postpaid.
- Minnie McCullough.** Decorative. Yellow overlaid with bronze; very attractive. 50 cts. each, postpaid.
- Madonna.** Cactus. Pure snow-white. 75 cts. each, postpaid.
- Mrs. Richard Lohrmann.** Hybrid Cactus. Pure golden yellow. \$1 each, postpaid.
- Queen Esther.** Decorative. Apple-blossom-pink. 75 cts. each, postpaid.
- Red Hussar.** Decorative. The finest deep red of this type. 50 cts. each, postpaid.
- Sylvia.** Decorative. Flesh-pink with white center. 50 cts. each, postpaid.
- S. L. Austin.** Peony. Pure white; fine for cutting. 50 cts. each, postpaid.
- The Bride.** Single. The largest pure white Dahlia. 30 cts. each, postpaid.



New Decorative Dahlia, Insulinda

SUPERB DAHLIA COLLECTION FOR \$10

If you are a real Dahlia "fan" you will certainly want the 20 superb varieties listed above and in order to do our part in distributing these magnificent blooms, we make a special offer of one tuber of each for \$10, postpaid. Catalogue price, if purchased separately, would be \$14.35, so that you save, in all, \$4.35 on one of the finest Dahlia assortments ever offered.

Glorious Gladioli

Gladioli easily rank among the most attractive and useful cut-flowers produced from summer-flowering bulbs. They will grow in any well-drained soil. Plant the bulbs 3 to 4 inches deep and 10 to 12 inches apart. For a succession of blooms from August until October, plantings should be made every ten days from April 1 to the middle of June. Gladioli should be watered thoroughly in extremely dry weather, but remember that too little water is worse than none at all. We have been fortunate in securing six of the very newest Gladioli from a well-known New Jersey grower who makes a specialty of breeding only the finest varieties. Several of these are his own introductions. If you are interested in having the newest and best forms, one or all of the following varieties should be included in your order. All are strong, vigorous growers and of the finest shades procurable.

New and Rare Gladioli

- Alice Tiplady.** Primulinus. Beautiful shade of orange-saffron. 35 cts. each, \$3.50 per doz., postpaid.
- Byron L. Smith.** Delicate pink on white ground. 60 cts. each, \$6 per doz., postpaid.
- Carmen Sylvia.** Practically pure white. 60 cts. each, \$6 per doz., postpaid.
- Crimson Glow.** A superb shade of rich red. 50 cts. each, \$5 per doz., postpaid.
- Evelyn Kirtland.** Deep rosy pink with shell-pink throat—a delightful color. 35c. ea., \$3.50 per doz., ppd.
- Matthew Crawford.** Creamy pink. 50 cts. each, \$5 per doz., postpaid.

COLLECTION: One each of the 6 "New and Rare Gladioli," \$2.50 postpaid. One doz. each of the 6 "New and Rare Gladioli," \$25 postpaid

Cream of the Standard Sorts

In addition to the six new kinds listed above, we give below ten varieties which include the best shades and finest formed spikes of the standard sorts. Each is a separate and distinct color and should have a place in every garden where a complete assortment is desired. In view of the very reasonable prices there is no reason why even the most modest gardener should not indulge to his or her heart's content in these glorious blooms.

- America.** Pink. 60 cts. per doz., \$4 per 100, postpaid.
- Baron J. Hulot.** Purple. \$1 per doz., \$7.50 per 100, postpaid.
- Empress of India.** Dark maroon. \$1.25 per doz., \$9 per 100, postpaid.
- Halley.** Salmon. 75 cts. per doz., \$5.50 per 100, ppd.
- Mrs. F. Pendleton.** Light pink, blotched red. 90 cts. per doz., \$6.25 per 100, postpaid.
- Niagara.** Splashed carmine. 90 cts. per doz., \$6.25 per 100, postpaid.
- Panama.** Deep pink. 75c. per doz., \$5.50 per 100, ppd.
- Peace.** Nearly white with pale violet splashes. 90 cts. per doz., \$6.25 per 100, postpaid.
- Mrs. Francis King.** Vermilion-scarlet. 60 cts. per doz., \$4 per 100, postpaid.
- Schwaben.** Yellow. \$1 per doz., \$7.50 per 100, ppd.

GLADIOLI, "TEN BEST" COLLECTIONS

Your special attention is called to the wonderful values offered in the following collections, and a comparison with other offerings will convince you that you cannot do better anywhere.

COLLECTIONS. One each of the above 10 varieties, 75 cts.; one-half doz. each \$4; one doz. each \$7.50, all postpaid.

Pakro Superfine Mixture, Best Named Gladioli

This is not a field-grown mixture but a careful blending of every color represented in both the old and new varieties. All bulbs are full flowering age and will produce excellent blooms either for cutting or for use in mixed borders. 50 cts. per doz., \$3.50 per 100, postpaid.

