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BOOK FOR FLORISTS

Autumn

1946

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COTTAGE TULIP GOLDEN HARVEST

Vaughan's Seed Store

CHICAGO



NEW YORK

Through Vaughan's You Can Buy the Cream of the Dutch Bulb Crop

With Ocean Freight, Duty, Cases and Packing Paid

Our Dutch bulbs are purchased through large orders placed with growers of proved reliability with whom we have been dealing for many years. We require special grading, and packing, and insist upon trueness to type. This insures us top quality, by which you benefit.

Our prices to you include packing, cases, duty and ocean freight, all of which are added above the invoice price on imports made direct, and must be paid in cash on delivery. Handling charges in Holland are up 100 per cent over prewar, and ocean freights have increased 150 per cent. Experienced florists have learned that when they buy from us, they are assured of top quality, at lowest prices, when all costs are considered.

All orders for Holland Bulbs placed with us before July 1st at open prices will receive a special Import Rate.

Advices from Holland are that though weather has been unfavorable, the bulb crop is good and prices stiffening. Exports to all countries are expected to be larger. Hyacinths, though plentiful, are so much in demand that prices are rising. Lilies, except for rubrum, are somewhat lower than last year. We recommend that all your needs be covered promptly, since late purchases are more likely to cost you more, than less.

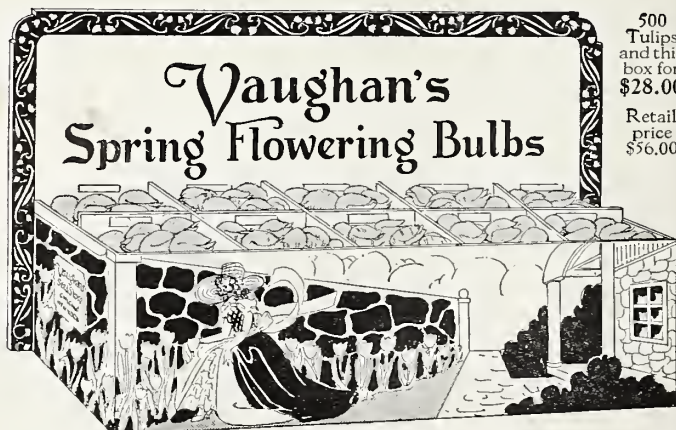
Double Your Money on Tulips Sold from this Attractive Display

MERCHANDISING bulbs belongs to the florist, who can supply expert advice to purchasers. Profits are large; there is no spoilage; and the business harmonizes with the florist's line, an important point. Our beautiful display box will be an ornament in any flower shop.

Vaughan's ten-compartment display box, staunchly made of 100 point cardboard printed in brilliant colors, will hold 500 bulbs, 50 each of ten varieties.

This beautiful display box, with 500 First Size May-flowering tulips, 50 each of ten named varieties, separately bagged, \$28.00

We use **FIRST SIZE BULBS**, the size which sells best over the counter. The 10 named varieties (50 each) of good named varieties. The price to you is \$28.00 for the box and 500 bulbs of 10 named varieties. You retail them for \$1.40 a dozen, or more, because the selection is worth more, doubling your money. Each variety is packed 50 in a bag labeled with its name. You empty one bag into a compartment, and refill in the same manner when it is empty. This prevents mixtures and loss of bulbs. After the display box and first collection have been bought, refill orders will be accepted for \$27.50 for 500 bulbs, 50 each of 10 varieties, in bags of 50; or \$55.00 for 1,000 bulbs, 100 each of ten varieties. Colored pictures are provided to paste on the compartments. This box keeps the bulbs in the open air, thus preventing bacterial rot which comes when they are sealed in cartons. The named varieties are kept apart without mixing, which adds greatly to their value. Varieties Subject to Change Without Notice.



Tulip Display Box Holding 500 Bulbs, 50 each of 10 Named Varieties

Counter Space Needed, 13x29 Inches.

The display box with its garden design printed in brilliant colors, occupies very little space on your counter. It is an ornament to any store. It solves the problem of offering bulbs for sale in the retail shop, without danger of mixing varieties, and losing stock.

CHICAGO
601 West Jackson Blvd.

Vaughan's Seed Store

NEW YORK
47-49 Barclay Street

ALL PRICES IN THIS CATALOG SUBJECT TO CHANGE WITHOUT NOTICE

VAUGHAN'S SEED STORE

47-49 Barclay Street, NEW YORK

601 West Jackson Blvd., CHICAGO

NAME _____ Date _____ 19____
Write very plainly

Post Office _____ State _____

Street, P. O. Box
 or Rural Delivery _____

Express or Freight Office { If different from P. O. } _____ Forward Goods by _____
(Parcel Post, Express, Freight or Boat)

AMOUNT ENCLOSED

(SEND NO CASH OR CURRENCY UNLESS REGISTERED)

Money Order \$ _____
 Draft or Check \$ _____
 Postage Stamps \$ _____
 Cash - - - \$ _____

Make Money Orders or Checks Payable to Vaughan's Seed Store

Table of PARCEL POST RATES to different zones, on other side.
 Your local postmaster will tell you in which zone you reside as regards NEW YORK or CHICAGO.

More order blanks will be sent upon request. Always write letters on a separate sheet from your order.

VAUGHAN'S SEED STORE gives no warranty, express or implied, as to the productiveness of any seeds, bulbs or plants it sells; nor does it warrant fertilizers other than in respect to data required of the seller by statutes. It is expressly agreed that the limit of liability for all claims for loss or damages due to any cause shall be in a sum no greater than the invoice price of the goods and in no case shall it be responsible for loss or damage of the crop.

QUANTITY <small>Do not Abbreviate</small>	NAME OF ARTICLE	SIZE	PRICE	
			Dols.	Cts.
	CASH DISCOUNTS ON ORDERS FROM THIS CATALOGUE			
	Special Cash Discount is allowed on FLOWER SEEDS as follows: On all orders for flower seeds totaling less than \$25.00, 5%, and over \$25.00, 8%. On all other items a cash discount of 2% is allowed, except on net cash supplies. Discounts as herein specified may be deducted from remittance if cash is enclosed with order.			
	In making your order, please give the sizes and prices to avoid delay and errors.			
	Carried Forward,	lbs.	\$	

QUANTITY	NAME OR CATALOG NUMBER OF ARTICLE Where Catalog gives a Number, please order by it.	WEIGHT For Parcel Post Only	PRICE	
			Dols.	Cts.
	Brought Forward			

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DOMESTIC PARCEL POST RATES On Seeds, Plants, Bulbs, Roots, Books, Tools, etc. within the U. S. and Possessions. Effective Oct. 1, 1932.			First pound or fraction	Each additional pound or fraction	This includes tax on first 33c. For larger amounts add 3% which is the equivalent of 1c for each 33c of postage.	Total Weight,	
Local—Chicago or New York City.....	8c.	1c. (2 lbs)						A fraction of a cent in the total amount of postage on any parcel shall be counted as a full cent.	Amount for Postage	$
First and Second Zone within 150 miles of either.....	9c.	1.1c.					
Third Zone within 150 to 300 miles.....	10c.	2c.			Grand Total,		
Fourth Zone within 300 to 600 miles.....	11c.	3.5c.					
Fifth Zone within 600 to 1000 miles.....	12c.	5.3c.					
Sixth Zone within 1000 to 1400 miles.....	13c.	7c.					
Seventh Zone within 1400 to 1800 miles.....	15c.	9c.					
Eighth Zone all over 1800 miles.....	16c.	11c.					

Filled by _____ Checked by _____ Packed by _____

Shipped by _____ Style of Package _____

Date _____ Book _____ Weight _____

Secrets of Success in Forcing Fall Bulbs

Success in forcing tulips, narcissi, hyacinths, and iris in greenhouses and cold frames is largely dependent upon temperature control. All the factors which influence healthy growth are discussed in the following digest. It combines the basic principles originally established by scientific investigation in Holland, with the results of long experience in producing and forcing tulips under conditions prevailing in the United States. Every florist who attempts to grow these bulbs in a greenhouse or cold frame should be familiar with the facts which follow.

PRINCIPLES OF GROWTH ON TULIPS AND NARCISSUS

In forcing bulbs exact temperature control must be maintained for optimum results. Following are some of the growing principles that must be followed to get consistently good results from year to year.

When you receive bulbs from us, initiation of their flower buds is complete, and the floral parts may be examined by cutting a few bulbs horizontally with a knife and examining with a microscope. All the parts of the flower should be visible including petals, stamens and pistil. To find the flower bud, start cutting the bulb in the center and gradually work down by small segments in layers. The leaves will surround the flower, and will be cut first, and should not be confused with the flower parts. Most varieties respond best to 68° F until the bud has been initiated in the bulb. After bud initiation 48° F is the proper storage temperature.

Precooling is the procedure of controlling the temperature so that the leaves, stem and flower bud elongate most rapidly in proper balance with one another. Most varieties respond best at 48° F for the elongation period. Vaughan's precooled bulbs have been given the optimum elongation temperature, as soon as possible after bud initiation has been complete, so that the best and earliest blooms possible can be obtained.

PROCEDURE FOR GROWER TO FOLLOW

Upon receiving either precooled or regular Tulip bulbs, plant them at once and grow them as close to 48° F temperature as possible until the shoots are about 2 to 3 inches high. When the plants are **at least** 2 to 3 inches high they may be moved to the greenhouse bench at listed dates for each variety. When the shoots start to emerge, it is wise to spray all flats or pots with a solution of fermate made in the proportion of 1 pound of fermate to 100 gallons of water with 4 ounces of Grasseli S. S. 3 combined spreader and sticker. This spray will control and prevent the spread of fungous diseases

including Botrytis, or tulip "Fire". A dust of 50% sulfur and 50% hydrated lime can also be used with good results particularly as a preventive. This dust should be applied freely after each watering until the flats or pots are removed to the growing bench.

Tulip bulbs can never be "**forced**" without taking unnecessary chances of white tip, bud blast or soft, poor quality bloom. If the temperature control has been followed as above, the best and earliest bloom will result without growing at above 60° F. Only certain varieties respond favorable to precooling and early forcing, and poor results will be obtained if late varieties are put in the growing bench too soon. Bulb seasons vary as to their early forcing qualities, and it is necessary to play a little on the late side by a week or so rather than risk the entire crop. 60° F means Day and Night temperatures, and we recommend growing the first two weeks in the bench at 55° F. We have seen bulbs grown at 60° F come perfectly one week after those grown at 67° F had white tip and blasted buds. We recommend the following varieties for early bloom in order of benching and earliness. Single Early and Mendel tulips come into bloom early but their substance generally does not come up to Cottage or Darwins. Approximate dates follow.

PRECOOLED TULIPS

	Benching	Blooming
Albino	November 30	January 1
Golden Harvest	December 10	January 10
Rose Copeland	December 10	January 10
Wm. Copeland	December 10	January 10
Wm. Pitt	December 20	January 20
Bartigon	December 31	February 10

REGULAR TULIPS

Albino	December 14	January 21
Golden Harvest	December 21	February 1
Rose Copeland	December 21	February 1
Wm. Copeland	December 21	February 1
Wm. Pitt	December 31	February 10
Bartigon	January 10	February 20

Varieties may be held for later blooming by continuing the growing at 48° F until the plants are almost ready to bloom in storage or by growing cooler than 60° F on the bench. Tulips should be planted in well drained soil, and not over watered or under watered. They will need more frequent waterings on the bench than in storage. Any well balanced fertilizer improves the color of foliage and flowers, but do not use an overdose.

If it is impossible to plant bulbs at once on their arrival, at least unpack and store them as close to 48° F as possible. Nothing will spoil them faster than temperatures above 70° F.

If you are going to grow them in a cold frame, pick a site with good drainage and water with cold water thoroughly before placing the flats or pots. A shady spot is preferable so that the sun does not keep the soil temperature high during possible warm Fall days. Cover the flats or pots with 3 or 4 inches of sand so that sprouts will not be broken easily when the time comes for moving into the greenhouse. Where winters are severe, put on a heavy layer of leaves or straw just before hard freezes are apt to come in your temperature zone. Spray the tops of pots or flats with Fermate mixture or dust with sulfur mixture on bringing into the greenhouse. Grow day and night at 60° F or below; or 55° F at night and 63° F during the day. Generally speaking tulips grown in storage that is too cold will grow too short with large flowers; if grown in storage that is too warm the flowers will be small on thin, weak stems. Extreme heat in the greenhouses, any temperature from 67° F and up, may cause buds to blast or flower tips to turn white, and have poor color. If the plants become dry at any stage of growth bud blast will result.

IRIS

Iris bulbs do not have the flower buds initiated until the plant is approximately 2½ inches high in growth and large sizes only may be used for early flowering. Upon receipt of Iris Wedgewood 10 ctm. and up you should plant them and grow at 55° F, not higher, in the bench or in storage; 48° F would be acceptable but delays growth about one week. After the plants are 2½ inches high they should be definitely moved to the greenhouse and the day or night temperature should never be allowed to go above 60° F. Iris need lots of water and can not withstand dry soil conditions. Plant the bulbs shallow in deep flats. Late varieties or small sized Iris bulbs should be grown more slowly at about 45° to 50° F until about two weeks before blooming time when the temperature may be raised to 60° F days and 55° F nights. Plant Iris in deep flats so the roots have plenty of room, and the plants require good light conditions. Foliage may be trimmed as necessary to allow more light and decrease evaporation and drying out of flats, benches or pots.

NARCISSUS KING ALFRED

Plant all Narcissus bulbs as soon as received. Bulbs should be grown at 48° F until the shoots are 2 to 3 inches long at least. It does not hurt them to be left in much longer. Precooled King Alfred may be put on the bench as soon as they are 3 inches long. Grow at 60° F for three weeks and finish at 65° F. Narcissi like well drained soil, but water freely when heavy foliage growth is in crop. November 28 should be about the proper date to set precooled stock on the bench from the bulb cellar or cold frame. Regular stock of King Alfred should

follow 2 to 3 weeks later, continuing with other varieties as their foliage indicates on forcing types.

HYACINTHS

Hyacinths if not planted immediately should be stored at 70° F in a dry place. Delayed planting is permissible for getting quality blooms late. Grow at 50° F in storage until the flower bud is entirely out of bulb at which time transfer to greenhouse for growing on gradually, increasing the temperature up to 70° F over a period of two weeks.

BULB CULTURE SUMMARIZED

The principal points for success with bulb stock of Tulips, Iris and Narcissus are:

1. Order and plant Tulips and Narcissus on time from September 1 to October 15. Best results out doors are obtained from these planting dates also.
2. Use moist soil in planting bulbs, and plant shallow so there is plenty of food and room for the roots. Water well after planting.
3. After unpacking as soon as received, store bulbs as close to 48° F as possible. Bulbs give off heat; in closed containers this can be serious.
4. Plant as soon as possible, and grow at 48° F until plants are 2 to 3 inches high. All bulbs should be well rooted before being brought into greenhouse. 48° F is a good rooting temperature. If bulbs have heaved up in the flats or pots by their rapid rooting, they should be pressed down again with careful handling.
5. In the greenhouse grow cool, never above 60° F early, or 65° F for last two weeks of growth.
6. Do not allow flats or pots to dry out.
7. Do not plant Iris too close on benches, 3 inches apart in 4 inch rows is about right, or 3½" x 3½" in flats.
8. Use preventive spray or dust on Tulips.
9. Watch out for bright days raising house temperatures above maximum allowed. Nothing will spoil them faster than temperatures above 70° F.
10. Get to know varieties.
11. Buy from a reliable source where honest size of bulbs, and true varieties can be expected on delivery.
12. Overhead heat is best for bulb culture as pipes under the bench often heat the plants more than the house thermometer indicates. Where pipes under the bench are used it is wise to string a roll of wrapping paper about a foot high above the edge of each side of the bench. This prevents warm air from circulating up around the side of the bench and drying and heating flats along the edges.
13. We have found dusting bulbs with Spergon is a good preventive of rooting troubles in Tulip culture, particularly in late field plantings.
14. Check your thermometers for accuracy. It is not unusual to find thermometers 5 degrees off and this could ruin a bulb crop run at 65° F close to maximum.

Vaughan's Tulips

Cream of The American and Dutch Crops



DARWIN TULIPS

DARWIN TULIPS—Continued

	Tops		First Size	
	12 ctm. and up	1000	11-12 ctm.	1000
Pride of Haarlem. (F) Carmine rose..	\$6.00	\$55.00	\$5.00	\$45.00
Pride of Zwanenburg. Beautiful old rose.....	6.50	60.00	5.50	50.00
Princess Elizabeth. (F) Soft rose with silvery margin, white base. Extra fine forcer.....	6.25	57.00	5.25	47.00
Prof. Rawenhoff. (F) Cherry-rose, white, blue base.....	6.00	55.00	5.00	45.00
Prunus. (F) Prunus pink.....	6.75	62.00	5.50	50.00
Rev. H. Ewbank. (F) Vivid heliotrope-lilac.....	6.50	58.00	5.50	48.00
Rose Copeland. (F) Lilac-rose.....	6.00	55.00	5.00	45.00
Scotch Lassie. Deep lavender.....	6.50	58.00	5.50	48.00
The Bishop. Violet blue.....	6.50	60.00	5.50	50.00
Utopia. (F) Brilliant red.....	6.25	57.00	5.25	47.00
Victoire D'Oliveira. (F) Carmine red, good forcer.....	6.00	55.00	5.00	45.00
Wm. Copeland. (F) Bright violet; for forcing.....	6.00	55.00	5.00	50.00
William Pitt. (F) Brilliant carmine...	6.25	57.00	5.25	47.00
Yellow Giant. Golden yellow.....	6.00	55.00	5.00	45.00
Zwanenberg. Pure white, black anthers	6.00	55.00	5.00	45.00
FINEST MIXED.....	5.50	50.00	4.50	40.00

Cottage Tulips

Advance. Orange-scarlet.....	6.00	55.00	5.00	45.00
Albino. (F) Pure white.....	6.50	60.00	5.50	50.00
Carrara. (F) Pure white.....	6.00	55.00	5.00	45.00
Dido. Orange-red.....	6.50	60.00	5.50	50.00
Golden Harvest. (F) Soft lemon yellow.	6.00	55.00	5.00	45.00
Inglecombe yellow. (F) Canary yellow	6.00	55.00	5.00	45.00
Mount Erebus. (F) Pure white.....	6.50	60.00	5.50	50.00
Moonlight. (F) Soft pale yellow.....	6.50	60.00	5.50	50.00
Mother's Day. (F) Lemon yellow.....	6.00	55.00	5.00	45.00
Mrs. J. T. Scheepers. Pure yellow....	6.25	57.00	5.00	45.00
Rosabella. Deep rose light edges.....	6.50	60.00	5.50	50.00

Darwin Tulips

The most profitable of all Tulips for Florists' use. Varieties on this page marked (F) can be forced in gentle heat.

	Tops		First Size	
	12 ctm. and up	1000	11-12 ctm.	1000
Afterglow. Soft apricot orange, tinged pink.....	\$6.50	\$60.00	\$5.50	\$50.00
Allard Pierson. (F) Glossy deep red..	6.00	55.00	5.00	45.00
All Bright. (F) Carmine red.....	6.00	55.00	5.00	45.00
Bartigon. (F) Fiery crimson.....	6.00	55.00	5.00	45.00
Bleu Aimable. Bright violet purple...	6.50	60.00	5.50	50.00
Chas. Needham. Scarlet red.....	7.00	65.00	6.00	55.00
Campfire. (F) Deep carmine red.....	6.00	55.00	5.00	45.00
Clara Butt. (F) Soft salmon-pink.....	6.00	55.00	5.00	45.00
City of Haarlem. (F) Cardinal red...	6.25	57.00	5.25	47.00
Farncombe Sanders. (F) Rich brilliant scarlet.....	6.25	57.00	5.25	47.00
Faust. Satiny purple.....	6.50	60.00	5.50	50.00
Glacier. Pure white.....	7.00	65.00	6.00	55.00
Gloria Swanson. Rosy-red.....	6.25	57.00	5.25	47.00
Herodiade. (F) Rose-pink.....	6.00	55.00	5.00	45.00
Insurpassable. (F) Lilac.....	6.50	58.00	5.50	48.00
King George V. (F) Cherry-rose.....	6.75	62.00	5.50	50.00
La Tulipe Noire. Finest black.....	6.25	57.00	5.25	47.00
Matchless. (F) Delicate old rose, wonderful for pots.....	6.00	55.00	5.00	45.00
Niphetos. (F) Lemon yellow.....	7.00	65.00	6.00	55.00
Philip Snowdon. (F) Deep pink.....	6.00	55.00	5.00	45.00

Breeder Tulips

Bacchus. Dark violet blue.....	6.50	60.00	5.50	50.00
Cherbourg. Deep orange-yellow.....	6.50	60.00	5.50	50.00
Dillenburg. Salmon-orange.....	6.00	55.00	5.00	45.00
Don Pedro. Coffee brown.....	6.50	60.00	5.50	50.00
Indian Chief. Mahogany red.....	6.50	60.00	5.50	50.00
Lucifer. Orange-red.....	6.50	60.00	5.50	50.00
Louis XIV. Rich purple with golden bronze.....	6.50	60.00	5.50	50.00
Panorama. Brownish orange scarlet ...	6.00	55.00	5.00	45.00
Prince of Orange. Orange-scarlet....	6.00	55.00	5.00	45.00
Yellow Perfection. Olive yellow color..	6.00	55.00	5.00	45.00

Triumph Tulips

This new race is the result of crosses between the Early Single Tulips and the Darwins. They can be forced very easily.