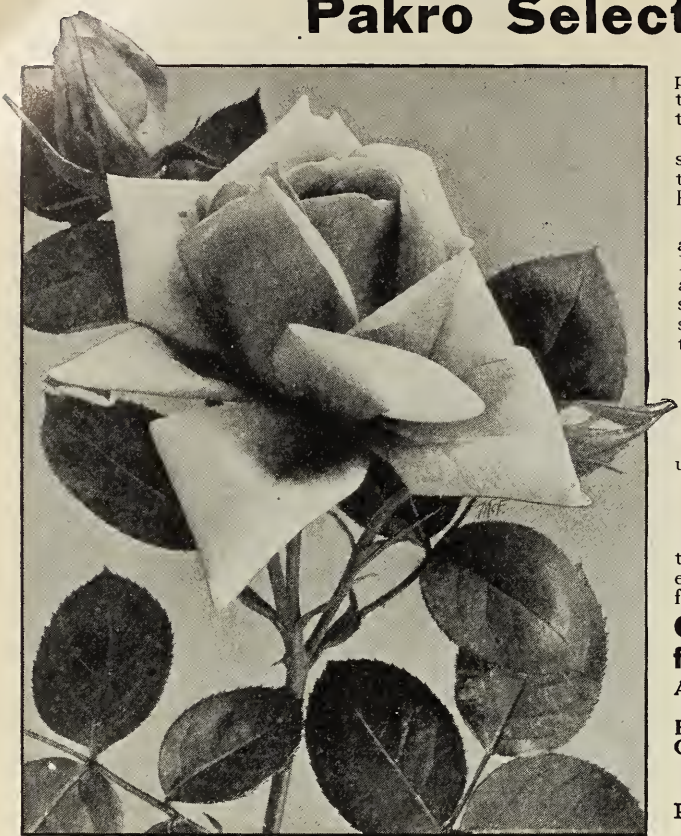
Kunderd's Primulinus, Mixed

This superb new type of Gladioli is welcomed by all lovers of flowers. The individual blooms are slightly smaller than the other types but are more gracefully placed on the stalk. Wonderful shades of yellow ranging from pale sulphur to the deepest orange. Unexcelled as cut-flowers. 75 cts. per doz., \$5 per 100, postpaid.



Pakro Gladioli

Pakro Selected Roses and Shrubs



Los Angeles Rose

Rose-lovers will find on this page a carefully selected list of the newest and most popular varieties of hardy Hybrid Everblooming Rose bushes. Only those kinds known to give best satisfaction in the northern sections of the country have been included, and the range of colors offered takes in all the really beautiful and popular shades.

We ship only two-year-old dormant stock, grown outdoors in open fields, thus insuring strong, healthy roots. We dig plants as early in the spring as possible and ship to you the same day as dug. They should be planted immediately upon receipt. All orders are handled and packed by experienced men, and we guarantee safe arrival by express.

Culture.—The best soil to grow Roses is good top soil with well-rotted cow-manure added. Dig out the bed to a depth of 2 feet or more, providing for drainage if necessary. Fill in with mixture of soil and manure as above. Hybrid Teas should be set 1½ feet apart, Hybrid Perpetuals 2 feet apart, and both 8 inches from the edge of the bed. They should be planted with the roots well spread out and placed about 9 inches below the surface of the ground, with soil made firm about them and liberally watered. Throughout the summer the surface soil should be cultivated weekly.

Winter Protection. In this latitude, Rose plants should be well protected from the winter weather. Before freezing sets in, mound the soil around the branches of the plant 8 to 12 inches high and cover with loose material such as straw manure, leaves, litter, or evergreen boughs.

The most serious insect pest that attacks Roses is the Rose bug. We recommend the use of MELROSINE listed on page 31 of this catalogue as a splendid remedy for this pest.

Best Six Hybrid Perpetual Roses

The Roses of our grandmother's garden and although superseded in many gardens by the Hybrid Teas they have a distinctive charm that will never allow them to become extinct. You cannot have a representative Rose-garden without some of these fine old favorites.

Collection One each of the following selected varieties of Hybrid Perpetual Rose Bushes for \$3.75 (shipped by express). If purchased separately they would cost \$4.50.

American Beauty. American Beauty—pink.

Frau Karl Druschki. Pure white.

General Jacqueminot. Brilliant scarlet-crimson. One of the best known Roses under cultivation.

Mrs. John Laing. Very free flowering; soft pink.

Soleil d'Or. Orange-yellow to reddish gold. Very striking.

Ulrich Brunner. Bright cherry-red. Very full flowers.

Prices, any of the above varieties, strong field-grown plants, 75 cts. each, \$7.50 per doz., by express. If wanted by parcel post add 10 cts. per plant

Best Twelve Hybrid Tea Roses

We consider the following the best and hardiest twelve Hybrid Teas regardless of date of introduction. They all deserve a place in every garden.

Collection for \$10.00 Have a complete Rose-garden of the best varieties by planting one each of the following selected Hybrid Teas for \$10. If purchased separately they would cost \$12. Two collections for \$19. Shipped by express.

Columbia. Beautiful pink buds and blooms; stems almost thornless.

Etoile d'France. One of the best red Roses—bright glowing crimson.

Duchess of Wellington. Saffron-yellow, stained with deep crimson.

Gruss an Teplitz. Splendid, vigorous grower that blooms continuously until fall. Velvety crimson.

Los Angeles. Flame-pink and coral, delicately shaded with gold. One of the best.

Jonkheer J. L. Mock. A unique combination of cherry-red and silver-pink.

Mme. Caroline Testout. Satiny shade of rose. Very free blooming and fragrant.

Mrs. Aaron Ward. Rich, clear yellow, changes to pink as flowers open.

Ophelia. Clear bright salmon.

Premier. Clear pink; an excellent grower.

Radiance. A delightful shade of pink.

White Killarney. Pure white; very fragrant.

Prices, any of the above varieties, strong, field-grown plants, \$1 each, \$10 per doz., by express. If wanted by mail, add 10 cts. per plant for postage

Climbing or Trailing Roses

Climbing Roses include most of the beautiful delicate rose shades and are unsurpassed for covering fences, trellises, arches, or even for planting on banks or terraces where it is difficult to keep grass.

American Pillar. Single, large, pink blooms with white eye and yellow stamens. 75 cts. each, by express.

Dorothy Perkins. Charming double pink blooms. 75 cts. each, by express.

Dr. Van Fleet. A long stemmed climbing pink rose. Valuable for cutting. 75 cts. each, by express.

Crimson Rambler. The old time crimson favorite. 75 cts. each, by express.



American Pillar Rose

Flowering Shrubs

We offer but a few of the more popular shrubs because of limited space, but will be glad indeed to quote special prices on any other varieties that you may be interested in, as well as ornamental or fruit trees of all kinds.

Deutzia

Candidissima. Pure white double blooms. 2-ft. plants, 50 cts. each, \$5 per doz., by ex.

Crenata flore-pleno. Same as above, with double pink flowers. 2-ft. plants, 60 cts. each, \$6 per doz., by express.

Forsythia (Golden Bell)

Fortunei. The first shrub to bloom in the spring. Bears golden yellow flowers. 2-ft. plants, 50 cts. each, \$5 per doz., by express.

Hydrangea (Snowball)

Grandiflora. One of the best late-blooming shrubs. Bears immense panicles of pure white flowers in August. 2-ft. plants, \$1 each, \$10 per doz., by express.

Philadelphus (Mock Orange)

Coronarius. The individual blooms somewhat resemble orange blossoms and are very sweet-scented. Blooms in June. 2-ft. plants, 50 cts. each, \$5 per doz., by express.

Spiraea (Snow Garland)

Van Houttei. Small, single white flowers borne all over the plant in early spring before the leaves open. 2-ft. plants, 50 cts. each, \$5 per doz., by express.

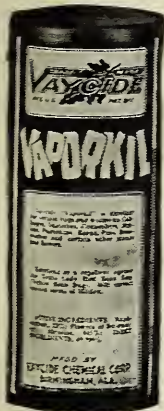
Syringa (Lilac)

Lilacs are popular everywhere. We can supply all the different varieties at prices ranging from 50 cts. to \$1 per plant, according to size and colors. Write us your requirements.

GARDEN REQUISITES AND SUNDRIES

We call our customers' especial attention to the method by which each of the following is shipped, as noted immediately following the price. A great saving in transportation charges can be effected by ordering all your sundries early and having them shipped by freight instead of express.

INSECTICIDES AND FUNGICIDES



VAYCIDE VAPORKIL. A safe, non-poisonous insecticide that kills bugs by suffocation. Very effective against potato bugs, cabbage, tomato, cucumber and melon worms, also the green aphid which infests sweet and garden peas. Vaporkil is repellent to insects of all sorts, and if used frequently will keep the garden practically free from these pests. Lb. box, (sifter top), 35 cts., (45 cts. by mail), 3-lb. carton, \$1 (\$1.20 by mail), by express.

VAYCIDE BLIGHT AND BUG MIXTURE. Very effective against practically all chewing and leaf-eating insects. Also a preventive of blights and diseases. One pound will make 20 gallons of spray. *Cannot be mailed.* ½ lb. 45 cts., lb. 75 cts., by express.

VAYCIDE BLACK DEATH. Fine, gray, highly concentrated powder, in box with a sifter top. Sure death to potato bugs, cabbage, army and tomato worms and practically all leaf-eating and chewing insects. *Cannot be mailed.* Lb. box (sifter top) 25 cts., 3-lb. carton 50 cts., by express.

O. K. PLANT SPRAY. One of the best plant sprays for all soft-bodied insects, either indoors or out. Very effective against rose bugs. *Cannot be mailed.* Qt. \$1, gal. \$3, 5 gals. \$10, by express.

O. K. WEED KILLER. For killing weeds in walks, drives, and gutters. Simply mix the Weed Killer with water, as per directions on can, and apply with watering-pot. *Cannot be mailed.* Qt. \$1, gal. \$3, 5 gals. \$10, by express.