Alberio. (F) Deep wine-red.....	6.00	55.00	5.00	45.00
Crater. (F) Deep carmine-red.....	6.00	55.00	5.00	45.00
Corneforus. (F) Carmine-red.....	6.00	55.00	5.00	45.00
Elizabeth Evers. (F) Deep pink.....	6.00	55.00	5.00	45.00
Kansas. (F) Snow white.....	6.00	55.00	5.00	45.00
Telescopium. (F) Violet-rose.....	6.00	55.00	5.00	45.00

Vaughan's Single Tulips



SINGLE EARLY TULIP, COULEUR CARDINAL

EXPLANATORY: The number preceding the name of the variety denotes the height in inches, while the letters a and b indicate their earliness of bloom—the a's flower together and are the earliest; the b's flower together, but are somewhat later.

Varieties starred (★) are the kinds used by Florists for forcing. These varieties are also suitable for outdoor planting.

Single Scarlet, Orange and Crimson		Tops	First Size
		12 ctm. and up	11-12 ctm.
★ 7a	Brilliant Star. Vermilion-scarlet; very early.	100 1000	100 1000
★ 8b	Couleur Cardinal. Brilliant crimson; fine bedder.		6.25 57.00
7b	Cramoisi Brilliant. Bright scarlet.		6.00 55.00
★10b	Fred Moore. Dark orange, edged yellow.		6.00 55.00
★ 8a	Prince of Austria. Orange-vermilion; large.		6.00 55.00
★ 7b	Vermilion Brilliant. Dazzling vermilion-scarlet, very fine for pots, and showy bedder.		6.00 55.00

Single Pink and Rose		Tops	First Size
		12 ctm. and up	11-12 ctm.
★13b	Flamingo. Carmine-rose, white shaded.		6.00 55.00
★12a	Ibis. Dark brilliant pink.		6.00 55.00
12b	Pink Beauty. Bright rose-pink shading to blush-white.		6.00 55.00
★ 7b	Rose Luisante. Brilliant deep pink.		6.25 57.00

Single Striped, Margined		Tops	First Size
		12 ctm. and up	11-12 ctm.
★18a	General DeWet. Golden, flushed and stippled fiery-orange-scarlet.		6.00 55.00
10b	Keizerskroon. Red, with distinct wide golden border, one of the finest early tulips.	\$7.50 \$69.00	6.00 55.00

Single White		Tops	First Size
		12 ctm. and up	11-12 ctm.
15b	White Swan. (true), Pure white.		6.00 55.00
17a	White Hawk. White; very fine.		6.00 55.00

Single Yellow		Tops	First Size
		12 ctm. and up	11-12 ctm.
★10b	Rising Sun. Golden yellow.		6.00 55.00
★ 8b	Yellow Prince. Golden yellow; fine forcer.		6.00 55.00

Early Double Tulips

Double Pink		Tops	First Size
		12 ctm. and up	11-12 ctm.
★ 8a	Electra. Beautiful dark-rose sport from Murillo.	100 1000	100 1000
★ 8a	Peach Blossom. Bright pink.		6.00 55.00
15b	Triumphator. Immense double pink, dark salmon, an excellent variety.		6.00 55.00

Double Red		Tops	First Size
		12 ctm. and up	11-12 ctm.
★ 9a	Imperator Rubrorum. Bright scarlet; showy.		6.00 55.00
8b	Rubra Maxima. Dazzling scarlet.		6.00 55.00
★ 9b	Vuurbaak. Bright scarlet with orange flush.		6.00 55.00

Double Yellow		Tops	First Size
		12 ctm. and up	11-12 ctm.
★10a	Couronne d'Or. (Crown of Gold), Beautiful rich golden yellow; fine forcer.		6.00 55.00
★ 8a	Mr. Van der Hoeft. Pure yellow.		6.00 55.00

Double White		Tops	First Size
		12 ctm. and up	11-12 ctm.
10b	Boule de Neige. Pure white.		6.00 55.00
★12b	Schoonoord (White Murillo), pure white.		6.00 55.00

Double Striped or Otherwise Colored		Tops	First Size
		12 ctm. and up	11-12 ctm.
★ 8b	Orange Nassau. Deep orange red.	100 1000	100 1000
★ 8a	Toreador. Scarlet-edged, buff-yellow.		6.00 55.00

Double Late Tulips

These flower with the Darwin tulips. The flowers are very large and full. Resemble peonies.

		Tops	First Size
		12 ctm. and up	11-12 ctm.
15c	Blue Celeste. Light purple.	100 1000	100 1000
15c	Epicure. Large salmon rose edged lighter.	\$7.00 \$65.00	6.50 60.00

Parrot Tulips

		Tops	First Size
		12 ctm. and up	10-11
Cramoise Brilliant.	Crimson flushed orange.	100 1000	100 1000
Luten Major.	Clear yellow with green markings.		4.50 40.00
Markgraaf.	Orange flushed brown red.		4.50 40.00
Perfector.	Bright yellow with red stripes.		4.50 40.00
Fantasy.	Salmon pink with green markings.	\$6.75 \$58.00	5.75 48.00

Imported Hyacinths of Good Quality

Last year was the first time we were able to offer Imported stock since 1939. The demand was very heavy and large quantities were imported. With fertilizers scarce in Holland the crop is not going to be as large and prices are now advancing, so we urge you to order at once.

At present prices hyacinths offer to the florist one of the best opportunities to grow at a minimum risk and cost pot plants of first quality, which can be sold at good prices in the spring market.

Single Blue

- Bismarck.** Bright light blue.
- Grand Maitre.** Dark porcelain, medium early.
- King of the Blues.** Dark, medium early.
- Queen of the Blues.** Light, fine spike.

Single White

- L'Innocence.** Pure white, compact truss on short stem, fine for pots.

Single Red and Rose

- Gertrude.** Rose-pink, medium early.
- Jan Bos.** Scarlet.
- La Victoire.** Brilliant dark pink.
- Pink Pearl.** Rosy pink.
- Marconi.** Bright pink.
- Pink Pearl.** Rosy pink.
- Queen of Pinks.** Choice pink.

Single Yellow

- City of Haarlem.** Golden yellow.

	Prices	Doz.	100	1000
19 ctms. and up (Top Size)		\$2.50	\$18.00	\$175.00
18-19 ctms. (First Size)		2.20	16.00	150.00
17-18 ctms. (Second Size)		1.90	14.00	130.00
16-17 ctms. (Third Size)		1.70	12.00	105.00
15-16 ctms. (Bedding Size)		1.50	10.00	90.00
14-15 ctms. (Miniature Size)		1.35	9.00	80.00



L'INNOCENCE

GRAND MAITRE

NARCISSI—AMERICAN AND HOLLAND GROWN

Our Holland-grown bulbs will come from a grower that has kept up his stocks even after the U. S. embargo went into effect in 1926, because of a good demand from other countries.*

Our American-grown bulbs are grown in Oregon, and Washington where narcissi bulbs grow best. All our stock has come from the same source in the last fifteen years. The most modern implements are used so that bruising and disease are reduced to minimum. After digging, our bulbs are stored in temperatures that have been found most satisfactory by eminent English and Dutch experimenters. This temperature treatment hastens the flowering period and keeps the bulbs firm.

One of our representatives makes an inspection each season when the bulbs are in bloom and again after the bulbs have been lifted and placed in trays in the warehouses. Therefore our customers are assured of the best quality.

KING ALFRED (Trumpet Variety)	Per	Per
	100	1,000
Holland Grown DN #1	\$10.00	\$95.00

Our stock of American Grown Bulbs are all sold for this season.

YELLOW TRUMPET VARIETIES

	Double Nose	1,000
Aerolite. Deep primrose perianth with yellow trumpet	100	\$110.00
Emperor. Perianth primrose deep yellow trumpet	10.00	92.00
Golden Harvest. Very large rich golden yellow	10.00	95.00
The First. Perianth pale yellow, trumpet yellow	10.00	92.00

BI-COLOR VARIETIES

Oliver Cromwell. Perianth cream white, yellow trumpet	10.00	95.00
Spring Glory. White perianth, yellow trumpet	10.00	95.00
Victoria. White perianth, yellow trumpet	10.00	95.00

OTHER CLASSES

Actaea. (Poeticus)	9.00	82.00
Cheerfulness. (Poetaz)	8.50	80.00
Diana Kasper. (Barri)	8.00	75.00
Early Perfection. (Poetaz)	8.00	75.00
February Gold. (Cyclamineus)	10.00	95.00
Helios. (Incomparabilis)	9.50	88.00
Laurens Koster. (Poetaz)	8.00	75.00

OTHER CLASSES—Continued

	Double Nose	1,000
Poeticus, Horace	\$ 6.75	\$ 62.50
Ornatus	6.50	60.00
Recurvus	6.50	60.00
Sir Watkins. (Incomparabilis)	10.00	90.00
Twink. (Double) Primrose and clear orange	14.00	135.00
Von Sion. (Double) Yellow	10.00	95.00
Special Mixed. For outdoor planting. This mixture is made up of Single and Double Nose Bulbs	6.00	55.00

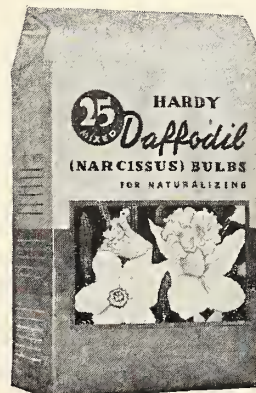
Should we be sold out of Double Nose Bulbs, please allow us to send either Double Nose Number two or Round Bulbs.

NARCISSUS PAPER WHITE

From the finest crop harvested in Florida.

Crop this year is very limited. The fields when in flower are inspected by our bulb man who also will look after the Grading and Packing of the bulbs so as to give our customers the best the season affords.

Paper Whites. (Buy these to compete with chain stores).	100	1,000
12 ctms.	\$3.50	\$30.00
13 ctms.	4.50	40.00
14 ctms.	5.50	50.00
15 ctms.	6.50	60.00



Sell Daffodils This Fall

25 mixed hardy daffodils in picture packages, 10 pkgs. \$ 12.50
Retail for 20.00
Profit \$ 7.50

20 packages for \$24.00;
Prices F. O. B. Chicago.

Also Packed 12 Bulbs, Picture Package, Each, 65c; 10 Package Lots, 60c Each.

Mixed hardy daffodils are lower in price than tulips this fall for the first time we remember, and by almost 50%! Many more should be sold, in view of the tulip shortage. We offer a special picture package in brilliant color containing 25 mixed bulbs, and giving cultural instructions. Sure to be a rapid seller. No waste, no picking over.

Vaughan's American Grown Lily Bulbs

From the beginning of the new lily growing industry in the United States, Vaughan's Seed Store has taken a prominent part in its development, and has contributed to the improvements in culture and handling methods to which this infant industry owes its present success. We shall continue to lend all possible aid to the expansion of growing operations, and to encourage careful growers, who prove capable of producing the high quality stock which is demanded by our customers.

CREOLE LILIES (Certified Louisiana Grown.) LOUISIANA QUEEN

In Louisiana Queen, we offer the cream of the Louisiana crop. The bulbs are certified by the state entomologist to have less than 1 percent (1%) fleck. Contrast this with the fact that many fields inspected by our bulb buyers show fifty to eighty percent fleck. Such stock does not produce satisfactory bulbs for greenhouse forcing, as the flowers come deformed or split.

Our bulbs will be kept at the proper temperature while being packed for shipment in refrigerator cars. We expect to have some bulbs ready for planting in September to produce flowers in January and February.

	100	Case
7- 8 inch (250 bulbs to case).....	\$25.00	\$60.00
8- 9 inch (200 bulbs to case).....	36.00	70.00
9-10 inch (100 bulbs to case).....	46.00	.....

SHANGRI-LA LILIES

Can be obtained only from Vaughan's Seed Store.

They come to you with live roots like Croft lilies from the Pacific coast.

Accurately checked scientific tests have shown that they produce twice the bud count of ordinary rootless Creole bulbs of comparable size, because they start growing without check, or taking time to produce new roots.

Culture is like other Creoles, growing cool to keep down their height, and for best quality. The variety is naturally early.

All Shangri-La Bulbs are exceptionally high crowned.

All bulbs will be shipped to you from cold storage after treatment to facilitate forcing. In ordering state whether you want bloom for January, Easter or later, so we can ship at the proper time, from Oct. 1 to May 1.

6½- 7 inch (400 bulbs to case)	} Write for prices.
7 - 8 inch (300 bulbs to case)	
8 - 9 inch (250 bulbs to case)	
9 - 10 inch (200 bulbs to case)	

CROFT LILIES

As this catalogue goes to press our western representative reports the crop will be ample this year to supply the demand for 7-8 inch size. We hope and expect to take care of our customers' needs in the same satisfactory manner we have done in the past. We suggest, however, that you place your order without delay.

	100
7- 8 inch.....	\$60.00
8- 9 inch.....	} WRITE FOR PRICES
9-10 inch.....	

SPECIOSUM RUBRUM MAGNIFICUM

Flowers are of good substance; will last a long time and do not all open at once. One of the best varieties for cold storage purposes.

	100
7- 8 inch.....	\$40.00
8- 9 inch.....	47.50
9-10 inch.....	55.00

SPECIOSUM ALBUM (WHITE)

Pure white, with beautiful recurved petals, very fragrant.	100
7- 8 inch.....	\$62.50



A FIELD OF OUR LOUISIANA QUEEN CREOLE LILIES

TRUE LILIUM HARRISII

Grown for Us by One of the Most Reliable Growers

Grown in Bermuda and used mostly for early cut flowers. The flower is pure white but somewhat soft for shipping. It is an early blooming type, and the bulbs can not be cold stored for late delivery.

6-7 inch, 335 bulbs to case.....	} WRITE FOR PRICES
7-9 inch, 200 bulbs to case.....	

LILIUM REGALE

The flowers are white, shading to yellow in the center, with a pink tinge on the outer edges. A strong grower, some 3 to 4 feet high. It is deliciously scented, and its extreme hardiness makes it a valuable lily for outdoor planting.

6- 7 inch.....	} WRITE FOR PRICES
7- 8 inch.....	
8- 9 inch.....	
9-10 inch.....	

LILIUM FLORIDI

Bulbs of the Creole type, grown in Florida, have shown certain improvements over the Louisiana Creole lilies. At our New York branch, 47 Barclay street, New York City, a limited number of bulbs of the best type of Floridii are still on hand, and prices will be furnished in answer to inquiries mailed to that address.

MEXICAN LILIES

Temperature Control Protects Crop

Paul R. Krone, of Michigan State College, writes in the June, 1946, issue of "Under Glass":

One of the best lots of Easter Lilies that I saw last spring was a batch of Mexican lilies at the Coy Kendall range in Belleville, Michigan. The bulbs were potted up late in January and carried at a 68 degree continuous temperature. They made Easter beautifully and there were virtually no splits or blasted buds.

This lot of plants certainly bears out Dr. Post's assertion made a year or so ago that a major factor in the blasting of Lily buds is a low soil temperature combined with a high air temperature. He discovered that when lilies are subjected to 50 degrees or lower in the greenhouse at night and this is followed by a bright sunny morning, 100 per cent of the buds are blasted.

He ascribed the difficulty to lack of water since the water loss from the top of the plant is rapid in the sun and the intake of water from the cold soil is slow, resulting in insufficient water in the plant.

Mr. Coy Kendall says that the bulbs should be potted by January 10, but that the temperature should not be allowed to drop below 65°. Dr. Post says that no danger is involved until the buds are visible and from then up until a week before blooming. He recommends that where it is necessary to drop night temperatures below 60° to hold the crop for Easter, the temperature should be raised to 60° degrees at least two hours before the sun strikes the buds.

Miscellaneous Bulbs



THIS GROUP OF VAUGHAN'S GIANT AMARYLLIS WON FIRST PRIZE AT THE NATIONAL FLOWER AND GARDEN SHOW, CHICAGO, 1942

Giant Hybrid Amaryllis

One of the finest strains of Amaryllis we have ever seen. Flowers are immense, composed of broad, well-rounded, overlapping petals; of the most perfect form, ranging in color from pure white grounds with varied markings of rose, red and crimson to the richest self colors as scarlet, crimson, bright red, cherry and almost maroon.

Bulbs 2½ inches and more and are sure bloomers. Make wonderful window displays.

SELECTED MIXED HYBRIDS	Doz.	100
2¼-2½ inch.....	\$2.50	\$18.00
2½-2¾ inch.....	3.50	25.00
2¾-3 inch.....	4.50	30.00

ANEMONES

One of the most showy flowers, good for cut flowers. They thrive in any soil except a very heavy clay. Set 10 inches apart, about ½ inch deep. Sunny location, plenty of moisture. **De Caen**, number one bulbs, per 100, \$3.75; per 1,000, \$32.50.

Anemone St. Brigid Irish Champions. The largest flowered strain of Anemones ever offered in the United States. Large, brilliant flowers in a wide variety of colors, over 90% full double. Number one bulbs, per 100, \$4.00; per 1,000, \$36.00.

BRODIAEAS

Capitata. The California Hyacinth, has slender stems, 6 to 12-inch, high capped with a close cluster of violet blue flowers. Flowers hold up well, so should be good for Florist's use. 100, \$3.75; 1,000, \$32.50.

CHIONODOXA (Glory of the Snow)

These are among the most beautiful of our spring-flowering bulbs, coming into bloom soon after the snow is gone. Grows well in any good garden soil, and when once planted requires no further care. Looks best when planted in lines or clumps.

Lucillae. Flowers of a brilliant sky-blue color with white center. Per 100, \$1.75; per 1,000 \$12.00.

Sardensis. Deep blue. Per 100, \$1.75; per 1,000, \$12.00.

CALOCHORTUS or MARIPOSA TULIP

These famous California flowers resemble a tulip in shape, and are of many colors, shades and markings. Try a few in a cool house. **Mixed**, per 100, \$4.50; post paid; per 1,000, \$40.00.

WHITE CALLA

(Aethiopica) Ready in September

Callas being natives of swampy regions grow to best advantage where there is an abundance of moisture, and are therefore very difficult to handle in the curing. Some growers practice **premature cutting off the tops**, expose bulbs to the sun, in order to make early shipment.

Our stock is **thoroughly cured in the ground** and dried carefully before they are packed. This means **later delivery** but better results can be obtained from such bulbs.

We caution forcers of Callas to water this stock sparingly after planting because Calla bulbs store up considerable moisture.

Size	Per 100	Per 1,000
1¼-1½ inches.....	\$11.00	\$100.00
1½-1¾ inches.....	20.00	180.00

YELLOW CALLAS

(Elliotiana)

Yellow callas are very attractive as pot plants. A few pots of this golden yellow flower placed in a display window draw much attention and sales. Grow a hundred and see how quickly they sell.

	Doz.	100	1000
2-2½ inch.....	\$2.00	\$15.00	\$135.00
2½-3 inch.....	3.50	25.00	235.00
3-3½ inch and up.....	5.50	37.00	350.00

PINK CALLA

(Rehmanni Superba)

Truer pink than the old Rehmanni and make larger plant with longer stems on the flowers. Blooms sold very well on all major markets.

	Doz.	100
1¼-1½ inches.....	\$2.75	\$20.00
1½-1¾ inches.....	4.50	30.00

CROCUS

Large Flowering

Named or separate colors.	9-10 Ctms.		8-9 Ctms.		7-8 Ctms.	
	100	1,000	100	1,000	100	1,000
Blue, White, Striped or	\$2.45	\$22.00	\$2.10	\$16.00	\$1.75	\$12.00
Yellow.....						

Freesias—California Grown

Golden Daffodil. The yellow you must have with your planting of the White varieties. Color, clear, light yellow and orange blotch. Large flowers on strong stiff stem. ½ to ⅝ in..... \$2.00 \$14.00

Kokomo. A very attractive lavender blue. Large open flowers and good long stems. A strong grower with plenty of laterals. We believe the finest lavender to be put on the market. ½ to ⅝ in..... 2.25 15.00

PURITY—True Strain. White. ½ to ⅝ in.... 2.00 14.00

Rainbow. Mixed. ½ to ⅝ in..... 2.00 14.00

BABY GLADIOLUS

Years ago when the bulbs could be imported they were very popular. Limited quantities are now being grown on the coast so we can offer them again. Wonderful for forcing. Unsurpassed for bouquets, baskets and other uses.

Peach Blossom, delicate pink.
Per 100, \$5.50; 1,000, \$50.00.

IXIA

These easily grown, quick selling bulbs are rapidly becoming popular as cut flowers. Planted from September to early December in pots or bench, they produce beautiful, long stem flowers during late February and early March. Main requisites for successful growing are careful watering at beginning of growth, and a cool temperature (Carnation temperature, or cooler).

	100	1,000
Mixed	\$2.00	\$18.00

MISCELLANEOUS BULBS—Continued

DUTCH IRIS

	American Grown		Holland Grown	
	100	1,000	100	1,000
Imperatur. Deep blue. One of the best for greenhouse growing.	100	1,000	100	1,000
6-7 ctms.....	\$2.00	\$18.00	.....	.....
7-8 ctms.....	3.75	33.00	2.75	24.00
8-9 ctms.....	4.75	45.00	4.00	35.00
White Excelsior. Pure white.				
7-8 ctms.....	Sold		4.00	35.00
8-9 ctms.....	Out		4.50	40.00
Yellow Queen. Standards, pale yellow. Falls golden yellow.				
5-6 ctms.....	1.75	15.00	.....	.....
6-7 ctms.....	Sold		2.75	25.00
7-8 ctms.....	Out		4.00	36.00

IRIS TINGITANA—Wedgewood

	American Grown		Holland Grown	
	100	1,000	100	1,000
Standards Blue. Falls lighter blue. Very reliable bloomer. Can be brought into flower in January.	100	1,000	100	1,000
8-9 ctms.....	\$3.50	\$30.00	\$1.85	\$16.00
9-10 ctms.....	5.00	45.00	2.75	24.00
10 ctms. and up.....			3.50	30.00

LEUCOCORYNE IXIODES ODORATO
(Glory of the Sun)

Heads of large, fragrant flowers, blue with white center, carried gracefully on a wiry stem about eighteen inches tall. Culture same as freesias. This novelty has received much favorable comment, winning several European awards. Per doz. \$1.25; per 100, \$3.00.

ORNITHOGALUM

	Doz.	1.00	1.000
Arabicum, Star of Bethlehem, white with black base.....	\$0.75	\$5.00	\$45.00

MUSCARI (Grape Hyacinth)

Make good pot plants. Force easily for January blooms.

	8-9 Ctms.		9-10 Ctms.	
	100	1,000	100	1,000
Armeniacum. Deep blue, large flowers.....	\$1.75	\$12.00	\$2.00	\$15.00
Early Giant. Improved Armeniacum. Larger bells and a little lighter in color. Blooms about 10 days earlier.	1.90	14.00	2.25	17.00
Alba. Pure white. Tops size per 100, \$2.50; 1,000, \$22.50.				

RANUNCULUS

Bulbs are claw-like in shape and should be planted with claws downward two inches deep and ten inches apart. Soak bulbs same as Anemones. Vaughan's exclusive Victoria Hybrids have no rivals in abundant bloom, percentage of doubles, strong stems, and size of flowers. The color range embraces pink, yellow, orange, brilliant scarlet, vivid apricot and innumerable tints of these colors.

No. 1 size.....per 100, \$3.75; per 1,000, \$32.50
No. 2 size.....per 100, 2.50; per 1,000, 20.00

SNOWDROPS

	1.00	1.000
Single.....	\$4.50	\$40.00
Double.....	6.00	55.00

SCILLAS

Campanulata Blue.....	2.50	18.00
Campanulata Rosea.....	2.50	18.00
Campanulata White.....	2.50	18.00
Nutans Blue.....	2.50	18.00
Nutans White.....	2.50	18.00
Siberica Blue.....	3.00	25.00
Spring Beauty, improved siberica, brighter blue....	3.50	30.00

SPIRAEAS

For Easter and Mothers' Day Blooming

Freeze roots before potting. Grow 90 days for Easter. Grow 75 days for Mothers' Day. Temperature 55 degrees.
Pink and white varieties of best named. Per doz., \$4.50; 100, \$30.00.

A Beautiful, Practical,
Paper White Display

Vaughan's Paper White Display Box as Illustrated, together with

100 Bags, each holding 3 bulbs, 13-14 ctm., (300 bulbs)	\$12.00
100 Bags, each holding 3 bulbs, 14-15 ctm., (300 bulbs)	15.00
100 Bags, each holding 3 bulbs, 15-16 ctm., (300 bulbs)	18.00

EVERY customer who enters your store is a prospect for a sale of Paper White narcissus bulbs. Here is a carefully designed, thoroughly tested method of displaying and selling them at a minimum of trouble and expense and the maximum of profit.

Florists cannot afford to sell inferior bulbs. Vaughan's bulbs of 13-14 ctm. circumference and up are of flowering size and highest quality. Three bulbs are enclosed in an illustrated bag which prevents picking over of the individual bulbs, injurious handling and resultant waste. Every bulb we ship you can be sold at a profit.

Our Paper White display box, specially reinforced, decorated in black, red and green, will harmonize with your store display and sell its contents. It occupies 10 by 20 inches space, and one filling provides \$24 to \$36 sales at 100% profit. Why let chain stores get sales which should be yours?

Vaughan's Flower Seeds

Condensed List for Fall Sowing

Cash Discounts on Flower Seeds: On all orders for flower seeds except Cyclamen seed which is net, totaling less than \$25.00; 5%, and over \$25.00; 8%, may be deducted if cash is enclosed.

"SNAPS" For Greenhouse Forcing

Snapdragon being one of the leading Florist Greenhouse crops, we have followed very closely the development of the Winter Flowering or Forcing type and offer the following approved varieties.

Due to greatly increased costs we regret that we cannot make group prices or quantity discounts on Snapdragons.

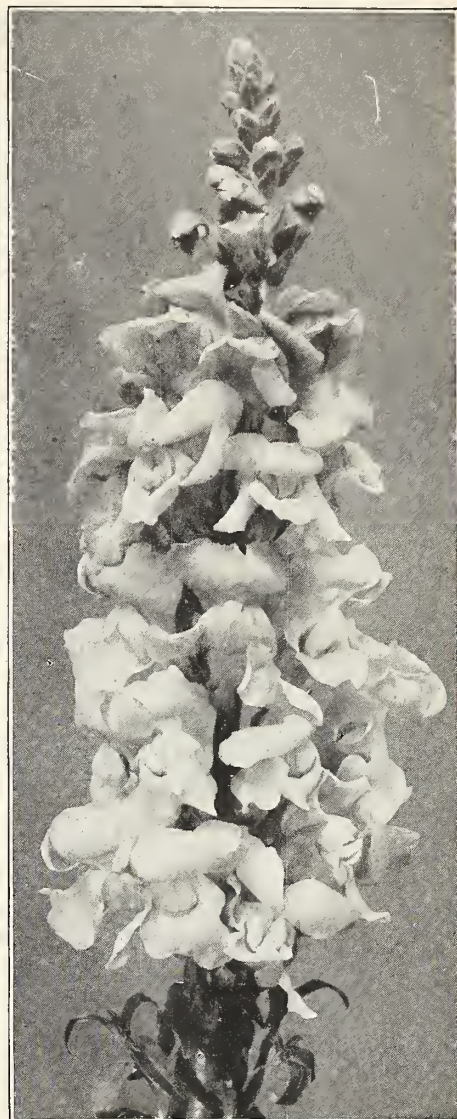
Varieties followed by (X) are sold in 1/2 trade pkts. at 60c each.
 Varieties preceded by a star (*) are best for early winter flowering.

BRONZE SHADES

	Trade P \$
Afterglow. Golden bronze Spring flowering X	1.00
Bronze Peggy Schumann. Same type as other Schumann varieties but flowers earlier than Pink Peggy	2.00
Bronze Christmas Cheer (Schlegel). A bright copper hood with lower part shading from deep gold to apricot. Well placed 1 1/4 to 2 inch individual florets No grassy growth.	2.00
Gilbert's Bronze Beauty. This variety is early flowering; seed sown in July blooms in November through Spring. Flowers have upper lips of dark brown with lower lips yellowish bronze.	1.50
Glorious (Frank). A highly attractive reddish copper with yellow lip. Popular in Chicago retail trade. Early flowering, none quicker on a comeback after first crop is off.	1.00
Ideal Improved (Hodaly). A blend of carmine rose shading into rich orange, tipped with lemon-yellow. Lips golden yellow, slightly suffused with carmine, white throat. Winter-flowering strain, blooming in four months from seed.	1.50
Lady Dorothy. Red-bronze with a glowing quality under artificial light. The color is somewhat similar to Glorious, but it is a true winter-flowering variety. Awarded a Silver Medal by the New York Florists' Club.	3.00
Miss Wooster. The color is a dazzling rich dark bronze. It is an ideal shipping variety.	1.00
*Sunlight. Improved Suntan, finest early golden bronze X	1.00
*Suntan. Rose shade of tan with tinge of yellow on lip. Early blooming X	1.00
Talisman (Windmiller). Improved strain, all double, all bronze, true to type and color, early and continuous, a fancy flower for retail trade. Excellent for combination.	2.00

PINK AND ROSE SHADES

America (Hodaly). Brilliant rose pink with orange lip, blending into pure lemon. The heads are sixteen to twenty-five inches long, carrying well set, large florets.	Trade pkt. \$1.50
Ball's Early Pink. Rose pink similar to Radiance.	1.00
*Better Times (Windmiller). A real American Beauty rose red. It is a first cross like Christmas Cheer but a deeper color. Excellent for Christmas and Valentine's Day.	2.00
Cheviot Maid. Reselected. Deep rose-pink X	1.00
*Christmas Cheer (Windmiller). Conceded the best early pink. Fine spike, excellent for Christmas and comes back for second and third crops. 1/2 Trade pkt. \$1.75	3.00
Daybreak. Strong, vigorous pink. Same shade as the Rose Briarcliffe. Heavy winter producer X	1.00
Delworth's Supreme. A Canadian introduction by the well known grower Cecil Delworth. It is a selection of Cheviot Maid made over a period of ten years for earliness and uniformity.	1.50
Dorcas Jane (Yoder). Light pink slightly larger flower than Mary Ellen and shade deeper and a little earlier. With a clean habit of growth and outstanding vigor. On display at the Ohio State University Short Course in January 1945, Dorcas Jane received very favorable comment from growers. 1,000 seeds \$1.50 (2,000 seeds)	2.50
Gilbert's Pink Queen Supreme. This is several shades deeper than Cheviot Maid Supreme and is particularly noted for the fact it produces perfect flower-heads.	1.50
La France (Windmiller). True strain, single plant selection, 100% true to type and color, ruffled satiny pink, excellent spikes and stem.	1.50
Light Pink Peggy Schumann. Blooms a little earlier than the darker variety.	2.00



MARY ELLEN

PINK AND ROSE SHADES—Continued

Marie Louise. Beautiful sea-shell pink. Strong and free-branching, producing long strong stems with compact flower spikes, with flowers closely set.	Trade pkt. \$2.00
*Mary Ellen (Yoder) is a light rose pink, blooming freely and evenly in winter. It is characterized by a stiff stem with very little side growth and a long head with medium sized, evenly spaced florets.	2.00
*Maryland Pink (Winkler). Early, light pastel pink. Large flowers. 1/2 trade pkt., \$1.75	3.00
New Cincinnati (Witterstaetter). The finest light rose X ..	1.00
Peggy Schumann Pink. A large close-flowering spike on a strong, sturdy stem; will not shatter and produces no blind shoots.	2.00
Radiance. Early rose pink.	1.00
*Rose-Pink Cheviot Supreme. Early, hard, wiry stems, small foliage, excellent keeper and shipper, intense color. Best in January.	1.00
Rose Queen. Dark pink X	1.00
Schaffroth's Pink. A beautiful soft rose pink. Early flowering. Also may be grown as a second crop which will be in fine flower for Mothers' Day. Fine spikes, is a clean grower, wonderful keeper and the flowers rarely drop.	1.50
St. Louis Pink (Rowe). Beautiful shade of silvery pink, the well placed flowers being produced on wiry stiff stems. Flower spikes being 10 to 12 inches in length and the flowers do not shatter. Sow early. Spring bloomer.	1.50
Terry's Surprise, Improved. Pink and bronze shades, late ..	1.00
Yoder's No. 33. One of the parents of Mary Ellen is uniform light pink, slightly deeper than Mary Ellen but with the same long stems and early flowering habit.	1.50

"SNAPS" For Greenhouse Forcing—Cont'd

RED

Schumann's Velvet Red is a true dark red velvet, an early bloomer.....	Trade pkt. \$2.00
Velvet Beauty. Rich American Beauty crimson.....	1.00
Velvet Supreme. A rich velvety scarlet crimson.....	1.50

LAVENDER

Ball's Lavender. A rich lilac lavender, fine spike and long stemmed.....	1.50
Bertha Baur. Standard lavender.....	1.00
Schumann's Lavender. Excellent, large flowered rosy lavender for spring blooming. Full heavy spikes.....	2.00
*Windmillers Lilac. Excellent orchid, true to type and color, early, hard wiry stems, small foliage, productive. Earliest in this color.....	1.50

WHITE

Feist's White (West Hills). A true sport of Cheviot Maid. Clear white with a touch of yellow on the lip. Spacing excellent.....	2.00
Junglewood White (Junglewood Greenhouses). Dazzling white; deep green foliage; tall, sturdy, whiplike stems; long spikes of closely set florets; a shatterproof quality, which permits an unusual number of flowers to be open before cutting..... 1/2 Trade pkt., \$1.25	2.00
*Koester's White. It is earlier and a stronger grower than White Wonder and just as pure white and clean a grower and more substantial spike of slightly ruffled flowers.....	1.50
*Lucky Strike Improved. Popular pure white, grows three to four feet with full spike of flowers. Blooms earlier than the original; does not drop or shatter.....	1.50
Margaret (Yoder) is a winterblooming ivory white, whiter than the old Lucky Strike but not as white as White Wonder. The stem is exceptionally stiff and there is almost no sidegrowth. The florets are of medium size. The florets last a long time and do not shed.....	2.00
Marion White (Schumann). A real white, large close flowering spike on a strong, sturdy stem, throwing small foliage..	1.50
Peace (Ball). Large closely set florets of the pure white on long, wiry stems. The unusually rich dark green foliage contrasts vividly with the snowy whiteness of its flowers.....	1.50
Schaffroth's White. Pure white. Midwinter blooming from July sowing. Produces 12 to 14 spikes per plant within a cropping period of four to five weeks.....	1.50
Schlegel's White. Early and vigorous grower for early and late planting.....	1.50
Snow White (Windmillers). Late white for Easter and Mothers' Day. A glorious white for weddings and church decorations. Stately spikes of white on long stems.....	1.50
Westover's Fringed Early White (Windmillers). An early development of Westover's Fringed White—an ideal wedding bouquet white—good early or late.....	1.50
White Peggy Schumann. Has the same characteristics of the popular Pink Peggy but blooms earlier.....	2.00
White Wonder, Improved. Longer and better stems with flowers well placed—keeping the pure white color of original.	1.50

YELLOW

Carol Jean (Dornacher). A shade lighter than Ethel. Has no wild growth whatever. Will not shatter.....	2.00
*Ceylon Court. Dark Selection. Canary yellow. Our introduction X.....	1.00
Coate's Yellow Perfection. Deep golden yellow. Spring flowering X.....	1.00
*Ethel. Is a large, bright yellow flower, winter bloomer, well formed head, good stems, easy to grow and shatterproof.	1.50
Frances Schlegel. In color a golden daffodil yellow, retaining color under any weather conditions; a good stem with no excess grassy growth and an excellent producer (averages five spikes to a plant). This variety received a silver medal at the New York Florists' Club this winter. 1946 Introduction.....	2.00
Gilbert's Yellow. Bright yellow. Sown July 1st and pinched September 15th, will start to bloom in November and blooms the whole season. Gives a high percentage of first grade flowers.....	2.00
Goldie (Windmillers). Deep early yellow.....	1.50

"SNAPS" For Greenhouse Forcing—Cont'd

YELLOW—Continued

Junglewood Yellow. 1946 Introduction. Large rich yellow flower. Vigorous, strong grower. Exceptionally heavy spike and stem. Midseason blooming. Remarkably free of side growth, non-shattering. Height about four feet. Awarded Exhibition Gold Medal Certificate at January meeting New York Florist Club..... 1/2 Trade pkt. \$1.25	Trade pkt. \$2.00
Klondyke Supreme. Deep intense golden yellow with extra large individual florets.....	1.00
Schlegel's Yellow. Early and vigorous grower for early and late flowering.....	1.50
Sunray. Large well placed yellow flowers on strong stems, a good shipper, has no grassy growth.....	1.50
Yellow Peggy Schumann. Has all the characteristics of Pink Peggy. Earlier and far superior to the old Schumann Yellow.....	2.00
*Yellow Wonder Early and free flowering. Has a good stiff stem, a fine commercial variety.....	1.50
Greenhouse Varieties Vaughan's Special Mixture. With pinks predominating.....	1.00

For outdoor sowing in southern states NOT for greenhouse forcing.

ANTIRRINUM

Vaughan's Special Rust Resistant, Majus Grandiflorum. Mixed. Tall large flowering with an amazing color range. Trade pkt., 25c; 1/4 oz., 70c; oz., \$2.40.



AGERATUM Midget Blue

Ageratum

Sow seed early to have good sized plants for spring. Plants from seed will vary some in habit.

Mexicanum Blue Ball Improved. 4-5 in.....	Trade pkt. Oz. \$0.35 \$3.20
Blue Bedder. 4 in. Uniform compact plants bearing clusters of lavender-blue flowers. The color is deeper than that of Blue Ball.....	1/4 oz., 90c .50 4.00
Blue Cap. 4 in. Dwarf compact habit. True blue flowers. Very uniform.....	1/4 oz., 90c .35 3.20
Blue Perfection. True blue. 6 in.....	1/4 oz., 50c .20 1.60
Fairy Pink. Dwarf and compact habit, flowers delightful soft salmon-rose.....	.50
King of the Blues. Dwarf, small foliage clusters, deepest blue flowers.....	1/4 oz., 90c .35 3.20
Little Blue Star. Tiny bushes, flowers light blue with red center. 4 in.....	1/4 oz., 65c .25 2.40
Midget Blue. A delightful little plant being uniformly dwarf and true to color from seed. The delicate fine foliage is practically smothered with small true Ageratum blue flowers.....	1/8 oz., 85c; 1/4 oz., \$1.60 .35 5.50
Purple Perfection. Rich and deep blue 1/4 oz., 40c	.20 1.40

Asparagus

Plumosus Nanus. (Lath House grown.) Caretully harvested, hand-picked, plump, well-matured seed of this is a specialty with us. 100 seeds, 30c; 250 seeds, 55c; 1,000 seeds, \$1.80.

Aster

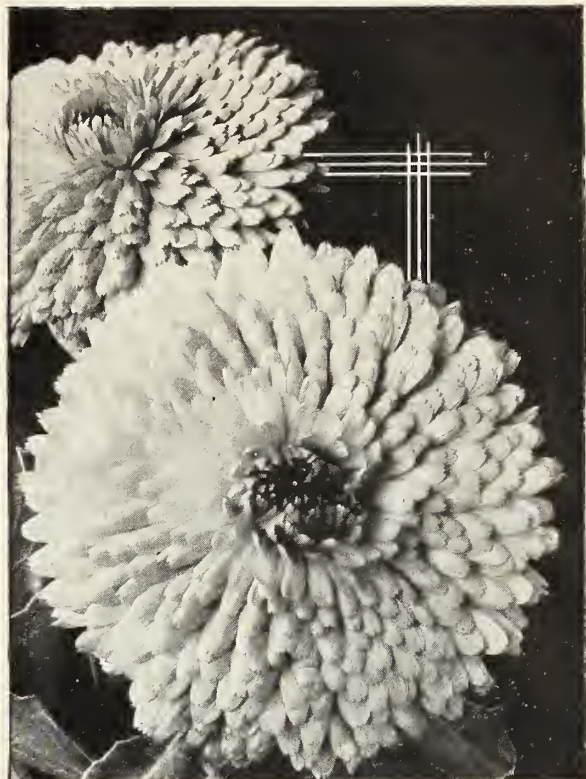
New Tilford Wilt Resistant Strain. This is of the Royal type in the following colors: **Purple, Rose, Shell pink and White** and will be supplied after harvest of 1940 at \$1.50 per Tr. pkt. We are booking orders now for delivery at that time.

Begonias — Fibrous-Rooted

Pink Pearl. This variety is not available this year. We suggest **Adeline** as substitute.

Red Pearl. As this variety is not available this year, we recommend **King of the Reds** instead.