RAT CORN. Sure death to rats; harmless to human beings. Pkg. 50 cts., by express; 60 cts., by mail.

TREE TANGLEFOOT. Sticky banding compound especially adapted for protecting trees from all kinds of climbing insects. One application lasts three to four months. Lb. can 50 cts. (60 cts. by mail), 5-lb. can \$2.25 (\$2.75 by mail), 10-lb. can \$4.25, by express.

NICOTINE FUMIGATOR. The best fumigating material for greenhouse conservatories, etc. Contains 12½ per cent nicotine. Burns steadily and does not go out. *Cannot be mailed.* 2½-lb. can \$3, 10-lb. can \$10, by express.

HAMMOND'S SLUG SHOT. One of the most reliable insecticides for potatoes, cabbage, currants, etc. Also effective against chicken lice. Lb. carton (sifter top) 25 cts. by express, (35 cts. by mail). Write for prices on larger quantities.

APHINE. For all kinds of aphid, thrips, and soft scale. Liquid spray. *Cannot be mailed.* Pt. 65 cts., qt. \$1, gal. \$3, by express.

VERMINE. For ridding the soil of maggots, worms, grubs, and root lice. Liquid spray. *Cannot be mailed.* Pt. 65 cts., qt. \$1, gal. \$3, by express.

MELROSINE. Destroys the rose bug without injury to flowers. Should be sprayed daily from time bugs appear until season is over. *Cannot be mailed.* Pt. \$1, qt. \$1.75, ½ gal. \$3.25, gal. \$6, by express.

GARDEN FERTILIZERS

Alphano Humus

The Ideal Natural Fertilizer

Alphano Humus is clean and pleasant to handle—often as effective as manure or commercial fertilizer, and may be used on the most tender plants and seeds without danger of burning them. The plant food is immediately available and it improves the soil for subsequent crops as well as providing food for the crop on which it is applied.

For lawns apply at the rate of 100 to 200 lbs. per 1,000 square feet; for vegetable and flower gardens use 300 to 400 lbs. per 1,000 square feet. Don't confuse Alphano Humus with the unprepared, often sour, water-logged humus sold under various names.

Prices, f. o. b. Madison, N. J., 100 lbs. \$2.50, 500 lbs. \$11, 1,000 lbs. \$20, ton \$35, packed in 100 lb. bags.

Prices, f. o. b. factory, Alphano, N. J., carload in bags (20 tons) \$18 per ton; carload, bulk (30 tons) \$12 per ton.

Pulverized Sheep Manure

Pure Sheep Manure, sterilized and weed seeds killed by heating, and pulverized for convenient handling. Perfectly safe for any kind of gardening or landscape work. It is unexcelled as a top-dressing for lawns. Use 10 pounds for each 100 square feet of surface and work well into the soil. A hundred pound bag is equivalent to a load of barnyard manure.

2-lb. carton, 20c. (Add 10c. if by mail.)
5-lb. carton, 40c. (Add 20c. if by mail.)
10-lb. bag, 65 cts. (Add 30 cts. if by mail.)
50-lb. bag, \$2. Via freight or express.
100-lb. bag, \$3.50. Via freight or express.
500-lb. bags, \$16. Via freight or express.
Prices on larger quantities on request.

BONE-MEAL. Pure ground bone. One of the best all-round fertilizers for vegetable- or flower-gardens and lawns. 50 lbs. \$2.50, 100 lbs. \$4.25, 500 lbs. \$19, by freight or express.

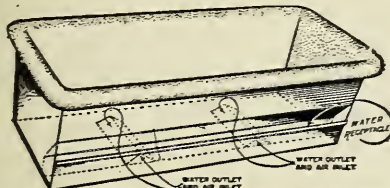
STIM-U-PLANT

An all-the-year fertilizer for garden and house plants. Stim-U-plant is the most effective concentrated fertilizer manufactured. It can be used easily and profitably on flowers, shrubs, vegetables, fruit, and ornamental trees, and will promote more rapid growth and earlier maturity than any other grade of fertilizer. The food value of Stim-U-plant tablets is immediately available and one of their chief uses is in the feeding of growing plants. Used in tablet form or dissolved in water as a liquid fertilizer at the rate of one tablet to a quart. 10 tablets for 15 cts., 30 for 25 cts., 100 for 75 cts., 1,000 for \$3.50, postpaid.

CHEM-BONE. An odorless bone-meal fertilizer packed in attractive sifter-top cans. Can 35 cts., postpaid.

Inoculant

Peas, beans, clovers and alfalfa are all nitrogen-making plants, but, at the same time, they are nitrogen-using plants, and must have available at all times an ample supply of nitrogen to promote the best growth. By inoculating your seed with Farmogerm you are assured that there will be enough of this bacteria present in active form to produce the finest growth possible. Full directions for use are on every bottle of Farmogerm. Try it on your peas and beans this year and note the difference. Prices, Garden Size, for inoculating peas, beans, and sweet peas, 50 cts. We carry a complete line of Farmogerm for inoculating farm crops. Price: 1-acre size, \$1; 3-acre size, \$2.50; 12-acre size, \$9; all postpaid. Be sure to state crop for which it is desired.



SUCCESS SELF-WATERING FLOWER-BOXES

Made of galvanized sheet steel, lock seamed and soldered water tight. Trough provided at the bottom for watering and draining off excessive moisture. Soil cannot become water logged. Box is 8½ inches wide by 6¼ inches deep. 30-in. size \$2.50 each; 36-inch, \$3.50 each, by express. (Add 10 per cent if wanted by parcel post.)

SELF-WATERING HANGING-BASKETS

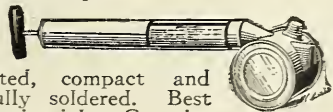
Same construction as flower box, 10 inches square and 7 inches deep. Complete with chains, \$3 each. (Add 10 per cent if wanted by parcel post.)

Sprayers



BOSS KNAPSACK SPRAYER. Compressed air sprayer, durable, simple and ideal for garden or other spraying. Capacity, 4 gallons, discharged with two or three pumpings. Can be slung over shoulder and easily carried. Made of heavy galvanized iron or brass; brass pump and working parts. Automatic nozzle, self-cleaning. Brass price \$10, by freight or express. Galvanized, price \$8 by freight or express.

HAND SPRAYERS.



Extra strong, substantially constructed, compact and handy. Carefully soldered. Best for all small spraying jobs. Capacity one quart. Price, 75 cts. each, postpaid.

Adjusto Plant Supports

Consist of two parts, a green painted oak stake, pointed at the bottom, and a tough wire hoop, painted to prevent rust. The wire slides up or down the stake and will stay in any position. Can be opened and placed around the plant without injury. 2-ft. high, 75 cts. per doz.; 3-ft. high, 15 cts. each, \$1.75 per doz.; 4-ft. high, 20 cts. each, \$2 per doz., by express. (If wanted by mail, add 10 per cent to cover postage.)

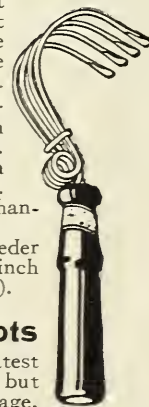
Neponset Paper Pots

Made of waterproof paper, long-lasting and unbreakable. Ideal for starting seedlings indoors. Can be sent by mail. 2½-in. pots 20 cts. per doz., \$1 per 100; 3-in. pots 25 cts. per doz., \$1.40 per 100; 4-in. pots 30 cts. per doz., \$2 per 100, by express. If wanted by mail add 5 cts. per doz. or 25 cts. per 100 to prices listed.

Magic Weeder Hoes

Magic Weeder Hoes are almost indispensable to the well-kept garden or flower-bed. They are made of strong steel wires in the shape of a claw (see illustration). Cultivates close to small plants.

Style A. Three prongs. 6-inch handle, 20 cts. (25 cts. by mail).
Style B. Three prongs. 18-inch handle, 30 cts. (35 cts. by mail).
Style C. Four prongs. 8-inch handle, 40 cts. (45 cts. by mail).
Style F. A much heavier weeder with four prongs and a 42-inch handle, 80 cts. (90 cts. by mail).



Red Clay Flower-Pots

We pack these with the greatest care and ship by express collect, but cannot be responsible for breakage.

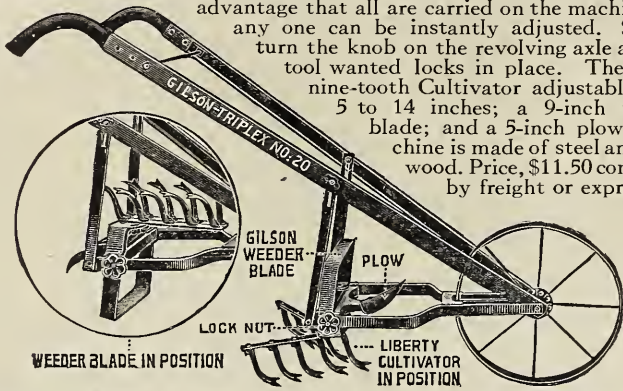
	Doz.	100	Doz.	100
2-in. ...	\$0 30	\$1 50	5-in.	\$1 00 \$6 00
2½-in. ...	35	1 75	6-in.	1 50 \$8 50
3-in.	45	2 25	7-in.	2 00 14 00
4-in.	65	3 25	8-in.	2 50 20 00

Write for prices on larger quantities.

GARDEN REQUISITES AND SUNDRIES, continued

Gilson Triplex Cultivator No. 20

This new garden Cultivator combines three useful tools in one, with the advantage that all are carried on the machine and any one can be instantly adjusted. Simply turn the knob on the revolving axle and the tool wanted locks in place. There is a nine-tooth Cultivator adjustable from 5 to 14 inches; a 9-inch weeder blade; and a 5-inch plow. Machine is made of steel and hard wood. Price, \$11.50 complete, by freight or express.