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|--|------------------------------------|------|
| Gracilis Adeline (Improved Darling). Very dwarfest habit; bright pink flowers and green foliage, very attractive. Same color and dwarf habit as Pink Pearl. | 1/64 oz., \$2.50 | 1.00 |
| Carmen. Bright rose flowers, bronze foliage. | 1/64 oz., \$2.50 | 1.00 |
| Dwarf Luminosa. Bright scarlet, free flowering. Excellent pot plant. | 1/64 oz., \$3.00 | 1.00 |
| Fireball. Fiery crimson. 10 in. | | 1.00 |
| Bois de Vaux Rose. Vivid rose, floriferous pyramidal growth, green metallic foliage, decorated with narrow red border, compact, upright. | 1/64 oz., \$2.25; 1/32 oz., \$4.00 | 1.00 |
| Illusion. Is a masterpiece among the Begonias. Flowers attractive rose with a white blotch on every petal. Early flowering. Does well in sun or shade. Foliage is true Begonia green. 10 to 12 in. | 1/64 oz., \$2.00 | 1.00 |
| Indian Maid. 10 in. Bright deep scarlet buds and flowers with deep lustrous bronze foliage. | 1/64 oz., \$2.50 | 1.00 |
| Luminosa. Deep dark scarlet flowers, foliage reddish brown. 10 in. | 1/64 oz., \$2.50 | 1.00 |
| Prima Donna. Limpid rose, shading to carmine, most beautiful. 10 to 12 in. | 1/64 oz., \$2.00; 1/32 oz., \$3.50 | 1.00 |
| White Pearl. White. 10 in. | | 1.00 |
| Christmas Cheer Red. A very large-flowered variety, color dark crimson-scarlet. | 1/64 oz., \$2.00; 1/32 oz., \$3.50 | 1.00 |
| Christmas Pink. Identical to above variety only the color is a delightful shade of warm rose-pink. | 1/64 oz., \$2.00; 1/32 oz., \$3.50 | 1.00 |
| Semperflorens Elegance. The plant is of bushy habit, medium tall and most free flowering. The individual flowers are large, pink with white center, foliage clear green. | | 1.00 |
| Enchantress. Fresh rose color. | 1/64 oz., \$2.50 | 1.00 |
| Fire Sea. (Blaze of Fire). Fiery red flowers, green foliage. 8 in. | 1/64 oz., \$2.25; 1/32 oz., \$4.00 | 1.00 |
| Ile de France. The best white. The foliage is light green. The flowers are 1 1/4 in. to 1 1/2 in., pure white, with bright yellow stamens. They grow in compact form not to exceed 12 in. in height and approximately the same width. Fine for Easter and Mother's Day. | 1/64 oz., \$2.00 | 1.00 |
| King of the Reds. Very dwarf, glowing scarlet, foliage, green edged bronze. Same color and habit of Red Pearl | 1/64 oz., \$2.50; 1/32 oz., \$4.50 | 1.00 |
| Masterpiece. One of the largest flowered fibrous rooted Begonias, and the clear rose-pink blossoms have made it a great favorite. The flowers fairly cover the foliage. | 1/64 oz., \$2.25; 1/32 oz., \$4.00 | 1.00 |
| Rose Queen. Abundant carmine rose flowers, like Glöre de Lorraine, splendid plant for pots. | | 1.00 |
| Scandinavia Pink. An outstanding large-flowered pink variety for pots. Plants are of good branching habit with dark green foliage. Excellent for winter flowering | 1/64 oz., \$2.75; 1/32 oz., \$5.00 | 1.00 |
| Scandinavia Red. Like the above except in color. | | 1.00 |
| Snow. Pure white blossoms; green foliage. | 1/64 oz., \$2.00; 1/32 oz., \$3.50 | 1.00 |
| Winter Romance. Carmine rose, green foliage. | 1/64 oz., \$2.25; 1/32 oz., \$4.00 | 1.00 |
| Special Mixture for pots and bedding. | 1/64 oz., \$1.50; 1/32 oz., \$2.50 | 1.00 |



CALENDULA VAUGHAN'S IMPROVED SENSATION

Calendula—FORCING VARIETIES

- | | Trade | pkt | Oz. |
|---|-----------------------------|--------|--------|
| Sensation, Vaughan's Improved (Campfire). Long stems; very double, brilliant orange flowers. The blooms are very flat in shape. | 2 oz., \$3.50; 1/4 oz., 60c | \$0.40 | \$2.00 |
| Ball Apricot. Light straw or buff color with dark center. | 2 oz., \$3.50; 1/4 oz., 60c | .40 | 2.00 |
| Ball Gold, Light center. Has the same long stem and extra large, uniformly double flowers that are so well known in our Ball Orange Improved. | 1/4 oz., 60c; 2 oz., \$3.50 | .40 | 2.00 |
| Ball Lemon Queen. Dark center. | 1/4 oz., 60c; 2 oz., \$3.50 | .40 | 2.00 |
| Ball Improved Long Orange. Attractive bright golden orange with light eye; a clearer lighter color than the regular Long Orange. 1/4 oz., 60c; 2 oz., \$3.50 | 1/4 oz., 60c; 2 oz., \$3.50 | .40 | 2.00 |
| Ball Long Orange. Long-stemmed, light center, clear orange. | 1/4 oz., 60c; 2 oz., \$3.50 | .40 | 2.00 |
| Ball's Orange Improved. Rich orange, light center. Petals slightly notched. | 1/4 oz., 60c; 2 oz., \$3.50 | .40 | 2.00 |
| Ball Masterpiece. Extra long-stemmed, deep orange-brown center. | 1/4 oz., 60c; 2 oz., \$3.50 | .40 | 2.00 |
| Ball White (Moonlight). A beautiful soft cream yellow. | 1/4 oz., 60c | .40 | 2.00 |
| Vaughan's Special Mixture for greenhouse forcing | 1/4 oz., 50c | .35 | 1.50 |

Candytuft

Giant Hyacinth-Flowered Pure White Select. Trade pkt. Oz.
This is a superior strain; it grows about 1 1/2 feet high, with enormous trusses of blooms. The best strain in existence for florists' use. 4 oz., \$2.60; lb., \$8.00 \$0.20 \$0.80

Candytuft Umbellata 12 in.

- | | |
|-------------------------|----------------------------------|
| Alba. White. | Purpurea. Crimson. |
| Carminea. | Rose Cardinal. Rose-pink. |
| Flesh. Pink. | Vaughan's Special Mixed. |
| Lilacina. Lilac. | |

Each of above. Trade pkt., 15c; oz., 50c; 1/4 lb., \$1.60

May be sown late in Fall in Tulip beds.



CENTAUREA Cyanus Super Giant Double Mixture

Centaurea Cyanus
SUPER GIANT Cornflower

The flowers of these strains are large, fully double and colors intensified. Long stems for cutting.

- Black Boy.** Blackish maroon.
- Blue Boy.** Rich deep blue, very large flowers.
- Pinkie.** Deep pink. **Red Boy.** Deep red. **Snowman.** Best white.
- Vaughan's Mixture of Super Giant New Varieties Mixed.**

Each of above, Trade pkt., 15c; oz., 45c; 4 oz., \$1.45; lb., \$4.50.

May also be sown out of doors just before freezing for early spring blooming.

Chinese Forget-Me-Not

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| Cynoglossum Amabile, Blue Bird. A lovely plant 18 to 24 inches tall, with bright blue flowers. Makes wonderful cut flower material..... | Tr. pkt. | Oz. | |
| 1/4 oz., 30c | | | \$0.15 \$1.00 |
| Amabile, Fairy Blue. Attractive deep Cambridge or azure blue..... | 1/4 oz., 25c | | .15 .80 |
| Firmament. A compact variety of bushy, growth, 15 to 18 inches tall. Smothered with rich dark blue flowers..... | 1/4 oz., 35c | .20 | 1.20 |

Clarkia Elegans Fl. Pl.—2 ft.

This is now much planted for cutting, both in and outdoors. If grown indoors, plants must be starved. Grow on in flats or shallow raised bench.

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| Albatross. Pure white. | Salmonea Perfecta. True salmon, extra double. |
| Purple Prince. Rich purple. | Scarlet Queen. |
| Rosy Morn. Beautiful rose color, very double. | Vaughan's Special Mixture. |
| Each of above. Trade pkt., 15c; 1/4 oz., 30c; oz., \$1.00. | |



CINERARIA Multiflora Nana Gold Center

CINERARIA "GOLD CENTER"
OF THE MULTIFLORA NANA TYPE

We were the introducer of this magnificent strain several years ago. It is distinguished by the golden yellow stamens—in the type they are dark. The flowers are produced in great profusion, are of the same size and color range as the Multiflora Nana. The golden yellow stamens make a wonderful contrast with the blues, reds and pinks of the flowers.

1/32 oz., \$3.50; 1/64 oz., \$2.00; 500 seeds, 60c; 1000 seeds, \$1.00.

Cineraria Hybrida

- Vaughan's Columbian Mixture.** Contains the best large flowering types and colors as well as Cremer's, Potsdam, Siter's and Gold Center strains and cannot be excelled in variety of colors, size, shape and substance of flowers and perfect habit of plant. . . .
1/64 oz., \$1.75; 1/32 oz., \$3.00; 1/16 oz., \$5.50; 1000 seeds \$1.00 . . .
- Cremer's Improved Prize Strain.** Originator's Packet..... 1.50 . . .
- Cremer's Prize Mixture. Re-selected.** Somewhat taller and larger flowered than Multiflora Nana 1/64 oz., \$2.20; 1/32 oz., \$4.00; 1/16 oz., \$7.50 1.50 . . .
- Howard and Smith's Strain.** Mixed. A very fine selection from a California specialist. 1.00 . . .
- Vaughan's Special Mixture of Cremer's, Siter's and Gold Center** 1/64 oz., \$2.00; 1/32 oz., \$3.75 1.00 . . .
- Multiflora Nana. Mixed, all colors.** 1/64 oz., \$1.60; 1/32 oz., \$3.00 1.00 . . .
- Potsdam Strain. Mixed** (Berlin Market or Weisensee). American grown seed. The plants are taller and flowers larger than Cremer's. 1/64 oz., \$1.75; 1/32 oz., \$3.00 1.00 . . .
- Siter's Rainbow Strain. Mixed.** Immense flower heads of medium large flowers ranging from bright eyed types to finer pastel shades. Compact growth with small leaves. Earlier than Cremer's. 1/16 oz., \$8.00; 1/32 oz., \$4.50; 1/64 oz., \$2.50 2.00 . . .
- Star Cineraria. (Cineraria Hybrida Polyantha).**
Feltham Beauty. Fine small flowering variety for cutting and decorative purposes, nearly all have white centers. 2 ft. 1000 seeds .75 . . .

Easter 1947 is April 6th.

The date of Easter falls invariably on the first Sunday after the first full moon occurring on or after March 21.

Cyclamen—*Persicum Giganteum*

Our Cyclamen seed has been grown by experienced American and European growers who have specialized in this item for years.

Cyclamen prices are net. 250 seeds of one variety at 1000 rate, less than 250 seeds of one variety at 100 rate.

	100 seeds	1000 seeds
Beardse's Wonder. Salmon with white border. Strong grower, of compact habit. Very profuse bloomer.	\$2.25	\$20.00
Bonfire. Brilliant salmon.	2.25	20.00
Bright Red.	1.75	16.00
Dark Blood Red.	1.75	16.00
Lavender.	1.75	16.00
Mozart. Deep pink.	1.75	16.00
New Ruffled, Mixed.	2.30	21.00
Orange Beauty. Orange vermilion.	2.30	21.00
Pink Pearl. Salmon-pink.	2.30	22.00
Pure Rose.	1.75	16.00
Pure White.	1.75	16.00
Saffron Red Silver Edge.	2.50	22.00
Salmon Scarlet (America Improved).	2.30	20.00
Salmon-Rose Improved.	2.25	20.00
Salmon Dark (Glory of Wandsbek or Pearl of Zehlendorf).	2.20	18.00
Salmon Light (Rose of Zehlendorf).	2.20	18.00
Soft Rose with Carmine Eye (Improved Rosa von Marienthal).	1.75	16.00
White with Carmine Eye.	1.75	16.00
Vaughan's Florist Mixture	1.75	15.00

Double Cyclamen

This strain comes about 80% true from seed.

- Admiration. A beautiful salmon-rose with shaded eye.
- Cerise Brilliant. A good Christmas red.
- Coral Pink with mulberry eye.
- Fluffy White with pink eye.
- Orchid Pink. A distinct new shade.
- Prosperity. An azalea type, flaming rose color.
- Rosea. A soft rose with a coral cast, shading lighter at petal tips.
- Double Mixed.

Each of the above, 100 seeds, \$3.50; 250 seeds, \$7.00; 500 seeds, \$13.00.

Delphinium

PACIFIC GIANT (Vetterle and Reinelt)

This strain produces plants that are 60 to 65 per cent mildew resistant. The flowers are of immense size, tightly set on straight stems that are strong and whippy. The flowers do not shatter and represent a truly outstanding addition to the cut flower market.

- Black Knight Series.** Deep mid-night violet. The darkest of them all. Flowers of beautiful round form, with heavy velvety texture.
 - Blue Bird.** A clear medium blue with white bee with huge tall spikes.
 - Blue Jay.** Brilliant true medium blue with dark bee.
 - Cameliard Series.** This is a pure lavender self, with white bee.
 - Galahad Series.** Clear white of enormous size, averaging three inches in diameter of individual flowers with very heavy glistening texture.
 - Guinevere.** Light pink lavender self with white bee.
 - King Arthur.** Brilliant royal violet with large white bee.
 - Summer Skies.** Clearest light blue with white bee.
 - Round Table Series.** As the name implies, this represents all of the color combinations of the above Knights and their Ladies.
- Each of the above, Trade pkt., \$1.25; 1/8 oz., \$2.50; 1/4 oz., \$4.00; oz., \$14.00.
- Pacific Giant. Clear White.** Individual florets 2 to 2 1/2 inches in diameter. Well placed on large well balanced spikes. Clear glistening white with heavy texture. Excellent for show purposes. Not Mildew resistant.
 - Pacific Giant Dark Blue Shades.**
 - Pacific Giant Light Blue Shades.**
 - Pacific Giant Lavender Pastel Shades.** Color range from light lavender to deep smoky lavender, generally of two tone combinations with brown or black bees.
 - Pacific Violet Shades.**
 - Pacific Giant Mixed.**
- Each of above 6: Trade pkt., \$1.00; 1/8 oz., \$2.00; 1/4 oz., \$3.50; oz., \$12.00.

Didiscus Coeruleus

Vaughan's Improved Wilt-Resistant Blue Lace Flower

An improved variety with flowers of a deeper blue and half again as large as the original type. Strong heavy stems, many measuring 18 inches from first joint, with well shaped flowers measuring 2 1/2 to 3 1/2 inches in diameter. Plant in spots to follow "mums" or sow direct in beds, thinning to about 6 in. in rows a foot apart, does not transplant well. Not over Carnation temperature needed.

Trade pkt., 50c; 1/8 oz., \$1.00; 1/4 oz., \$1.75; oz., \$6.00.

DRACAENA Indivisa. Ornamental plants with long narrow gracefully arching green leaves. Trade pkt. Oz. 1/4 lb., \$1.50; lb., \$5.00 \$0.15 \$0.50

Escholtzia

Sow seed outside just before ground freezes up for the winter for early blooming next spring.

California, Spreading Varieties. 1 ft.	Trade pkt.	Oz.
Aurantiaca. Orange.	\$0.15	\$0.60
Golden West. Yellow-orange center.	.15	.60
Mandarin. Inside petals orange, outside scarlet.	.15	.60
Vaughan's Special Mixture	1/2 oz., 45c	.20 .80
Hunnemannia (Bush Escholtzia). Yellow. 18 in.	.15	.60
Sunlite. Double bright canary colored flowers. Grey green foliage.	1/4 oz., 45c	.25 1.20

EXACUM Affine. Beautiful greenhouse pot plant, producing sweet scented bright mauve flowers. Flowering within 6 months from sowing. Height 9 inches. Trade pkt., \$1.00.

GYPSOPHILA. Elegans Grandiflora Alba, London	Trade pkt.	Oz.
Market. Special Florist Strain. 1/4 lb., 75c; lb., \$2.25	.....	\$0.25
Carminea. Deep rose.	1/4 oz., 45c	\$0.15 1.40
Crimson	1/4 oz., 45c	.15 1.40

Kalanchoe

- Globulifera. Var. Coccinea (Blossfeldiana).** 12 inches. Bright scarlet flowers. Very choice pot plant. 3,000 seeds, \$1.10; 1,500 seeds .60
- Hybrida Flame.** In brilliancy of color this Kalanchoe is unsurpassed. The flower heads are borne on wiry stems with up to 200 individual flowers. The color is a vivid fiery-red, much more pleasing than that of other Kalanchoes. 500 seeds 1.00
- Tom Thumb.** A dwarf variation of the popular K. Blossfeldiana, with the same color. The general habit is more dwarf and the very short-flowering stems form just beyond the foliage and the flowers actually envelope the entire plant. 1/64 oz., \$5.00; 1,000 seeds, 1.25
- LEUCOCORYNE Ixioides (Glory of the Sun).** Large, fragrant flowers, blue with white centers, charming for cutting. 1.00

Lilies

Seeds sown in October or November should be transplanted into 2 1/2 inch pots or bands 3 or 4 months after sowing. Carry along until August when they should be planted in the bench 6x8 inches apart or grown in 4 or 5 inch pot. These will grow into plants carrying 2 or 3 flowers the following Spring.

If only buds are cut at this time, letting the foliage dry down by gradually withholding water, and then placing bulbs in cold storage at 32 to 40 degrees and then potting; the next Spring a much higher bud count can be expected.

Longinorum Praecox White Queen. Produces blooms of the well known. Erabu type within 13 or 14 months from sowing. 5 trade pkts., \$4.50; trade pkt., \$1.00.



ANNUAL LARKSPUR GIANT IMPERIAL

Annual Larkspur

To get satisfactory germination from Larkspurs in the hot weather, it is necessary to chill the seeds in an ice box for several days before sowing. Can also be sown outdoors just before freezing for early spring flowering.

GIANT DOUBLE IMPERIAL—4 ft. Base Branching Type

This type is the most desirable for outdoor growing. An annual Larkspur of upright growth, branching from the base of plant, producing more and longer flower stems for cutting:

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|--|---|
| Blue Bell. Fine medium blue. | Lilac Spire. Beautiful lilac color. |
| Blue Spire. Dark blue. | Los Angeles Improved. Salmony scarlet. |
| Carmine King. Carmine rose | Miss California. Deep pink on salmon. |
| Coral King. Blush pink with a suffusion of coral. | Montrose. Clear rose pink. |
| Daintiness. Delicate lavender. | Pink Perfection. Lively light pink, large double florets, upright habit. |
| Dazzler. Rich scarlet. | Sweet Lavender. Light lavender blue. |
| Exquisite Pink Improved. Salmon-pink. | White King. Glistening pure white. |
| Gloria Improved. Rich deep rose-salmon. | |
| Lilac King. Rich lilac | |
- Each of the above, Trade pkt., 25c; ¼ oz., 40c; ½ oz., 65c; oz., \$1.10; lb., \$11.00.
- Brilliant Rose.** Trade pkt. 35c; ¼ oz., 80c; ½ oz., \$1.30; oz., \$2.20.
- Giant Imperial Vaughan's Special Mixed.** All colors. Trade pkt., 25c; ¼ oz., 40c; ½ oz., 65c; oz., \$1.10; lb., \$11.00.

STOCK-FLOWERED—4 ft.

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|-----------------------------------|---|
| Ageratum Blue. Sky Blue. | Rose Queen. Deep rose-pink without salmon shading. |
| Dark Blue. | White. |
| Lilac Supreme. Deep lilac. | |
| Rosamond. Pure rose. | |
- Each of the above. Trade pkt., 25c; oz., 90c; ¼ lb., \$3.20; lb., \$9.60.
- Vaughan's Special Stock Flowered Mixed.** Trade pkt., 25c; oz., 90c; ¼ lb. \$3.20; lb., \$9.60.

LARKSPUR—Continued

SUPER MAJESTIC—5 Ft.

Long tapering laterals branch from base of each plant and grow close to main stem, vigorous growth and abundance of flowers.

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| Lavender. | Rose Pink. | White. |
| Each of above. Trade pkt., 35c; ¼ oz., 50c; 1 oz., \$1.50; ¼ lb., \$5.00; lb. \$15.00. | | |

Lobelia

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| Erinus Crystal Palace Compacta 4 in. Deep blue, dark foliage..... | Trade pkt. Oz. | |
| ¼ oz., 85c | \$0.25 | \$3.00 |
| Compacta Blue Gown. Clear deep blue, without eye, fine compact habit..... | .25 | ..... |
| Blue Stone Reselected. Compact habit, large flowers, brilliant mid-blue..... | ¼ oz., 85c | .25 3.00 |
| Emperor William. Gentian-blue, light foliage. 4 in..... | ¼ oz., 85c | .25 3.00 |
| Mrs. Clibran. Deep blue, white eye, light foliage..... | ¼ oz., 85c | .25 3.00 |
| Pumila Splendens, Bedding Queen. Dark navy blue with clear white eye..... | ¼ oz., 85c | .25 3.00 |
| Alba, Snowball. 4 in..... | .35 | ..... |
| Sutton's Cambridge Blue. Light blue with green foliage..... | ¼ oz., 85c | .25 |
| Pendula Sapphire. (for hanging baskets), Large deep navy-blue with white eye..... | ¼ oz., \$1.00 | .35 |

Lupinus

Free-flowering, easily grown annuals, with long, graceful spikes of rich and various colored pea-shaped flowers; valuable for cutting to follow "mums" or sweet peas as a "catch crop." Sow 3 or 4 seeds in a 3 or 4 in. pot. Keep in cold frame until late October or November. Transplant into a ground bed and grow slowly in cool temperature. Space 10x12 inches, water well after transplanting and then keep on dry side until plants are established.

Hartwegii Giants or King Lupinus. This improved giant strain is over a foot taller than the ordinary strain, reaching a height of 3 or 4 feet. There are five or six long basal branched spikes to each plant, bearing closely placed giant blooms.

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| King Dark Blue | King White | |
| King Heliotrope | King Mixed | |
| King Sky Blue | | Trade pkt. Oz. |
| Each of the above..... | lb., \$8.00 | \$0.20 \$0.85 |

Marigold

For best results, seed should be sown from July up to December. Plant in any house that can be kept free from frost. No insect pests.