GILSON LIBERTY CULTIVATOR NO. 2. Similar to the above but has only the Cultivator teeth. Price, \$5.50, by freight or express.



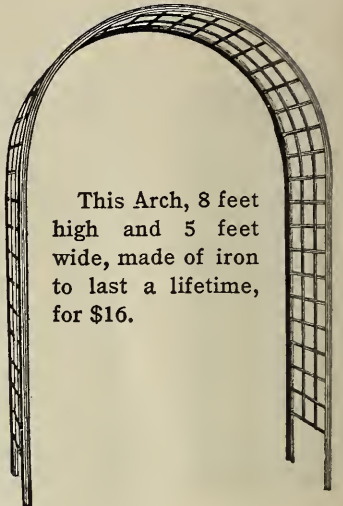
Palisade Hose

Best quality, three-fourth inch non-kinkable rubber Hose. Will last for years with proper care. Supplied with snap couplings. 25-ft. length \$4.50, 50-ft. length \$8.50, by freight or express. Write for prices on large quantities.

Garden Arches and Trellises

Nothing makes quite so pleasing an entrance to a yard or garden as an arch covered with climbing vines or roses. The one illustrated is 8 feet high, 5 feet wide, and 1 foot 10 inches deep. Strongly made of iron and painted green. Price, \$16, f. o. b. Madison, N. J.

NOTE.—We make trellises and arches of all kinds to order. Send us your specifications for prices before buying elsewhere.



This Arch, 8 feet high and 5 feet wide, made of iron to last a lifetime, for \$16.

Hotbed Sash

Have a hotbed and grow your own cabbage, tomato, etc., plants; have lettuce and radishes two to three weeks earlier in the spring and Spinach practically all winter. Sash 6 by 3 feet, glazed with double-strength glass \$7, f. o. b. New York; same size, double glazed, leaving an air space between the two layers of glass \$13, f. o. b. New York. Write for prices on lots of 25 or more.

Hotbed Mats

For protecting hotbeds from cold in early spring and fall. Will cover two standard sash. Size 76 x 76 inches \$4 each, \$40 per doz., by freight or express.

Garden Labels

Keep your garden orderly and know the varieties planted by using Garden Labels. 6-in. 20 cts. per doz., \$1.50 per 100; 8-in. 25 cts. per doz., \$2 per 100; 10-in. 30 cts. per doz., \$2.50 per 100; 12-in. 40 cts. per doz., \$3 per 100, postpaid. Prices on larger quantities and different sizes gladly sent on request.

Vegetable Planting Guide

The chart given below is made up for your convenience. No definite date can be given as to the time to plant as the seasons vary from year to year.

Vegetable	Class	Depth to Sow	Rows Apart	Distance Between Plants
Beans, Dwarf	C, G	2 in.	18-24 in.	2-4 in.
Beans, Lima	B, G	2 in.	3-4 ft.	3 ft. (hills)
Beet	D, E, F	1/2-1 1/2 in.	12-15 in.	3-4 in.
Brussels Sprouts	A, E	1/2 in.	2 ft.	18 in.
Cabbage	A, C, E	1/2 in.	2-2 1/2 ft.	18-24 in.
Carrot	C, F	1/2 in.	12-15 in.	2-3 in.
Cauliflower	A, E	1/2 in.	2 ft.	18 in.
Celery	A, E	1/2 in.	3-4 ft.	6 in.
Corn	B, E, G	2 in.	3-4 ft.	3 ft. (hills)
Corn Salad	B, F	1/2 in.	2 ft.	6 in.
Cucumber	B, G	1 in.	4 ft.	4 ft. (hills)
Eggplant	A, B	1/2 in.	2 1/2 ft.	2 ft.
Endive	E, F	1/2 in.	12-15 in.	6-10 in.
Kale	A, E	1/2 in.	2 1/2 ft.	1 ft.
Kohlrabi	C, F	1/2 in.	15-18 in.	4-6 in.
Leek	C, E	1/2 in.	15 in.	2-4 in.
Lettuce	C, E, F	1/4 in.	12-18 in.	6-10 in.
Muskmelon	B, G	1 in.	4-6 ft.	4-6 ft. (hills)
Mustard	C, E, F	1 in.	12-18 in.	3 in.
Okra	B, G	1/2-1 in.	3 ft.	2 ft.
Onion	B, F	1/2 in.	12-15 in.	2-3 in.
Parsley	B, F	1/2 in.	12 in.	2-4 in.
Parsnip	B, G	1/2-1 in.	18 in.	3-5 in.
Peas	C, D, F	2-3 in.	3-5 ft.	2-4 in.
Pepper	A, B	1/2 in.	2 1/2 ft.	2 ft.
Pumpkin	B, G	1 in.	6-8 ft.	6 ft. (hills)
Radish	C, F	1/2 in.	12 in.	2-3 in.
Rutabaga	B, G	1/2 in.	2 ft.	3-5 in.
Salsify	B, G	1 in.	2 ft.	4 in.
Spinach	C, E, F	1/2-2 in.	18 in.	3-6 in.
Squash	B, G	1-1 1/2 in.	4-8 ft.	4-8 ft. (hills)
Swiss Chard	B, E, F	1/2-2 in.	18 in.	5-10 in.
Tomato	A, B	1/2 in.	3-4 ft.	2-3 ft.
Turnip	C, F	1/4-1/2 in.	15 in.	3-5 in.
Watermelon	B, G	1 in.	6-8 ft.	6-8 ft. (hills)