Tall African Double Fistulosa, 3 Ft.

An especially fine tall branching strain, bearing enormous flowers of the quilled type.

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| All Double Lemon. Trade pkt., 25c; ¼ oz., 50c; oz., \$1.60. |
| All Double Orange. Trade pkt., 25c; ¼ oz., 50c; oz., \$1.60. |
| Lemon Queen, Los Angeles Florist Strain. All double. Trade pkt., 25c; ¼ oz., 50c; oz., \$1.60; 4 oz., \$5.00. |
| Prince of Orange, Los Angeles Florist Strain. All double. Trade pkt., 25c; ¼ oz., 50c; oz., \$1.60; 4 oz., \$5.00. |

Yellow Supreme. Rich creamy, broad loose-leaved petals of honey fragrance. Trade pkt., 25c; ¼ oz., 50c; oz., \$1.60.

Guinea Gold. Semi-double type with long loose petals. Brilliant shade of orange flushed with gold. 2½ ft. Trade pkt., 25c; ¼ oz., 50c; oz., \$1.60.

Lieb's Winter Flowering. Mahogany brown with golden yellow crested center. For a fine paying winter outflower, especially in a retail growers establishment Lieb's varieties are highly recommended. Seeds can be sown from August to December. Space plants ten inches apart in bench in not too rich soil in Carnation house temperature. Trade pkt., 25c; ¼ oz., 60c; oz., \$2.00.



MARIGOLD All Double Los Angeles Florist Strain

Myosotis—Forget-Me-Not

- Alpestris Blue Eyes. Bright blue with white eye, Trade pkt. Oz.
large, early flowering..... 1/4 oz., \$1.40 \$0.35 \$5.00
- Indigo Blue (Royal Blue). 12 in..... 1/4 oz., 95c .35 3.20
- Indigo Blue Compacta. Dwarf. Dark blue....
..... 1/8 oz., 90c; 1/4 oz., \$1.60 .35 6.00
- Vaughan's Early Blue Bird. An extra early flower-
ing strain of Blue Bird type and color. For cutting
and valuable for pots..... 1/4 oz., 85c .35 3.00



NASTURTIUM Double Glorious Gleam Hybrids

Nasturtium

Double Climbing Fragrant Varieties. Sow seed in late summer and give support early. Like cool nights and considerable water. Their bright flowers of spicy fragrance will come in handy during the winter months.

- Tall Golden Gleam. Semi-double, yellow.
 - Indian Chief. Vivid scarlet flowers.
 - Scarlet Gleam. Bright orange-scarlet.
 - Glorious Gleam Hybrids. Wonderful range of color in double and semi-double flowers.
- Each of the above: Oz. 25c; 1/4 lb. 70c; 1b. \$2 40.



PHLOX Drummondii Gigantea

Phlox Drummondii Grandiflora

These grandiflora varieties make fine cut flowers. For best results, sow seed where you want them to bloom.

- Alba. White.
 - Brilliant. Rose dark eye.
 - Chamois Rose.
 - Cinnabar Scarlet. Brightest red.
 - Flaming Velvet. Deep velvety red.
 - Isabellina. Buff yellow. Trade pkt. only 35c.
 - Rosea.
 - Rosea Alba Oculata. Rose with white eye.
 - Scarlet.
 - Stellata Splendens. Scarlet white eye.
 - Stellata Atropurpurea. Deep reddish purple with white eye.
 - Stellata Rosea. Rose with white eye.
 - Violet Blue. Trade pkt. only 35c.
- Each of above: tradepkt., 35c; 1/4 oz., 60c; oz., \$2.00. Tradepkt. Oz.
- Best large-flowering. Mixed..... 1/4 oz., 50c \$0.25 \$1.60
 - Gigantea Art Shades..... 1/4 oz., 90c .40 3.00
 - Red Glory. This is the richest bright red, with contrasting white eye..... 1/4 oz., 90c .40 3.00
 - Rosy Morn. Rose-pink with white eye, color deeper than Petunia of same name.... 1/4 oz., 90c .40 3.00
 - Salmon Glory. Pure salmon-pink with creamy white eye..... 1/4 oz., 90c .40 3.00
- Phlox. Vaughan's Special Annual Mixture.** Contains all the Grandiflora varieties listed here and several other strains only to be had in this mixture, and will delight and astonish all with its extensive variety of colors..... 1/4 oz., 60c .25 2.00

PHLOX DRUMMONDI DWARF VARIETIES

- Apricot.
 - Atropurpurea. Crimson.
 - Chamois Rose.
 - Coerulea Stellata Blue. White eyes.
 - Fireball. Scarlet.
 - Isabellina. Yellow.
 - Mirabilis. Begonia rose, white eye.
 - Snowball. White.
 - Violet.
 - Violet With White Eye.
- Tradepkt. Oz.
- Each of above..... 1/4 oz., 90c \$0.40 \$3.20
 - Dwarf Mixed. All colors..... 1/4 oz., 75c .35 2.60

Pansies See outside back cover.

Large Flowering Single Petunias



PETUNIA Dwarf California Giants Improved (Vaughan's Blend)

For complete list see Spring Catalog

GIANT-FLOWERING SINGLE

The flowers in this section measure from 5 to 7 inches across.

DWARF CALIFORNIA GIANTS IMPROVED

(Vaughan Blend)

The best strain of giant-flowered Petunias in existence for pot culture and bedding. The plants are bushy, grow about 12 inches high and produce their immense flowers freely and in a wonderful variety of colors.

1/2 Trade pkt., 75c; Trade pkt., \$1.25; 1/4 oz., \$2.50;
1/32 oz., \$4.50; 1/16 oz., \$8.00.

Dwarf California Giants. Dark Selection. A favorite with many growers and it has given universal satisfaction

1/2 Trade pkt., 60c; Trade pkt., \$1.00;
1/4 oz., \$1.75; 1/32 oz., \$3.20; 1/8 oz., \$11.00; oz., \$64.00.

Extra Dwarf Giants of California. This strain has been bred to fill the need for a truly dwarf pot Petunia. It is by far the best strain for this purpose in existence today. The color range has also been greatly improved and brightened. 1000 seeds, \$1.50.

RUFFLED GIANTS WITH LARGE-VEINED THROATS

The flowers in this section measure from 5 to 7 inches across.

	Trade pkt.	Oz.
Copper-Red. Dark-throated.	1/32 oz., \$2.70; 1/64 oz., \$1.40	\$0.75
Giants of California. Mixed. This is a most superb mixture, not at all to be compared with the seed usually offered.	1/64 oz., \$1.40; 1/32 oz., \$2.70; 1/16 oz., \$4.75	.75
Prince of Wuerttemberg. Rich dark red with dark throat.	1/32 oz., \$2.70; 1/64 oz., \$1.40	.75
Princess of Wuerttemberg. Pink veined purple.	1/32 oz., \$2.70; 1/64 oz., \$1.40	.75
Salmon Beauty (Marylyn). A unique color, rich salmon.	1/64 oz., \$1.50	.75

RUFFLED GIANTS—Continued

Supreme Florist strain of Giants of California. A Trade pkt. Oz. strain of rose and pink shades with large ruffled, shallow open throated flowers freely produced on strong growing plants.	1/64 oz., \$1.50; 1/32 oz., \$2.75;	
.....	1/16 oz., \$5.00	\$0.75
Ruffled Monsters in mixture.....		
.....	1/64 oz., \$1.20; 1/32 oz., \$2.00; 1/16 oz., \$3.60	.50

LARGE SINGLE FRINGED

(Flowers 3 to 4 inches across)

Blushing Maid. The flowers are of largest size, deeply fringed and ruffled, of a rosy pink and white with yellow veins and throat. One of the loveliest giant single Petunias.		.50
Dainty Lady. The plants are neatly compact, semi-dwarf and free flowering, bearing generous quantities of medium sized, delicately fringed dark cream colored flowers.	1/64 oz., \$1.50	.50
Royal Beauty (Marine). The most beautiful of all blue purple Petunias.	1/64 oz., \$1.50; 1/32 oz., \$2.75	.50
Scarlet Beauty. Bright scarlet. Good sized, well fringed beautiful flower.	1/64 oz., \$1.50	.50
Theodosia. Re-selected. Large flowered, fringed, rosy pink with a clearly defined, golden throat. Fine for window boxes.	1/32 oz., \$2.50; 1/64 oz., \$1.40	.50
White Beauty. White fringed	1/32 oz., \$2.75; 1/64 oz., \$1.50	.50
Fluffy Ruffles. In our opinion, the very best strain available, finely fringed and ruffled; mixed colors, about 75% ruffled.	1/32 oz., \$1.40; 1/16 oz., \$2.50	.50

LARGE SINGLE PLAIN EDGED

(Flowers 3 to 4 inches across)

Blue Beauty. A large-flowering Petunia of clear, deep blue. Flowers of extra large size on plants of vigorous growth. Extremely free flowering	1/32 oz., \$2.50; 1/64 oz., \$1.40	.50
Burgundy. Large-flowered, 3 1/2-inch blooms, shades of purple or carmine with white throat and tube with violet veins.	1/64 oz., \$1.00	.50
Dwarf Elk's Pride. Re-selected. Velvety violet. Customers will find our vastly superior to strains usually offered.	1/64 oz., \$1.40; 1/32 oz., \$2.50; 1/16 oz., \$4.50	.50
Dwarf Pink Glory. Compact habit, pure flame rose-pink.	1/32 oz., \$2.00	.50
Giant Flaming Velvet. Vivid velvety blood-red, comes 100% true.	1/64 oz., \$1.40	.50
Snow Storm. Flowers are the purest white and the uniformity of the dwarf compact growth is marvelous. We think this is one of the best large-flowered single white.	1/16 oz., \$5.25; 1/32 oz., \$3.00; 1/64 oz., \$1.75	.75
White Cloud. 12 in. A great favorite on account of its dwarf compact habit.	1/64 oz., \$1.00; 1/32 oz., \$1.75; 1/16 oz., \$3.25	.50

LARGE-FLOWERING DWARF (Erfurt Strain)

(Flowers 3 to 4 inches across)

	Trade pkt.	Oz.
Lace Veil. White flowers 2 1/2 in. across.		\$0.50
Setting Sun. Brilliant rose-pink fringed flowers.	1/64 oz., \$1.50; 1/32 oz., \$2.75	.50

Vaughan's Best Mixture. Large-flowering single sorts. This mixture is made up by ourselves from all the best single Petunias both fringed and plain-edged, and will give the most satisfactory results. Trade pkt., 50c; 1/64 oz., \$1.00; 1/32 oz., \$1.80; 1/16 oz., \$3.20.



PETUNIA Celestial Rose Improved

PETUNIA—Continued

SINGLE SMALL-FLOWERED DWARF SORTS

Admiral. Extra reselected. This is the best dwarf clear blue Petunia, of good size, and even growth.	Trade pkt. Oz	
1/4 oz., \$1.60; 1/32 oz., \$3.00; 1/16 oz., \$5.50; 1/8 oz., \$20.00	\$0.75	....
Blue Ball. Early flowering velvety violet blue. Several shades lighter than Blue Bird, Dwarf and compact growth. One of the best ever offered.	1/8 oz., 70c	.35
Blue Bird. Deep violet, extra fine.	1/4 oz., 80c	.25 \$2.80
Bright Eyes. Coloring is appealing rosy pink, with white towards the throat, really a bicolor rose and white.	1/16 oz., 90c; 1/8 oz., \$1.60	.50
Celestial Rose Improved. Definitely superior to the regular Celestial Rose, slightly dwarfier in habit and larger flowered. Unquestionably the best available strain of this fine pot plant item.	1/4 oz., \$1.75; 1/8 oz., \$1.00	.50 6.00
Cheerful. The clear salmon pink flowers have a deeper rose veining toward the throat. Growth is densely compact and the plants studded from early summer until frost with flowers 2 1/2 in. across.	1/16 oz., 90c; 1/8 oz., \$1.60; 1/4 oz., \$3.00	.50
Cream Star. Flowers grow 2 1/4 in. across and are shaped like five-pointed stars; soft creamy white deepening towards the throat to a bright golden yellow. Plants, when fully grown, are 12 in. high.	1/4 oz., \$2.00; 1/8 oz., \$1.10	.50
Heavenly Blue. Reselected. A light silvery blue varies about 10% in shade. 1/8 oz., 90c; 1/4 oz., \$1.50	.35	5.00
First Lady. A color of light pink. The individual flower measures over 2 1/2 inches across; very free flowering. Strong sun cannot burn the beautiful color.	1/16 oz., \$1.25; 1/8 oz., \$2.00; 1/4 oz., \$3.75	.35
Igloo. Plants are true, very uniform and compact growing. 12 to 15 inches tall. The small, 1 1/2 inch creamy white single flowers with yellowish throats.	1/8 oz., \$1.10	.50
King Henry (Dwarf Flaming Velvet). Large flowers of a rich velvety blood-red color. Very free flowering. Dwarf compact habit. . . . .		.50
Martha Washington. Flowers frilled and ruffled, 3 inches in diameter. Blush pink veined rich wine-red, deepening at throat, which is a dark violet. 9 in. . . . .		.50
Peach Red. Rich salmon cerise, distinct, and the richest salmon. Flowers are plain petalled, of medium size.	1/16 oz., 75c; 1/8 oz., \$1.25	.35
Rose of Heaven Select. A brilliant rose-pink.	1/8 oz., 75c; 1/4 oz., \$1.40	.50 5.00

PETUNIA SINGLE SMALL FLOWERING DWARF SORTS—Continued

Rosy Morn. Select. Pink with white throat.	Trade pkt. Oz	
1/4 oz., 75c	\$0.35	\$2.80
Snow Queen. Compact in growth with abundance of snow-white flowers.	1/4 oz., \$1.00	.35 3.60
Sutton's Blue Bedder. Midblue.	1/4 oz., \$1.00	.35 3.60
Twinkles. Masses of small, brilliant rose flowers with well defined pure white star.	1/4 oz., 70c	.25 2.40
White Perfection. This is one of the best white Petunias in existence. They are compact in growth with abundant snow-white flowers, which profusely cover the plants.	1/8 oz., 65c; 1/4 oz., \$1.20	.35 4.00
Vaughan's Special Dwarf Mixture. Small flowering sorts.	1/4 oz., 75c	.35 2.80

DOUBLE PETUNIAS

DOUBLE LARGE-FLOWERING

Colossal Shades of Rose. Winner of All America Award for 1946. The first Giant All-Double Petunia produced in America. These giant double blooms are up to 5 inches or more across on vigorous compact plants, and are especially valuable for pot plants. This blend of colors comes in rich rose shades from salmon-pink through rosy-pink to deep rosy-mauve. Delivery about Sept. 1.

Net price, 500 seeds 3.00

DOUBLE SMALL-FLOWERING

All-Double America. America is the all double type, of medium size, 100 per cent carnation-flowered, and rose-pink in color. It super-edges the Double Rosy Morn with same color and growth. America Petunia it is a hybrida nana, an abundant bloomer from early summer to frosts; for bedding and cutting. Uniform and true.

1/16 oz., \$7.50; 1/2 trade pkt., \$1.20 2.00

Ericksson's Malacoides (Baby Primrose) ORIGINATOR'S SEED

Recent improvements in this Baby Primrose class have made it indispensable for Florist's use. September sown seed will produce nice plants for Easter and Mother's Day.

RIVERSIDE STRAIN

This is the newest strain, flowers are larger, stems are heavier; foliage is stiffer, more upright and heavier. Flowers have more substance and last longer. About two weeks later in blooming. This type does not "crop" in and gives a longer period in which to sell plants.

Giant Pure White.

Glory of Riverside Improved. A true rose pink, free bloomer with large flowers and robust grower.

Lilac Beauty. Pure light lilac, 100% even color when blooming and a delight to work in combinations.

Mrs. Ericksson of Riverside. A glowing rose-red, a very strong grower with heavy flower stems and stiff foliage; large flowers in heavy clusters of medium height.

Peachblossom. Deep peachblossom pink.

Each of the above: 500 seeds, \$1.25; 2,000 seeds, \$4.00; 6,000 seeds, \$10.00.

Ericksson's Special Mixture. 800 seeds, \$1.25; 2,000 seeds, \$3.00; 6,000 seeds, \$8.00; 1/32 oz., \$10.00.

New Baby Improved. Glowing deep pink. 800 seeds, \$1.25; 2,000 seeds, \$3.00; 6,000 seeds, \$8.00; 1/32 oz., \$10.00.

NEW GIANT MALACOIDES

Double Fairy Jewels. The color is a lovely rich rose pink. The strain comes 90% to 95% double from seed. Trade packet (about 1,000 seeds), \$1.50.

Enchantress. A beautiful, soft salmon rose. The well rounded, beautifully formed flowers are 1/8 to 1 inch in diameter and produced in unbelievable profusion. Trade packet, (about 1000 seeds), \$1.50.

Snow Flake. Has flowers of the purest shimmering snow white. Stately stems like glistening jewels sharply highlighted by the lush green foliage. Trade packet (about 1,000 seeds), \$1.00.

Mixture. A mixture of giant varieties. Trade packet (about 1,000 seeds), \$1.00.

MALACOIDES VARIOUS SORTS Trade pkt

Dawkins Carmine Pink.	1,000 seeds	\$1.25
Princess Mary. Deep rose pink.	1/16 oz., \$2.00; 1,000 seeds	1.00
Salmon Rose.	1/16 oz., 2.00; 1,000 seeds	1.00

Stocks

Our Stocks are produced by the most careful growers and are equal to the best in the market.

Varieties preceded by star (★) are the most popular colors.

A leaflet on "Methods of Selecting Double Flowered Stocks in the Seedling Stage," by Prof. S. L. Emsweller, will be included in all orders for Column Stock seed.

"NON-BRANCHING" COLUMN STOCKS

These produce one enormous spike with large flowers, 2 to 2½ ft. high, and can be planted close together in the bench, which makes them a profitable type. Are in season with Bismarck variety.

American Beauty. Deep American Beauty Rose.

★**Apricot** (No. 20). Strong growing buff with a faint pink tinge and extra large flowered variety.

★**Blue.** Dark lilac blue.

★**Chamois Pink.** A warm rosy buff color.

Deep Apricot. Attractive new shade.

Gardenia. Flowers of the purest white. About 10 days later than White No. 16, also taller. Needs disbudding.

Gold Standard. Creamy ivory yellow.

Lilac Lavender. Same as Silvery Lilac.

★**Pink** (No. 11). Light rose-pink, exact shade of Bismarck Rose.

★**Rose Pink** (No. 14). A deep selection from No. 11; a rose-pink, not a deep heavy rose. Good market color. Long-stemmed, about ten days later than No. 11.

Purple.

Ruby (Illusion). Rich crimson red.

★**Silvery Lilac.** Lilac lavender.

★**Supreme.** Ball No. 22. Supremely fine in its rich silvery rose shading, with extra long stems and fine heavy spike.

★**Vaughan White No. 1.** We especially recommend this; in our judgment, the finest pure white Non-Branching Column Stock in existence.

White Improved No. 16. Semi-tall pure white.

★**Yellow Wonder.** Best yellow.

Special Florist Mixed. Mixture of the best selling colors.

Each of above: ½ tr. pkt., 60c; tr. pkt. (about 1200 seeds), \$1.00; ¼ oz., \$2.50; oz., \$9.00.

EARLY COLONIAL.

Blooms earlier than other branching types, grows 30 to 36 in. tall. The individual florets are 2 inches across and they form clusters or spikes 15 inches long. The percentage of double runs about 70%.

Mayflower. Red rose. **Puritan.** Pure white.

Priscilla. Silvery lavender. **Rose Standish.** Bright rose.

Each, trade pkt., 50c.

GIANTS OF CALIFORNIA

This magnificent group comes very early, having the branching habit of the Bismarck, with mammoth flowers on longer stems. When planted close they make one long spike of mammoth florets closely packed around the stem.

Blood-Red "The Red Woods" **Rose Carmine.** "Sequoia"

Blue "Pacific" **Rose "Yosemite"**

Chamois "Santa Barbara" **Velvety Violet "Mojave"**

Lavender "Tahoe" **White "Santa Maria"**

Pink "Monterey" **Yellow "Golden Gate"**

Each of the above, trade pkt., 35c; ⅛ oz., 70c; ¼ oz., \$1.25; oz., \$4.40.

Giants of California Mixed. Trade pkt., 35c; ⅛ oz., 65c; ¼ oz., \$1.20; oz., \$4.00.

IMPROVED GIANT BISMARCK (Early Giant Imperial)

One of the best Stocks, for both inside and outside planting. The plants grow in pyramidal form, about 2½ ft., are strong and robust and are covered with large double flowers. Plant close and take out center shoot as soon as safe to get more and longer side branches which that way produce more flowers.

Antique Copper. Fine copper red. **Buttercup.** Deep golden yellow. **Appleblossom.** Pale delicate pink.

★**Chamois** **Dark Blue** **Elk's Pride.** Royal purple.

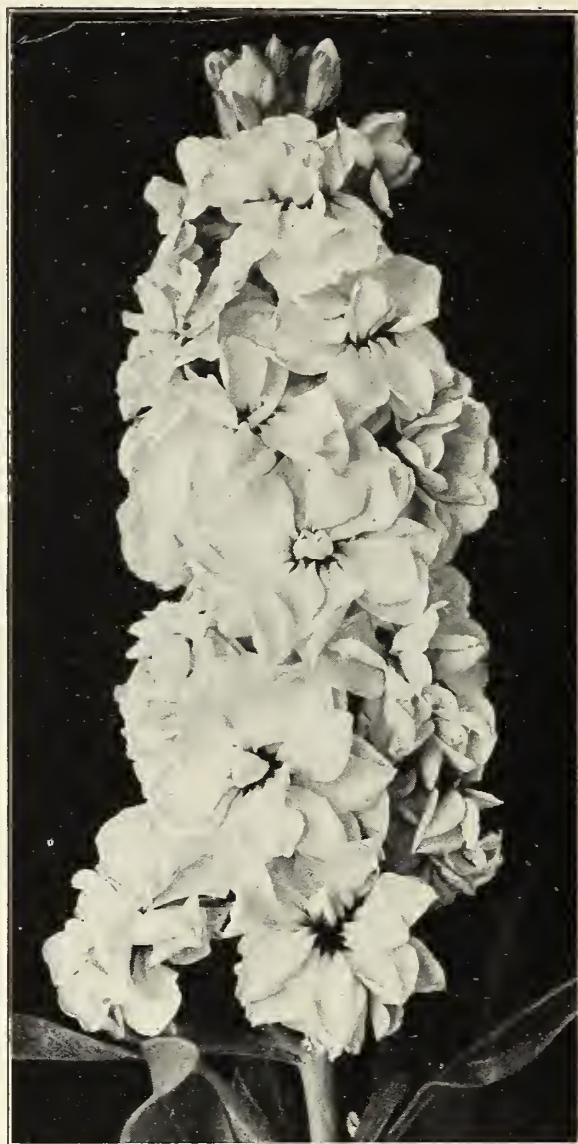
Flesh. Pale coral pink. **Fiery Blood-Red**

Golden Rose ★**Lavender** ★**Lilac** ★**Rose**

★**Shasta.** Vigorous, glistening white. Trade pkt. Oz.

Each of the above..... ⅛ oz., 65c; ¼ oz., \$1.10 \$0.35 \$3.40

Giant Bismarck, Mixed. All colors... ¼ oz., \$1.10 .35 3.40



STOCKS NON-BRANCHING COLUMN SILVERY LILAC

Salvia Splendens

Sow seed in flats and give bottom heat, as this helps germination of seed considerably.

America (Globe of Fire). A favorite with many grow- Trade pkt. Oz.
crs. Plants grow about 18 inches high, in uniform
dense globe-shaped bushes..... ¼ oz., \$1.35 \$0.50 \$4.50

Blaze of Fire. Orange scarlet. The earliest of all,
dwarf early flowering..... ¼ oz., \$2.00 .75 7.00

Harbinger. 16 in. Very early, scarlet... ¼ oz., \$1.40 .50 5.00

Clara Bedman (Bonfire). Erect habit—the old
standby..... ¼ oz., \$1.35 .50 4.50

Vaughan's Masterpiece. The finest dwarf extra
early flowering variety. Massive scarlet spikes;
even compact habit..... ⅛ oz., \$1.25; ¼ oz., \$2.25 .75 8.00

St. John's Fire. Blooms very early but remains in
perfect condition until frost. Grows only 10 inches
tall when in full bloom in August. The bright
scarlet spikes stand densely and rigidly upright on
the uniform and compact plants..... ⅛ oz., \$1.25; ¼ oz., \$2.25 .75 8.00

Zurich. Early, 2 ft..... ¼ oz., \$1.25 .50 4.40

Type (Scarlet Sage). 26 in..... ¼ oz., 1.00 .40 3.50

Sweet Peas Early-Flowering Spencer



Type of Our Sweet Peas, Early Flowering Spencer

By the use of the star-symbol (★) we have indicated the varieties which, according to our experience, have proved the most satisfactory in the various colors and classes.

Nitragin for inoculating Sweet Pea Seed, Garden Size Packet, 10c. Sweet Peas should be inoculated with Nitragin before planting.

Any of the following, except where noted otherwise, 1/2 oz., 30c; 1 oz., 50c; 1/4 lb., \$1.50; lb., \$5.50.

BLUE, LAVENDER AND PURPLE

- Amethyst. An early-flowering "Royal Purple." Fragrant.
- Ball Blue Supreme. Much larger flowered than Mrs. Hoover, a long stemmed heavy producer. 1/2 oz., 45c; 1 oz., 75c; 4 oz., \$2.25; lb., \$7.50.
- Blue Bird. Violet blue. Fragrant.
- ★Danube. Large, ruffled blooms of a clear lavender-blue.
- Fragrance. Large frilled lavender flowers, fragrant.
- ★Harmony. Most popular lavender, fragrant.
- Mariner. Clear marine blue.
- ★Mrs. Herbert Hoover. Clear blue. Fragrant.
- Princess Blue. Rich light blue.
- ★Triumph. Deep lilac mauve.
- ★Twilight. A medium clear lavender.

ORANGE

- ★Ball Orange Improved.
- Fiesta. Brilliant orange cerise, definitely sunproof.
- ★Treasure Island. A sparkling golden orange. Very large flowered and semi-duplexed.

WHITE AND CREAM

- Ball White. Large flowered, long stemmed, pure white.
- Cascade. Very large flowered white, white-seeded.
- Gardenia. Fragrant velvety white flowers, ruffled and duplexed.
- ★Hope. A mammoth-flowered black-seeded pure white.
- Oriental. Deep cream.
- ★Snow Queen. Pure white, black-seeded. Sow to follow "mums."
- ★White Champion. Best early-flowering white-seeded white.
- ★White Harmony. A standard black-seeded white.

PINK, ROSE AND SALMON

- American Beauty. A rich crimson rose on white ground.
- ★Apollo. A soft salmon-cerise. Fine spring bloomer.
- ★Ball Rose Improved. Extra rich deep rose.
- Ball Rose Supreme. Large wavy flowers of bright silvery rose pink.
- Ball Rose Queen. Extra long stemmed and large flowered clear rose pink.
- ★Bridesmaid. Deep silvery pink with stems unusually long.
- ★Boon. Deep salmon-pink on light cream ground.
- ★Daphne. A soft salmon-pink on a cream ground.
- Giant Rose Pink. Fragrant.
- Josie. Brilliant rose-pink, vigorous, large flowers; long stems.
- ★Laddie Improved. An enormous rose-pink. Fragrant.
- ★Mrs. R. H. Holscher. Rose-pink.
- New Ball Rose. Bright glowing rose. Very free flowering, but shorter vines make it valuable where headroom is limited 1/2 oz., 45c; oz., 75c; 1/4 lb., \$2.25; lb., \$7.50.
- ★Sequoia. A rich golden salmon-cerise pea.
- Shirley Temple. Soft rose pink.

SCARLET AND MAROON

- Bacchus. Mammoth flowered duplex. Rich red maroon.
- Grenadier. A glowing poppy-scarlet.
- Pride. Pure cerise large flowers on long stems.
- Vaughan's Special Formula Mixture, Early Flowering Spencers from named sorts. 1/2 oz., 25c; oz., 45c; 1/4 lb., \$1.35; lb., \$5.00.

Spring-Flowering Intermediate

Intermediate in season between Early and Standard Spencers this new type of Sweet Pea, possessing the characteristic of heat resistance, maintains remarkable vigor, length of stems, size of flower and productivity throughout the growing season, both under glass and out of doors.

Seed of the spring-flowering type should be sown from the middle or end of Oct. to Feb. in the greenhouse for flowering in spring and summer or outside just before ground freezes up.

- Black Seeded White Improved. Outstanding pure white frilled flower.
 - Blue. Clear medium blue.
 - Clear Pink.
 - Lavender.
 - Light Blue. Silver blue.
 - Light Carmine. Deep rose cerise.
 - Light Lavender. Rich clear lavender.
 - Mauve.
 - Rose-Pink.
- Each of above... 1/2 oz., 35c; oz., 65c; 1/4 lb., \$2.00; lb., \$6.50.
Mixed All Colors. 1/2 oz., 30c; oz., 55c; 1/4 lb., \$1.65; lb., \$5.50.

Schizanthus

Use Schizanthus flowers in corsages. They are long lasting and make up very attractively.

- Vaughan's Dwarf Masterpiece. The plants grow Trade plet. Oz. dwarf and compact, making them most suitable for pot culture. The color range of the flowers, which are of good size, is the most varied, well balanced from light pink and rose, to a very pleasing dark violet, all with conspicuous blotches. 1/16 oz., \$1.00; 1/8 oz., \$1.65 \$0.50
- Vaughan's Excelsior Hybrids. A choice strain with very large flowers in an excellent blend of colors. A splendid cut flower item. 1/8 oz., \$1.10 .50
- Monarch Strain. Finest strain of large flowered hybrids, rich colors and flowers of perfect form. 1/8 oz., \$1.25 .50
- Dr. Badger's Hybrids. Splendid large flowers with brilliant coloring, compact grower 8 to 10 in tall. 1/4 oz., \$1.10 .35
- Bridal Veil. Pure white, excellent. 1/8 oz., \$1.20 .75
- Pansy-flowered. The large pansy-flowered blooms are remarkably substantial, while the rich self-colors in all shades of pink, crimson, mauve and purple, as well as white are extremely bright and attractive. 1/8 oz., \$1.00 .35



VERBENA Gigantea Beauty of Oxford Hybrids

VERBENA

Gigantea Beauty of Oxford Hybrids. A beautiful giant hybrid raised from a cross between *Verbena Luminosa* and *Beauty of Oxford*. The color shades from clear rose-pink to rose-red, making this the brightest rose *Verbena* ever produced from seed.

- Alba.** Very large, pure white.
- Brilliant.** Rich deep flame rose with medium sized white eye.
- Cerise Queen.** Salmon cerise.
- Etna.** Geranium-red with a small creamy yellow eye.
- Floradale Beauty.** Beauty of Oxford type of large-flowered rose shades with salmon-rose predominating.
- Lavender Glory.** True lavender. Large flower umbels. Fragrant. About 80% true.
- Lucifer.** Scarlet.
- Luminosa.** Flame-pink toning to softer shades of salmon, flesh and coral.
- Rosea Stellata.** Pink, white eye.
- Royale.** Royal blue with creamy eye.
- Spectrum Red.** Intense pure bright red without eye. Brighter and larger than *Lucifer*.
- Sutton's Giant Pink.** Salmon pink.
- Violacea Stellata.** Violet, white eye.

Trade pkt. Oz.

Each of above..... 1/4 oz., 75c \$0.35 \$2.60

Royal Bouquet Mixed. This variety has an upright growth on straight stems, making it a good cut flower sort and a symmetrical bedding plant. The flowers are very large in many charming colors; 15-18 in. 1/4 oz., 85c .35 2.80

Hybrida. Defiance. Brilliant scarlet. 1/4 oz., 70c .35 2.40

Vaughan's Best Mixed. This is unquestionably the best strain of *Verbena* seed in existence. It is composed of the best strains, all grown separately, and mixed in the right proportion. Trade pkt., 35c; 1/4 oz., 75c; oz., \$2.60.

Trade pkt. Oz.

SHAMROCK. Sow early..... 1/4 oz., 35c \$0.20 \$1.20

STATICE Suworowii. Russian. Also known as "Rat Tail." Flowers bright rose color. Sow inside for winter blooming in a cool house. 1/4 oz., 40c .15 1.20

STEVIA Serrata. Fragrant, small white flowers freely produced in clusters. Fine to mix with other flowers. Easily grown indoors summer or winter.35

THUNBERGIA. Mixed. Fine climber for window boxes and hanging baskets. 1/4 oz., 45c .25 1.40

TORENIA Fournieri. Makes a fine pot plant for Mother's Day sales and very useful for combination baskets. Flowers blue with dark blotches on lip. 12 inch. Grown in southern states instead of pansies. 1/8 oz., \$1.10 .50

Viola

In most cases the true *Violas* are a better bedding subject than many *Pansies* as they seem to enjoy the heat of midsummer and bloom continuously.

- Cornuta. Arkwright Ruby.** Bright ruby with Trade pkt. Oz. central markings. 1/8 oz., \$1.50; 1/4 oz., \$2.60 \$0.50 \$8.00
- Avalanche.** Giant pure white.50
- Blue Beauty.** Bright blue, early, free flowering.50
- Blue Butterfly.** Mid-blue shading to white. 1/4 oz., \$1.20 .50 4.00
- Blue Perfection.** Light blue, large flowered. 8 in. 1/4 oz., \$1.35 .35 4.80
- Chantreyland.** Masses of beautiful flowers in rich apricot shade, tinted orange.50
- Chinese Blue** is a round-faced type of *Viola* such as *Jersey Gem*, *Chantreyland*, or *Blue Perfection*. *Chinese Blue*, according to the Royal Horticultural Chart, is *French Blue*. It is the nearest substitute to the famous *Viola Maggie Mott*. 1/8 oz., \$1.00 .50
- King Henry.** Rich violet blue lavender center with small yellow eye. 1/8 oz., \$1.00 .50
- Lutea Splendens.** Chrome yellow. 8 in. 1/4 oz., \$1.20 .50 4.00
- Papilio.** Blue and white, 6 in. 1/4 oz., \$1.25 .35
- W. H. Woodgate.** Violet-purple.75
- Yellow Gem.** Compact habit, clear yellow flower. 1/4 oz., \$1.20 .35
- White Perfection.** White large flowered. 8 in. 1/4 oz., \$1.35 .35 4.80
- Vaughan's Special Mixture.** The bright shades of self colors of red, yellow, blue and apricot, combined with many shades which are blotched, make these *Violas* a supreme mixture, 1/4 oz., \$1.40 .35 5.00
- Large Flowering Scotch.** This strain will have large flowers. The color range is from white through all intermediate shades to purple all with two tones effect without blotches.50

PRODUCING BETTER SEEDLING PLANTS

A new growing material to use in place of soil, called mineralite, promises to end many of our problems in germinating fine seeds. Mineralite is a form of mica and is made by roasting a special kind of mica ore until it expands or pops like popcorn.

After heating, the grains of mineralite are porous—a single particle less than 1/2" in diameter may have thousands of tiny holes. These pores trap so much air that it is practically impossible to drown out seeds grown in this material. At the same time, it holds many times its weight in water, so that when handled right, seeds don't dry out. These two things—plenty of air and plenty of moisture—are the most difficult parts of the growing operation to control.

Mineralite also controls damping-off. Because it is roasted at more than 2,000 degrees, the damping-off fungus as well as other forms of life that might cause trouble are destroyed. Also, all soluble chemicals are driven off, so that mineralite can't hurt growing plants.

By using mineralite with proper heat controls as a substitute for soil, and by watering as soon as the first true leaves appear with liquid fertilizers, the grower has complete control over every single thing that affects plant growth.

Several methods of using mineralite have been worked out. You can replace ordinary soil with mineralite in any method of growing that has worked well for you in the past. The only difference is that as soon as the first pair of true leaves can be seen, mineralite will have to be watered with a solution of liquid fertilizer to supply the food found in soil. We have found that Hy-Gro, a complete fertilizer which includes the minor elements, is effective when used with one level teaspoonful to a quart of water. Most annuals should be watered twice with this solution before setting out.

An effective way to use mineralite was developed by Dr. Neil Stuart of the Beltsville Experiment Station. An ordinary flat is lined with a tray made out of black paper (The ready-made tray made by the Bird Mfg. Co., fits a standard size flat). This tray is only one inch deep, so that no matter how much water is applied, the mineralite does not become saturated.

An ordinary clay flower pot is placed in the center of the flat on the black paper tray. Mineralite is then poured around this pot. After planting, water is poured in the flower pot until the surface of the mineralite looks slightly damp. (Usually, the pot should be filled four or five times.) In many cases it does not need further watering until after the seedlings are showing, since the tray forms a reservoir that keeps the whole flat moist for days.

In our own tests, we find that either straight mineralite used in place of soil, or 50-50 mineralite and soil will give better results than soil alone. The mixture is not quite as disease-free as straight mineralite, but there is much less trouble from damping off than in soil alone.

No special technic is needed to sow seed in mineralite. Broadcasting over the surface seems to be satisfactory even with seeds that we ordinarily think need to be covered. One of the surprising things about seedlings grown in straight mineralite is the enormous mass of hair roots produced. This usually comes free with a wad of the mineralite attached. Don't try to wash off or brush off this material or you may damage the roots. It is because of this mass of roots (which is usually left behind when seedlings are sown in soil) that mineralite-grown seedlings recover so quickly after transplanting. The correct size of mineralite particle is important.

Growing Cuttings in Mineralite

Mineralite is better than sand for rooting cuttings. It allows just as much air to get to the cutting as sand, yet holds so much moisture that it needs watering only about one-fifth as often. Because of closer moisture control, cuttings root quicker. More of the roots are saved because they come free with the cutting instead of remaining behind in the sand. Because of the high heat used in processing it, it does not contain fungi which cause damping off.

Prices—1/2 peck bag, 50c; per carton of 12, \$3.60; 1/2 bu. bag, \$1.75; per cas of 6, \$6.30; 1 bu. bag, \$2.25; 5 bags, \$10.00.

Greenhouse Plant Department

CALADIUMS—Vaughan's Special Fancy-Leaved

Choice dormant bulbs for January and February delivery. Large variety named sorts. This is one of the most decorative plants for greenhouse growing, window boxes or show plants. Rich, ornamental leaves, handsomer than Begonias; marbled, veined and striped with white, pink and dark red.

Our mixture of named sorts is probably the best to be had. We have graded them especially for good size bulbs of the finest varieties.



FANCY-LEAVED CALADIUM

We find an increasing demand for caladiums; pot plants sell readily from early spring until late summer.

	Doz.	100	1,000
Rainbow Mixed.....	\$2.50	\$15.00	\$140.00
Named Varieties. Our selection.....	2.50	17.00	150.00
Named. Your selection of varieties.....	2.75	19.00	160.00
Unusual and rare varieties. All named.....	3.00	20.00	170.00

AFRICAN VIOLETS

Saintpaulia

	100	1,000
Blue Boy. 2 inch.....	\$20.00	
The following variety sold under license agreements.		
Pink Beauty. A pink Sport of Blue Boy. (No shipments less than 100). 2 1/4 inch.....	25.00	

ASPARAGUS Plumosus Nanus or Sprengeri

	Per 100	Per 1,000
Seedlings.....	\$3.00	\$28.00
2-inch.....	8.00	75.00

AZALEAS

KURUME AZALEAS FOR GROWING ON

	Per 100	Per 1,000
Spring delivery, 1947, f.o.b. Apopka, Fla. Coral Bells, Hexe, Salmon Beauty, Hinodegiri, Snow, Pink Pearl, Lorraine, Orange Coral Bells.....		
Rooted Cuttings.....	\$ 50.00	
Transplants, Strong 3 to 5 branched plants.....	100.00	
Transplants, Heavy 5 to 10 branched plants.....	125.00	

LARGE SIZES KURUME AZALEAS FOR GROWING ON

	Per 100	Per 1,000
Spring delivery, 1947, f.o.b. Dayton, Ohio. Same varieties as above.....		
3 to 5 ins.....	\$20.00	
4 to 6 ins.....	30.00	
6 to 8 ins.....	50.00	
8 to 10 ins.....	75.00	

PERICAT AZALEAS FOR GROWING ON

	Per 100	Per 1,000
Spring delivery, 1947, f.o.b. Apopka, Fla. Sweetheart Supreme, Madam Pericat, Jersey Bell, Gardenia Supreme.....		
Rooted Cuttings.....	\$ 75.00	
Transplants.....	150.00	
3 to 5 ins., well shaped, f.o.b. Dayton, Ohio.....	\$30.00	
4 to 6 ins., well shaped, f.o.b. Dayton, Ohio.....	50.00	
6 to 8 ins., well shaped, f.o.b. Dayton, Ohio.....	75.00	

BELGIAN AZALEAS FOR GROWING ON

	Per 100	Per 1,000
Spring delivery, 1947, f.o.b. Apopka, Fla. Triomphe, Jean Haerens, Vervaeneana, Paul Schame, Eclairneur.....		
Rooted Cuttings.....	\$ 75.00	
Transplants.....	150.00	
3 to 5 ins., well shaped, f.o.b. Dayton, Ohio.....	\$30.00	
4 to 6 ins., well shaped, f.o.b. Dayton, Ohio.....	50.00	
6 to 8 ins., well shaped, f.o.b. Dayton, Ohio.....	75.00	

AVOID DISAPPOINTMENT

Place your orders now for plants required for next year. More and more customers are ordering months in advance, and our orders are now the heaviest in our experience.