Explanation

- Class A.** Crops that should be partly grown in frames or seed-bed outdoors before being transplanted to garden.
- Class B.** Crops that occupy the ground for the whole or the greater part of the season.
- Class C.** Crops that should be sown several times a season.
- Class D.** Crops which may be cleared away in time to sow or plant something else. For very late planting early varieties should be used.
- Class E.** Crops which may be sown or planted on the ground where early crops have been grown and cleared off.
- Class F.** Seeds that may be sown as soon as the ground can be worked into fine loosened condition.
- Class G.** Seeds should not be sown until the ground is thoroughly warmed (about when the maples start to leaf).

Pakro Garden Plan

CARROT - APRIL	ALL SEASONS	1'		
CARROT - APRIL	SPINACH - AUGUST	BEEF - APRIL	ENDIVE - JULY	1'
BEEF - APRIL	ALL SEASONS	1'		
ONION - APRIL	"	1'		
ONION - APRIL	"	1'		
PARSNIP - APRIL	"	1'		
RADISHES - 10 FEET EVERY ONE WEEKS WHILE THERE IS SPACE				
CABBAGE - SOW SEED - MAY SPINACH - AUGUST CABBAGE TILL JULY THEN ENDIVE				
CHARD - APRIL	(ALL SEASONS)	LEEK - APRIL	(ALL SEASONS)	1'
BEEF - APRIL TILL CHARD NEEDS SPACE - CARROT - APRIL TILL LEEKS NEED SPACE				
LETTUCE - APRIL - CELERY PLANTS - JULY				
TURNIP - MAY CELERY PLANTS - JULY				
KOHLRABI - APRIL				
SPINACH - MARCH TOMATO PLANTS - JUNE OR SEED - MAY				
TURNIP - AS NEEDED				
SPINACH - MARCH PEPPER - PLANTS OR SEEDS - JULY				
RADISH OR LETTUCE - AS NEEDED				
20'		16'		4'

We could no more hope to lay out a garden suited to your needs than to pick a wallpaper for your sitting-room. A garden is just as individual as a room and must be laid out in accordance with your own personal tastes. The chart above is for a garden 20 by 40 feet and gives an idea of what should and can be done in this small space.

No matter how large or how small your garden is we would advise that you lay out a planting chart. Plot it out for the various different vegetables keeping varieties of the same height together and alternate between those that mature late and those that mature early so that by the time the later maturing varieties need more room, the earlier ones will have been used. It is easy enough to start a garden but it takes planning to keep it working to the utmost all summer.

THINNING OUT NECESSARY. We cannot urge too strongly that you thin out your plants to the proper distance apart. We would venture to say that more gardens are ruined from lack of giving the plants enough space to grow than from any other cause. There is only enough food in the ground to support a certain amount of plant-growth. If your plants are crowded none of them will get enough nourishment to develop properly. The sun and air play no mean part in development of plants. See to it that they are spaced wide enough apart so as not to shade each other too much. We all hate to pull up plants, but it must be done if the best results are to be expected.

CARE AND CULTIVATION. The best plants are those that grow quickly; don't let anything check them. It is much easier to keep weeds out of your garden by frequent cultivation than to take them out after they get in.

Cultivate after every rain, as soon as the ground is dry enough to work. This breaks up the surface crust, conserves moisture, and kills the weeds while they are small. Cultivate in the morning so that the weeds thrown up will be killed by the noon-day sun before the night's dew revives them.

A CULTIVATOR WILL SOON PAY FOR ITSELF IN LABOR SAVED AND BETTER CROPS



PAKRO LAWN GRASS MIXTURE

PAKRO LAWN GRASS MIXTURES

Make Rich, Deep Green, Velvety Lawns That Last from Snow-to-Snow

The fine lawns that one sees throughout the country are not accidents; they are the result of careful grading, soiling, and fertilizing, of judicious sowing of the proper mixtures; and of proper mowing and care after they have been established.

When a lawn is made it must be remembered that it is for all time, and the preparation of the ground should be as thorough as possible. If not naturally drained, drainage should be provided for at places where the water lies on top of the ground for any length of time. If the top-soil is poor or very shallow, more soil should be put on, to a depth of at least 4 inches. The deeper the top-soil, the better will your lawn stand summer-drought and dry spells. Leveling may seem unimportant, but lawns that are graded to gentle slopes will not wash so readily and are easier to care for than steep slopes or terraces.