AZALEAS BUDDED DORMANT STOCK

	Per 100	Per 1,000
Well grown, heavy budded plants for October delivery, 1946 Coral Bells, Hexe, Salmon Beauty, Snow, Pink Pearl.....		
4 to 6 ins.....	\$50.00	
6 to 7 ins.....	75.00	
7 to 8 ins.....	100.00	
8 to 10 ins.....	125.00	
10 to 12 ins.....	150.00	
12 to 14 ins.....	200.00	

BEDDING PLANTS FOR SPRING

AGERATUM. No RC orders less than 100			
Riverside Imp. Dwarf, large head of bloom. Rooted Cuttings.....	2.00	18.00	
Purple Beauty. Dwarf. Rooted Cuttings.....	2.00	18.00	
2 1/4" on all of the above.....	5.00	45.00	
LANTANAS. All the best colors 2 1/4".....	8.50	80.00	
VERBENA. Schlosser's Pride, Schlosser's Rose, Schlosser's Orchid, Scarlet King, Mayflower, Helen Wilmott, Lavender Glory, Royal Purple, White, Beauty of Oxford, cerise, Beauty of Oxford, pink, Beauty of Oxford, scarlet, Beauty of Oxford, lavender.....			
Rooted Cuttings.....	2.25	20.00	
2 1/4".....	5.50	50.00	
Coleus. Standard varieties, 2 1/4".....	6.00		
(500 at 1000 rate on all of above.)			

BEGONIA

Standard Varieties. 2 1/4-inch.....	10.00	95.00
Lady Mac and Marjorie Gibbs. 2 1/4-inch. Write for Prices.		

CALCEOLARIAS

Multiflora Nana, Ramona, and Perfect Model, Imp., 2 1/4-inch.....	16.00	150.00
Pink Beauty, Stewartii, Pure Flame, Cherry Queen and other hybrids.....	24.00	

CANNAS

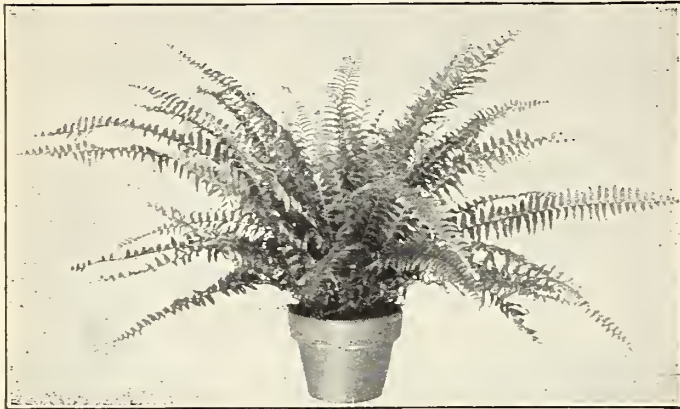
Dormant Roots ready for January 1st.		
King Humbert. 4 ft. scarlet flowers, bronze leaves, greatest favorite today.....	6.50	60.00
Yellow King Humbert. 4 ft. An orchid flowering sport of the well known variety King Humbert.....	6.50	60.00
The President. 4 ft. In color a rich glowing scarlet with immense rounded flowers 7" across when fully open, produced on strong, erect stems well above the large green foliage... ..	6.50	60.00
Hungaria. 3 1/2 ft. Very compact, almost dwarf, and of luxuriant growth. Leaves bluish green, never burn. Flowers LaFrance pink.....	6.50	60.00
City of Portland. 3 1/2 ft. Compact, luxuriant, dwarf growth. Leaves green. Flowers rosy pink.....	6.50	60.00
Eureka. 4 ft. Remarkably free-flowering variety, and with its striking white flowers which first appear cream, makes a very effective show in conjunction with a good scarlet such as King Humbert.....	11.00	100.00

CARNATION Virginia Dare

This is an extra large and very full-bodied sport of Virginia. Production, keeping quality, color and other characteristics, including non-splitting, identical with Virginia. Awarded Silver Medal at National Flower Show 1941; Special first prize at 1942 National Flower Show, and first prize at 1942 Northwest Flower Show.

Sold only under propagating agreement.
Price: \$20.00 per hundred; \$150.00 per thousand; 250 at 1000 rate.

Greenhouse Plant Department



BOSTON FERN

CARNATIONS

WHITE	Rooted Cuttings.	100	1,000
Northland.....		\$20.00	\$150.00
Arundel.....		12.00	100.00
Olivette.....		8.50	75.00
Puritan.....		7.00	60.00
LIGHT PINK			
Virginia Supreme.....		15.00	125.00
Hercules Virginia.....		15.00	125.00
MEDIUM PINK			
Virginia Rose.....		8.50	75.00
Peter Fisher.....		8.50	75.00
DEEP PINK			
Virginia Miller.....		15.00	125.00
D. P. Fisher.....		8.50	75.00
John Briry (Limit 500 per order.).....		8.50	75.00
SALMON PINK			
Charm (Patented).....		20.00	150.00
Salmon Virginia.....		12.00	100.00
SCARLET			
William Sim (Patented).....		20.00	150.00
#16 Red.....		15.00	125.00
Victory Red.....		12.00	100.00
CRIMSON			
Mrs. C. W. Weld.....		12.00	100.00
MISCELLANEOUS COLORS			
Miller's Yellow.....		12.00	100.00
Pelargonium (Limit 500 per order).....		12.00	100.00
Scarlet King (Limit 500 per order).....		12.00	100.00
Georgina (White variegated).....		12.00	100.00

MINIMUM ORDER 100 CUTTINGS OF ONE VARIETY
250 AT THE 1000 RATE

Sorry we can accept no orders specifying delivery date. All orders will be shipped in rotation, in the order in which they are received.

CINERARIAS

	100	1,000
Cremer's Prize Mixture and Siter's Strain. 2-inch.....	\$10.00	\$95.00

CYCLAMEN

Write for quotations on the sizes that you require.

DAISIES

Yellow, rooted cuttings.....	\$3.50	\$32.50
Michelson's White, rooted cuttings.....	3.50	32.50
2 1/4 in. size on both of above.....	8.50	.....

FERNS

Boston Ferns. 3 inches (Pot size).....	9.50	.....
Boston Ferns. 4 inches (Pot size).....	12.00	.....

FUCHSIAS

Write for quotations on Standard Varieties.

GERANIUMS

Lady Esther. A distinctive new seedling of great merit. It is a good grower, which blooms early and profusely. It propagates easily. Its foliage is well marked and the cream-colored main stem, leaf and flower stems make a striking contrast with the medium-dark red flowers, 2 1/4 inches.....	25	100	1000
Brooks Red, Olympic, Pink Fiat, 2 1/4 in.....	5.00	12.50	120.00
Red Fiat, Ricard, Wyona, Radio Red, Lorelei, Poitevine, Buchner. 2 1/4 in.....	3.50	11.00	105.00

(500 at 1000 rate.)

HYDRANGEAS

Pot Grown Hydrangeas—(5 in. Pots)

December delivery, 1946, Hamburg, Europa, Kuhnert, 25% Strafford.		
3-5 branched.....		\$.75 each
4-7 branched.....		1.00 each

Hydrangeas for forcing, spring 1947. Fall delivery, 1946. Don't be disappointed. Order now. All prices per 100.

Novelties.

"merritt's beauty," "helen merritt," Caprice, Daphne, Engel's White, Fortschritt, Norwood, Regula, Sonnengruss, Strafford.

3-in., \$40.00; 4-in., \$50.00; 5-in., \$60.00; 6-in., \$80.00; 7-in., \$125.00.

Recent Introductions.

Altona, Europa, Hamburg, Kuhnert, Merveille, Rosabelle.
3-in., \$25.00; 4-in., \$40.00; 5-in., \$50.00; 6-in., \$75.00; 7-in., \$85.00.

Excellent Kinds, Standard Varieties.

Ami Pasquier, Louis Savage, E. Moulliere, Gertrude Glahn, Goliath, M. Baardse, M. Foch, Niedersachsen.

3-in., \$18.00; 4-in., \$35.00; 5-in., \$45.00; 6-in., \$70.00; 8-in., \$85.00.

OUR SELECTION OF VARIETIES.

Billed according to varieties shipped.

Order rooted cuttings and 2-in. Hydrangeas now.

FOR SPRING DELIVERY, 1947.

PETUNIAS

	Per 100	Per 1,000
Colossal double, mixed shades, 2 1/4 in.....	\$15.00	\$140.00

POINSETTIAS

Stock Plants:		
Albert Ecke, Variegated Ruth Ecke, Ecke's White.....	.....	.....
Indianapolis Red.....	.....	.....
Mrs. Paul Ecke, Oak Leaf, Ruth Ecke, Star of Werder, Double Henriette Ecke, Barbara Ecke, St. Louis, Early White and Pink		
Write for prices. f.o.b. Chicago.		

On orders placed after January 1st, a 10% packing charge will be made.

PRIMULA

Primula Malacoides seedlings.....	4.00	37.50
Primula Malacoides 2 1/2 in.....	8.00	75.00
Primula Obconca 2 1/4 in.....	10.00	90.00

(500 at 1,000 rate.)

VINCA

Variegata, 2 1/4 in.....	10.00	95.00
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Prices are F.O.B. Shipping Point.

We assume no transportation risk after shipping in good order. Should goods arrive in bad order, we would suggest that they be accepted under protest, and complaint filed against carrier.

Soft plants are not shipped to distant points by freight.

Billing—50 of any one variety at the 100 rate; 250 at the 1000 rate except as noted.

Packing will be charged on all orders at cost.

No C. O. D. Shipments.

All foregoing prices subject to change without notice.

Hardy German Iris

Special Offer

New Giant Flowering Irises

5 each of Cheerio, Crystal Beauty, Happy Days, Indian Hills, Jean Cayeux, Red Dominion, Tiffany and Wm. Mohr, 40 Irises (value \$12.00) for \$10.00.

There is no comparison between these new beauties and the old obsolete varieties. Plant out a good collection and sell the flowers on Decoration Day and the rhizomes in July, Aug. and Sept. You will be surprised at the demand you will have for them.



WM. MOHR

"S" refers to the three standard or upright curling petals.

"F" refers to the three falls or drooping petals.

All prices are F.O.B. Western Springs, Ill., packing charges to be added to cost.

Alta California. 48 in. Superb flowers of deep golden yellow, faintly bronzed. An extra fine new yellow	Each	10	25
Angelus. 36 in. Mammoth flowers of bright pink blend with bluish flush on fall and golden haft. Fine form.	\$0.30	\$2.25	.....
Black Wings. 38 in. Large flowers of intense midnight blue overlaid with a frosty black luster.	.45	.....	.....
Blue Triumph. 42 in. Very large flowers of heavy substance, considered the best light blue Iris yet introduced.	.40	3.50	\$6.25
Buechly Giant. 40 in. Clear lavender-blue bicolor of perfect form and sensational size.	.30	2.50	.....
California Gold. 36 in. A super novelty with magnificent, large flowers of dazzling, deep golden yellow.	.35	3.00	6.25
Cheerio. 40 in. Considered the most brilliant of all red Irises. "S" tan flushed rose; "F" rich glowing red.	.35	3.00	6.25
China Maid. 48 in. An intriguing blend of pink, golden copper and soft lilac. Large flowers of fine form.	.75	6.50	.....
City of Lincoln. 40 in. Magnificent bicolor. Standards of bright yellow, falls rich, velvety red; golden edged.	1.00	9.00	.....
Claribel. 40 in. A giant flowered, snow-white plicata, feather-stitched in soft blue.	.35	3.00	6.25
Copper Lustre. 36 in. Huge flowers of a blend of glowing copper and gold with iridescent sheen.	.40	3.50	7.50
Coronation. 40 in. Profuse yellow bloomer of fine form.	.20	1.75	3.75
Crystal Beauty. 40 in. Large, perfectly shaped flowers of pure, snow-white on well-branched stalks.	.30	2.50	5.50
Daybreak. 40 in. A huge golden pink with slight undertones of copper.	4.50	.....	.....
Deep Velvet. 38 in. Very large, rich and stunning, deep blue-purple, almost black, with a red violet cast.	2.00	.....	.....
Depute Nombot. 50 in. "S" coppery-red, flushed bronze; "F" rich claret crimson. A magnificent Iris.	.35	3.00	6.25
Destiny. 38 in. A great dark toned Iris. "S" deep purple; "F" well shaped, bright, blackish purple, with rich golden beard.	.35	3.00	6.25
E. B. Williamson. 36 in. Rich, glowing coppery-red with a silky sheen. Very unusual and extra fine.	.50	4.00	7.50
Elmohr. 36 in. A hardy colossal seedling of Wm. Mohr. Color reddish mulberry with pinkish glow; of great brilliance.	3.00	.....	.....
Elsa Sass. 38 in. Ruffled lemon yellow, of good size and form.	.90	7.50	.....
Exclusive. 40 in. Perfect flowers of pure light blue overlaid with a silvery mist. Very beautiful.	.40	3.50	.....
Frieda Mohr. 42 in. A gigantic pink-toned Iris of perfect form and brilliant coloring. Fragrant.	.30	2.50	5.50
Garden Magic. 44 in. A late very dark velvety red—in great demand.	1.00	.....	.....
Golden Majesty. 42 in. A truly superb deep yellow iris. Large blooms of thick substance do not fade.	.75	6.00	.....
Golden Treasure. 38 in. Exquisite creamy-yellow with golden heart. Huge flowers; very floriferous.	.40	3.50	7.50
Great Lakes. 48 in. An exquisite blue. Ideally formed blooms with flaring falls and crisp petal texture.	1.25	.....	.....
Gudrun. 36 in. Enormous, well shaped flowers of lovely pure white, dusted with soft gold at the throat.	.40	3.50	7.50
Happy Days. 40 in. An immense clear yellow with flowers over 7 inches from top to bottom.	.35	3.00	6.25
Indian Chief. 40 in. "S" pinkish red; "F" glowing, velvety red. A prolific bloomer. Early.	.30	2.50	5.00
Indian Hills. 37 in. A stunning Iris of rich wine purple.	.40	3.00	6.25
Jasmania. 38 in. A big, soft and luminous yellow, with a faint bluish tinge in center of the falls.	.35	3.00	6.25
Jean Cayeux. 38 in. A beautiful blending of coffee brown with a golden glint. A masterpiece.	.35	3.00	6.25
Junaluska. 40 in. "S" rosy copper threaded with gold; "F" brilliant copper-red. Huge flowers of perfect form.	.40	3.00	.....
Maid of Astolat. 45 in. One of our finest plicatas. Large alabaster white daintily marked with clear blue.	.35	3.00	6.25
Marquita. 38 in. Large ivory yellow with falls heavily veined maroon.	.40	3.00	.....

Midwest Gem. 36 in. Immense ruffled flowers of luminous apricot, flushed pink. Very fragrant.	Each	10	25
Ming Yellow. 50 in. The perfect yellow Iris. Vigorous in growth, strong foliage and stout, well branched stems	1.10	10.00	.....
Missouri. 36 in. Clear vivid blue of sensational size.	.45	4.00	\$8.75
Morocco Rose. 38 in. "S" lustrous pale pink; "F" deep rosalyne pink, long and flaring. A beautiful creation.	1.25	.....	.....
Naranja. 40 in. Large yellow with orange-yellow falls.	.30	2.50	.....
Ormohr. 40 in. Extra-large blooms of soft gray lavender, veined violet with rosy glow. Hardy. Easy to grow.	.75	6.00	.....
Prairie Sunset. 37 in. A gorgeous blend of peach, apricot, rose, copper and gold, like a prairie sunset.	2.50	.....	.....
Pink Satin. 42 in. Large, finely shaped flowers of a very delicate, yet glistening pink.	.35	3.00	.....
Prospero. "S" pale lavender flushed with yellow at base; "F" deep red-purple with lighter shadings at margin.	.20	1.50	.....
Radiant. 33 in. Very free blooming Iris. Golden-brown standards and falls are a coppery red. Truly distinctive.	.75	6.00	.....
Rameses. 36 in. Pink and buff with a yellow glow at the center.	.30	2.50	5.00
Rebellion. 38 in. "S" coppery-rose; "F" glowing deep blood-red. A vividly colored Iris of good substance.	.35	3.00	.....
Red Brick. 31 in. Gigantic flowers of brick red on rather short stalks.	.35	3.00	.....
Red Dominion. 40 in. An outstanding variety of glowing ox-blood red.	.35	3.00	6.25
Royal Coach. 36 in. "S" chamois yellow, overlaid pink with faint cinnamon dottings; "F" semi-flaring, bright yellow, beautifully bordered and dotted brown.	.50	4.00	8.75
Sable. 40 in. Almost perfect black with a silky sheen. Excellent form, hardness, and intense color make it "tops" in its color class.	1.50	.....	.....
Snow Flurry. 40 in. Enormous, beautifully ruffled flowers of pure icy white, very faintly flushed blue.	2.50	.....	.....
Snowking. 40 in. Giant snow-white flowers. Vigorous.	.40	3.50	7.50
Spun Gold. 38 in. A magnificent Iris of gleaming, deep pure, velvety yellow. Dykes Medal 1944	4.50	.....	.....
The Black Douglas. 38 in. "S" dark violet; "F" blackish violet. A richly colored Iris of good form.	.35	3.00	6.25
The Red Douglas. 40 in. Sensational, new vibrant red-purple of colossal size, gorgeously rich in color. The experts agree it's one of finest of all Irises.	.90	7.50	.....
Tiffany. 36 in. Plicata of yellow gaily stitched in burnished rosy bronze. Hardy and free blooming.	.45	4.00	.....
Wabash. 39 in. Dykes Medal 1940. "S" snowy white; "F" deep hyacinth-violet. The experts agree it is one of the finest Irises ever introduced.	.75	6.00	.....
Winneshiek. 36 in. A velvety black bicolor.	.30	2.50	5.00
Wm. Mohr. 26 in. Basic color is pale lilac with "S" flushed darker. Beautifully veined manganese-violet. One of the most remarkable Iris ever raised.	.30	2.50	5.50

FALL BLOOMING IRIS

These varieties bloom in the Spring with the Early flowering varieties and have a habit of blooming again in the Autumn.

Each	10	25	
Autumn King. 30 in. A large blue-purple bicolor	\$0.25	\$2.00	\$3.75
Aleanor Roosevelt. 28 in. Deep velvety purple self	.30	2.50	5.00
Southland. 28 in. Clear chrome yellow of good size	.30	2.50	.....

VARIOUS IRIS

Cristata. Early. A dwarf creeping variety with large blue flowers. Fine for use in rock garden.	.25	2.00	4.35
Dorothea K. Williamson. A beautiful beardless Iris with large velvety flowers of vivid purple.	.25	2.00	.....
PUMILA Hybrida. Dwarf varieties that bloom two weeks in advance of the German Iris.			
Keepsake. 8 in. A new and daintier type of dwarf Iris. Clear radiant yellow with orange beard.	.35	3.00	.....
Spring Skies. 6 in. Lovely light blue, beautiful shade.	.25	2.00	4.35
Rose Mist. 10 in. Soft rose-pink.	.30	2.50	.....
VERSICOLOR. (Common American Water Flag) Showy violet-blue. Blooms for a long time.	.29	1.50	.....

SIBERIAN IRIS

The most hardy and elegant of all small flowered Irises. They grow on tall stems, have graceful, grass-like foliage, and are excellent for cutting, good established clumps having from 15 to 30 flower stalks.

Each	10	25	
Emperor. Large flowers of deep violet-blue.	\$0.25	\$2.00	\$3.75
Perry's Blue. A tall, beautiful variety, excellent for cutting. Large, well formed flowers of sky-blue	.20	1.50	3.00
Mixed Seedlings. Fine assortment	.20	1.20	2.50

Vaughan's Peonies

5 of a Kind at the 10 Rate—25 of a Kind at the 100 Rate

Prices are F. O. B. Western Springs, Ill., packing charges to be added at cost.

WE HAVE an exceptionally large stock of our own growing. Strictly true to name, all in strong divisions, with from 3 to 5 eyes each.

The figures preceding the varieties are the rating given to them by the American Peony Society.

Peonies in established plantings need to be fed each Spring. A top-dressing of a balanced plant food well worked in will do wonders, but it should be applied early.