Before seeding, the ground should be thoroughly pulverized and all rubbish and stones raked off. Grass will not grow properly on lumpy ground.

When sowing the seed, the first precaution is to sow enough—too much can hardly be applied. The second is to sow evenly. A good plan is to sow first lengthwise and then crosswise, this will secure an even distribution of seed. The best time to sow grass seed is in a light, misty rain, when no wind is blowing.

A lawn should be mowed regularly once or twice a week, and a new lawn just as soon as it is high enough to cut. It should be rolled every spring to press the roots firmly into the soil after the winter heaving and to level any bumps or ruts that have appeared during the winter.

If you have occasion to water your lawn, soak it thoroughly. A light sprinkling is worse than none as it draws the roots to the surface.

An application of bone-meal or commercial pulverized sheep manure once or twice a year will be beneficial. Barnyard manure should be avoided as it usually contains many troublesome weed seeds.

The quality of seed used is, after all, the biggest factor in producing a perfect lawn. Cheap mixtures often contain many weed seeds, and once weeds get a foothold they are there to stay unless removed by hand.

The seeds that go to make up the Pakro Lawn Grass Mixtures are as free from weed seeds and other foreign matter as modern cleaning machinery can make them. All our mixtures are made up from our own formulas, the result of many years' experiments in compounding a well-balanced mixture of grasses sure to stay green from "snow-to-snow" and, we say without fear of contradiction, that **Pakro Lawn Seed Mixtures equal the finest in the world.**

Pakro Lawn Grass Mixture

A well-balanced blend of various fine leaved grasses of highest quality, all thoroughly re-cleaned, free from weeds and chaff, and containing only clean, healthy, vigorous seeds that will produce a fine-textured lasting turf within a few weeks from sowing. Included in this mixture are strains of grasses which withstand drought and exposure, thrive on shallow soils, and at the same time produce a fine-bladed, rich velvety green lawn from early spring until snow falls. It is used annually by thousands of our customers in all parts of the United States, including many large private estates and institutions.

Resolve this year to make your lawn the admiration of everyone who sees it by sowing a liberal quantity of Pakro Lawn Grass Mixture. **Qt. 20 cts., lb. 50 cts., 5 lbs. \$2.35, postpaid; 10 lbs. \$4, 20 lbs. \$7.50, 100 lbs. \$35, by express or freight at purchaser's expense.**

Pakro Shady Place Mixture

Ordinary grasses will not live under trees, on the north side of walls, or other places where the sun's rays cannot reach. Pakro Shady Place Grass Mixture is just what you want for such spots. It is a combination of hardy grasses that have an almost evergreen habit and which thrive best in sheltered spots. Ground that is densely shaded by trees is frequently "sour." In such cases it is advisable to use a liberal amount of slaked lime on the soil—about 1 bushel to 1,000 square feet—before sowing, and also to remove all moss by means of a steel rake. **Qt. 45 cts., lb. 70 cts., 5 lbs. \$3, postpaid; 10 lbs. \$5, 20 lbs. \$9, 100 lbs. \$40, by express or freight at purchaser's expense.**

Florham Park Mixture

A carefully prepared mixture of less expensive varieties than those used in our Pakro Lawn Grass Mixture. Florham Park Mixture will produce a green, abundant lawn of good lasting qualities, and we recommend it especially to those who want a medium-priced grass seed of good quality. **Qt. 25 cts., lb. 40 cts., 5 lbs. \$1.55, postpaid; 10 lbs. \$3.25, 20 lbs. \$6, 100 lbs. \$27.50, by express or freight at purchaser's expense.**

QUANTITY OF LAWN GRASS SEED TO SOW

1 qt. will sow a plot of 280 sq. ft.	20 lbs. will sow $\frac{1}{2}$ acre or 8,800 sq. ft.
1 lb. will sow a plot of 440 sq. ft.	100 lbs. will sow 1 acre, or 43,560 sq. ft.
5 lbs. will sow a plot of 2,200 sq. ft.	

NOTE.—For reviving an old lawn, about half the above quantities are sufficient for the given spaces

PAKRO

GARDEN ANNUAL

A Garden Full of Choicest Vegetables for \$2.00

We will mail you POSTPAID 27 full-size packets selected varieties Pakro Quality Vegetable Seeds costing \$3.00 if purchased separately from our catalogue, and enough for a complete family garden 25 by 30 feet, together with a garden plan and full instructions for proper planting and care—all for \$2.00. For complete list of varieties and all particulars see page 3.

Hollow
Crown
Parsnip

Southport
White Globe
Onion

Prize- Winning Onions

One large packet
each of three popular
prize-winning
varieties illustrated
on this page.

Mailed POSTPAID
for 25 cts.

Southport
Red Globe
Onion

Southport
Yellow Globe
Onion

American Seed and Seedtape Company
Madison, New Jersey, U. S. A.