WHITE AND LIGHT SORTS

	Each	10	100
9.2 A. B. Franklin. Very large compact blooms of bluish white much like Tourangelle. Upright strong grower; fragrant, late.	\$4.00	\$37.50	.....
8.8 Alsace Lorraine. Creamy white, center tinted Havana brown. Very beautiful form; late midseason. ....	.60	5.00	\$45.00
8.7 Avalanche. A magnificent flower that opens like a rose. Pure snow-white, with a few pencillings of carmine on the edge of the center petals. Delightfully fragrant; late midseason. A very good cut flower and cold storage variety. ....	.60	5.00	40.00
9.0 Baroness Schroeder. Immense flowers of great substance with high chalice-shaped center. Opens a delicate flesh-white, sometimes a soft baby-pink, changing to creamy white. One of our best cut flower varieties and an excellent keeper in storage. ....	.60	5.00	.....
8.1 Duchess de Nemours. Superb, cup-shaped, sulphur-white flowers with a greenish reflex that lights up the entire flower. Early, free bloomer; fragrant. Good commercial variety. ....	.50	4.00	37.50
9.3 Festiva Maxima. Popular large white, dotted carmine. Often 7 to 8 inches in diameter. Early. ....	.50	4.50	40.00
9.1 Frances Willard. Exquisite bluish-white, of good substance and a fine cut flower variety. ....	.75	6.00	.....
8.9 Jubilee. Extremely large flat flowers of ivory white. Petals long, narrow and loosely arranged. Early. ....	.50	4.00	.....
9.5 Kelway's Glorious. Fragrant glistening white petals slightly crinkled and curved inward. Late midseason.	2.50	.....	.....
8.3 La Rosiere. White with cream-white center. A peony of good habit. Semi-double; midseason. ....	.50	4.00	.....
9.4 LeCygne. A magnificent milk white flower with curving petals. Globular, of great size and free blooming. Early midseason.	2.50	.....	.....
7.9 Mad, de Verneville. Fragrant flowers, very full double, pure white, with center delicately tinted bluish. Early. ....	.50	4.00	35.00
7.8 Miss Salway. Compact globe shaped bloom of lilac white color. Strong growth and pleasing fragrance. Early midseason. ....	.50	4.00	35.00
9.5 Mrs. J. V. Edlund. Pure white of perfect form.	6.50	.....	.....
9.1 Myrtle Gentry. Immense flowers of wonderful substance. Rosy white tinted flesh and salmon; fragrant. Late midseason.	1.75	15.00	.....
8.8 Nymphaea. A large creamy white rose type flower with bright yellow stamens. It blooms profusely, is fragrant and has good long stems. Midseason. ....	.50	4.00	.....
8.6 Primevere. Sulphur-yellow. Bomb type; very fragrant; midseason. ....	.90	7.50	.....
9.2 Solange. Compact large thick petals which closely overlap. Color a deep cream tinged amber and salmon pink. Late. ....	.75	6.00	.....
9.4 Tourangelle. Pearly-white overlaid with delicate shades of salmon. Late. ....	.75	6.00	50.00

LIGHT AND DARK PINK AND ROSE

	Each	10	100
7.6 Edulis Superba. Usually blooms for Decoration Day. The flowers are a beautiful deep, vivid pink, with a silvery reflex, and are borne profusely on tall, strong stems. One of the best of all Peonies for cut flowers in its color and season; very fragrant.	\$0.50	\$4.00	\$35.00
8.9 Georgiana Shaylor. Large, flat, pale rose pink with a few flecks of crimson. A strong grower. Midseason. ....	.50	4.00	.....
9.1 Hansina Brand. Giant flowers of deep flesh-pink with a salmon reflex. Wonderful show flower.	4.50	40.00	.....
7.9 Mad, Ducl. The color and form of this variety are almost identical with those of the popular Mons Jules Elie, but the size of the bloom is smaller and there are more of them. A fine midseason variety for cutting. ....	.50	4.00	37.50
9.1 Martha Bullock. Immense cupped shape flowers of bright old-rose pink that are often 9 to 12 inches in diameter, on tall, stout stems. Very beautiful; fragrant; late. Good cut-flower variety. ....	.90	7.50	.....
9.2 Mons. Jules Elie. By many considered the most beautiful of all Peonies. Enormous full flowers, resembling a Chrysanthemum; color a glistening satiny pink, overlaid with a sheen of silver. Very fragrant; early. Good cold storage variety. ....	.75	6.00	50.00
9.3 Mrs. F. D. Roosevelt. Very beautiful new pink that rivals Tourangelle for being called "The World's Most Beautiful Peony"	4.50	42.50	.....



MONS. JULES ELIE



ORIENTAL PEONY

LIGHT AND DARK PINK AND ROSE—Continued

	Each	10	100
8.7 President Taft. See Reine Hortense.			
8.7 Reine Hortense (President Taft). One of the finest Peonies. A vigorous, strong grower, a profuse bloomer and an excellent cut-flower variety. The flowers are extremely large and in color are a uniform light pink, center flecked crimson. Midseason. This variety and Sarah Bernhardt are two pink Peones of highest quality for all purposes.	\$0.60	\$05.00	\$40.00
9.0 Sarah Bernhardt. One of the best pink Peonies in the world. Tall, vigorous grower and prolific bloomer. The color is a dark rose-pink, edged lighter pink; center flecked crimson. Fine cut flower and storage variety; late midseason. ....	.75	6.00	50.00
9.1 Souvenir de Louis Bigot. Large blooms of brilliant rose, turning salmon-pink. Midseason. ....	.75	6.00	.....
9.5 Therese. Immense, flat blooms of violet rose changing to lilac-white; early midseason. ....	.90	7.50	.....
9.3 Walter Faxon. Bright delicate rose pink flower. Free blooming; lasts well cut, Midseason. ....	.75	6.00	.....

RED AND CRIMSON

8.7 Auguste Dessert. Velvety crimson-carmine with silvery reflex. ....	.90	7.50	.....
8.4 Felix Crousse. Large globular blooms of rich, even brilliant, dazzling ruby-red; late midseason. Good cut flower and storage variety. ....	.60	5.00	45.00
8.2 Grover Cleveland. Large compact flowers of rich bright crimson on stiff stems. It has excellent foliage and is one of our most desirable reds. Late midseason. ....	.60	5.00	45.00
8.8 Karl Rosefield. Very large flower, globular, semi-rose type. Extremely vigorous grower; tall, early. ....	.75	6.00	50.00
9.0 Longfellow. Bright crimson. Semi-rose type; tall; late midseason. ....	.90	7.50	.....
7.5 Mareschal Vaillant (Grandiflora Rubra). Light red resembling the American Beauty Rose. Late. ....	.50	4.00	.....
8.8 Mons. Martin Cahuzac. Dark purple-garnet with black reflex.	1.50	.....	.....
8.6 Officinalis Rubra Plena. Old-fashioned early red usually in bloom by Decoration Day. ....	.90	7.50	.....
9.2 Philippe Rivoire. Perfectly formed flowers of very dark crimson; velvety sheen; fragrant; late.	1.75	15.00	.....
8.8 Richard Carvel. Large globular flowers of uniform bright crimson. Tall annual and profuse bloomer. Delicate fragrance. Excellent for cut-flowers; usually in bloom for Decoration day.	1.25	.....	.....

ORIENTAL FLOWERED PEONIES

	Each	10	100
9.2 Ama-No-Sode. Bright rose, shading lighter toward the edge of the petals; considered the best pink.	\$1.50	.....	.....
8.2 Gold Mine. Cup-shaped flowers of dark rose-pink with deep golden center. A strong grower and profuse bloomer. Midseason. ....	.50	\$4.00	\$30.00
8.6 Mikado. Guards velvety crimson, forming a cup enclosing crimson petaloids, edged and tipped gold. ....	.75	6.00	.....
9.0 Toro-No-Maki. Very large lilac-white with amber-yellow center. Spectacular and very beautiful.	2.25	.....	.....

TREE PEONIES—5 Inch Pot Plants

Lactea. Pure white, blotched carmine.	4.00	.....	.....
Reine Elizabeth. Very large, bright salmon-pink.	4.00	.....	.....
Souv. De Ducher. Large, globular blooms of bright reddish violet with silvery reflex.	4.00	.....	.....

UN-NAMED PEONIES—Divided Roots of from 3 to 5 Eyes

	Each	10	100
Double Pink.	\$0.50	\$3.50	\$30.00
Double Red. ....	.50	4.00	35.00
Double White. ....	.50	3.50	30.00



KOLWITZIA Amabilis (Beauty Bush)



VIBURNUM Opulus Sterile
(Old Fashioned Snowball)



FRENCH HYBRID LILAC

Ornamental and Flowering Shrubs

OUR shrubs are nursery-grown and are transplanted every two or three years. They are nice, shapely bushes with plenty of good fibrous roots, and are such plants as are in demand by the first class retail trade. They should not be compared to stock that is never moved from the cutting or seeding beds until sold.

Our Nursery is located at Western Springs, 15 miles west of Chicago on the C. B. & Q. R. R., two blocks south of 47th Street, on Wolf Road.

Visitors are invited to inspect our stock at any time. We have a choice lot of specimens such as are not usually seen. Our customers will be pleased with the class of stock we send them.

Shipping Directions: All stock is sold F. O. B. Western Springs. Packing charges to be added on all orders for shrubs, dormant roses, fruits, trees, evergreens, and vines, at cost. Always give full and explicit shipping directions, as our responsibility ends on delivery to the express or freight office in good condition. All trees, shrubs and plants shipped subject to customer assuming risk regarding their own State Nursery Inspection Regulations. Certificate furnished with each shipment.

Where personal selection of stock is made at our Nursery we charge according to its value.

Warning—Prices on all nursery stock subject to change without notice. 5 plants of one kind supplied at 10 rate, 30 plants of one kind supplied at 100 rate.

	Each	10	100
ACANTHOPANAX Pentaphyllum. 4 to 5 ft.....	\$0.70	\$ 6.00	\$50.00
ARONIA Brilliantissima. 3 to 4 ft.....	.65	5.50	45.00
BERBERIS (Barberry)			
Koreana (Korean Barberry). Beautiful new variety, growing 6 ft. tall. Good foliage, richly colored in autumn. Bright red berries which persist over the winter.			
4 to 5 ft.....	.90	7.50	.....
Thunbergi. 18 to 24 in.....	.50	4.00	37.50
Thunbergi Atropurpurea.			
18 to 24 in.....	.60	5.00	.....
CORNUS Alba Sibirica (Coral Dogwood). 3 to 4 ft..	.50	4.00	35.00
4 to 5 ft.....	.60	5.00	40.00
Amomum (Silky Dogwood). 4 to 5 ft.....	.60	5.00	40.00
5 to 6 ft.....	.70	5.50	45.00
Baileyi. 3 to 4 ft.....	.60	4.00	35.00
4 to 5 ft.....	.70	5.00	40.00
Paniculata. 5 to 6 ft.....	.70	5.50	50.00
4 to 5 ft.....	.60	5.00	40.00
Sanguinea (Bloodtwig Dogwood). 5 to 6 ft.....	.70	6.00	50.00
Stolonifera Flaviramea. (Goldentwig Dogwood).			
3 to 4 ft.....	.50	4.00	35.00
COTONEASTER Acutifolia. 2 to 3 ft.....	.60	5.00	40.00
3 to 4 ft.....	.70	6.00	50.00
CRATEAGUS. See page 28.			
CYDONIA Japonica (Flowering Quince).			
18 to 24 in.....	.50	4.50	.....
EUONYMUS Alatus (Burning Bush). 3 to 4 ft....	1.65	15.00	.....
4 to 5 ft.....	2.25	20.00	.....
Alatus Compacta. 18 to 24 in.....	1.00	9.00	.....
24 to 30 in.....	1.50	12.50	.....
2½ to 3 ft. Specimens.....	2.50	23.50	.....
3 to 3½ ft. Specimens, B. & B.....	3.50	.....	.....
Europaeus. (European Burning Bush).			
5 to 6 ft.....	1.00	8.50	.....
Radicans Vegetus. (Bigleaf Wintercreeper). A trailing evergreen vine with large leaves. Excellent as a ground-cover and for use with evergreens. Orange-scarlet berries in fall. 2-year. 12 to 15 in. ...	1.00	9.00	.....
15 to 18 in.....	1.25	11.50	.....
18 to 24 in.....	1.75	16.50	.....
FORSYTHIA Intermedia. 3 to 4 ft.....	.50	4.50	40.00
4 to 5 ft.....	.60	5.00	45.00
Intermedia Spectabilis.			
2 to 3 ft.....	.50	4.50	40.00
3 to 4 ft.....	.60	5.00	45.00

	Each	10	100
HAMAMELIS Virginica (Common Witch-Hazel). Each			
4 to 5 ft.....	\$1.35	\$12.50	.....
HYDRANGEA. Paniculata Grandiflora.			
18 to 24 in.....	.60	5.00	.....
KOLKWITZIA Amabilis. (Beauty Bush).			
2 to 3 ft.....	.70	6.50	\$60.00
3 to 4 ft.....	.90	7.50	.....
LIGUSTRUM Amurense. (Armoor Privet, North).			
2 to 3 ft., heavy cut-back.....	.....	3.00	27.50
Ibodium (Ibodium Privet). 2 to 3 ft.....	.....	3.00	27.50
Ibota Regelianum. (Regel's Privet). 18 to 24 in.	.50	4.00	30.00
2 to 3 ft.....	.60	5.00	40.00
LILAC, See Syringa.			
LONICERA (Bush Honeysuckle).			
Bella Albida. 5 to 6 ft.....	.60	5.00	40.00
Fragrantissima (Winter Honeysuckle). 2 to 3 ft.	.50	4.00	35.00
3 to 4 ft.....	.60	5.00	40.00
Korolkowi Zabeli (True Red Honeysuckle).			
3 to 4 ft.....	.60	5.00	.....
Morrowi. 3 to 4 ft.....	.50	4.00	35.00
Ruprechtiana. 3 to 4 ft.....	.50	4.00	35.00
4 to 5 ft.....	.60	5.00	40.00
Tatarica Rosea. 3 to 4 ft.....	.50	4.00	35.00
4 to 5 ft.....	.60	5.00	40.00
Tataria Rubra. 3 to 4 ft.....	.60	5.00	.....
4 to 5 ft.....	.65	6.00	50.00
PHILADELPHUS Mockorange.			
Coronarius. 3 to 4 ft.....	.50	4.00	35.00
4 to 5 ft.....	.55	4.50	40.00
5 to 6 ft.....	.60	5.00	45.00
Grandiflorus. 3 to 4 ft.....	.50	4.00	35.00
4 to 5 ft.....	.55	4.50	40.00
5 to 6 ft.....	.60	5.00	45.00
Virginal. 2 to 3 ft.....	.75	6.50	.....
3 to 4 ft.....	.90	7.50	.....
PHYSOCARPUS Monogynus (Dwarf Ninebark).			
2 to 3 ft.....	.50*	4.00	35.00
3 to 4 ft.....	.55	4.50	40.00
Opulifolius (Common Ninebark). 4 to 5 ft.....	.60	5.00	40.00
5 to 6 ft.....	.70	6.00	45.00
Opulifolius Aureus. (Goldenleaf Ninebark).			
4 to 5 ft.....	.60	5.00	40.00
5 to 6 ft.....	.70	6.00	45.00

Please Tell Us How to Ship. We Express Unless Otherwise Instructed.
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ORNAMENTAL SHRUBS—Continued.	Each	10	100
RHAMNUS Cathartica (Buckthorn). 3 to 4 ft.	\$0.50	\$4.00	\$30.00
4 to 5 ft.	.55	4.50	35.00
SPIRAEA Arguta. 2 to 3 ft.	.50	4.00	30.00
3 to 4 ft.	.60	4.50	35.00
Bumalda Anthony Waterer. 15 to 18 in.	.50	3.50	30.00
18 to 24 in.	.60	4.00	35.00
Bumalda Froebeli. 18 to 24 in.	.50	4.00	30.00
24 to 30 in.	.60	5.00	35.00
Thunbergi. 2 to 2½ ft.	.50	4.00	35.00
Van Houttei (Bridal Wreath). 2 to 3 ft.	.40	3.50	30.00
3 to 4 ft.	.50	4.00	35.00

SYMPHORICARPOS.

Racemosus. (Snowberry). 2 to 3 ft.	.40	3.00	25.00
3 to 4 ft.	.50	4.00	30.00
Vuigaris (Indian Currant). 2 to 3 ft.	.40	3.50	30.00

SYRINGA, Japonica, (Japanese Lilac). 3 to 4 ft.	.90	7.50	...
Persian Purple. 2 to 3 ft.	.55	4.50	40.00
3 to 4 ft.	.75	6.50	60.00
Vulgaris Purpurea (Common Purple Lilac). 2 to 3 ft.	.60	5.00	...
3 to 4 ft.	.70	6.00	...

NAMED FRENCH VARIETIES OF LILACS.

Belle de Nancy, Berryer, Charles Joly, Charles X, Marie LeGraye. 3 to 4 ft., bushy.	1.50	12.50	...
Berryer, Buffon, Charles Joly, Charles X, Pres. Loubet, Marie LeGraye. 4 to 5 ft., bushy.	2.00	17.50	...
Berryer. 5 to 6 ft., bushy	2.75	...	...
Edith Cavell, Lucie Baltet, Marechal Lannes, and Vestale. 3 to 4 ft., bushy	2.25	...	...
Lucie Baltet, Marechal Lannes, Pres. Poincare, Vestale, Miss Allen Willmott. 4 to 5 ft., bushy.	3.00	...	...

	Each	10	100
VIBURNUM Americanum. 2 to 3 ft.	\$0.50	\$4.50	...
3 to 4 ft.	.65	5.50	...
Dentatum. 4 to 5 ft.	.60	5.00	\$40.00
5 to 6 ft.	.75	6.00	...
Lantana. 3 to 4 ft.	.50	4.50	40.00
4 to 5 ft.	.75	6.00	50.00
5 to 6 ft.	.90	7.50	65.00
Lentago. 4 to 5 ft.	.60	5.00	...
5 to 6 ft.	.75	6.50	...
6 to 8 ft.	1.00	9.00	...
Opulus. 2 to 3 ft.	.40	3.50	30.00
3 to 4 ft.	.60	4.50	40.00
Opulus Sterile. 2 to 3 ft.	.60	5.00	40.00
3 to 4 ft.	.75	6.00	...

Hardy Vines

AMPELOPSIS Veitchii (Boston Ivy). The grandest hardy climbing vine that clings tightly to stone or brick. Good glossy green leaves, three-lobed. 2 year No. 1.	.50	4.50	40.00
CELASTRUS. Scandens (American Bittersweet). 2-year.	.50	4.00	35.00
3-year.	.60	5.00	...
HEDERA Helix Baltica or Gracilis (Hardy English Ivy). 3 in. pots.	.40	3.50	...
LONICERA Japonica Halliana (Hall's Honey-suckle). 2-year.	.40	3.00	...
WISTARIA. Multijuga Floribunda Rosea (Pink Japanese Wistaria). 2-year grafts.	1.00	9.00	...
Sinensis Purpurea (Purple Chinese Wistaria). 2-year grafts.	.75	6.50	...
Sinensis Alba. (White). 2-year grafts.	.75	6.00	...

Vaughan's Evergreens

Prices listed, unless otherwise noted, include balling and burlapping. All our Evergreens are two or more times transplanted. All prices subject to change without notice, F. O. B. Western Springs, Ill., packing additional at cost.

ABIES Concolor (White Fir). Dark green to blue foliage; a pyramidal tree of rapid growth.	Each	10
3 to 3½ ft.	\$ 6.50	\$ 62.50
3½ to 4 ft.	7.50	72.50
4 to 4½ ft.	9.50	90.00

JUNIPERUS Canadensis (Canadian Juniper). Of low-spreading, irregular form with foliage of blue-green.	Each	10
24 to 30 in.	2.50	22.50
2½ to 3 ft.	3.50	32.50

Chinensis Columnaris. (Blue Chinese Column Juniper.) Rapid Growing with sharp blue-green foliage.	Each	10
2½ to 3 ft.	3.75	35.00
3 to 3½ ft.	4.50	42.50
3½ to 4 ft.	5.00	47.50
4 to 4½ ft.	5.50	52.50
4½ to 5 ft.	6.00	57.50
5 to 5½ ft.	7.00	...
5½ to 6 ft.	8.00	...
6 to 7 ft.	9.00	...
7 to 8 ft.	12.50	...

Chinensis Ketelecri (Keteleer J.) Greenest in Winter with large berries. 3 to 3½ ft.	Each	10
3½ to 4 ft.	4.50	42.50
4 to 4½ ft.	5.50	52.50
4½ to 5 ft.	6.50	62.50
5 to 5½ ft.	7.50	72.50
5½ to 6 ft.	8.75	82.50
6 to 6½ ft.	10.00	95.00
6½ to 7 ft.	11.00	105.00
7 to 7½ ft.	12.50	120.00
7½ to 8 ft.	13.50	...

JUNIPERUS Chinensis Pfitzeriana (Pfitzer Juniper). One of the best of all Junipers. Broad bushy habit. Thick rich green foliage, giving feathery appearance.	Each	10
15 to 18 in. spread	2.00	18.50
18 to 24 in. spread	3.00	27.50
24 to 30 in. spread	4.35	40.00
2½ to 3 ft. spread	4.75	45.00
3 to 3½ ft. spread	5.75	55.00
3½ to 4 ft. spread	6.75	65.00
4 to 4½ ft. spread	8.50	80.00
4½ to 5 ft. spread	10.50	100.00
5 to 5½ ft. spread	12.00	115.00
5½ to 6 ft. spread	13.50	...
6 to 6½ ft. spread	15.00	...
7 to 8 ft. spread, specimens	20.00	...
8 to 9 ft. spread, specimens	22.50	...
9 to 10 ft. spread, specimens	25.00	...

Chinensis Pfitzeriana Upright (Upright Pfitzer Juniper). These have been staked to give more height.	Each	10
2½ to 3 ft.	6.50	60.00
3 to 3½ ft.	8.00	75.00
3½ to 4 ft.	9.00	...
4 to 4½ ft.	10.00	...



JUNIPERUS Chinensis Pfitzeriana (Pfitzer Juniper) Best of All Evergreens

JUNIPERUS Chinensis Pfitzeriana Compacta. A dense blue-green variety.	Each	10
2 to 2½ ft. spread	\$5.75	\$52.50
2½ to 3 ft. spread	6.75	62.50
3 to 3½ ft. spread	8.50	80.00

JUNIPERUS Chinensis Procumbens (Creeping Chinese Juniper). A hardy bluish green creeper with sharp foliage.	Each	10
3½ to 4 ft.	4.50	42.50
4 to 4½ ft.	5.25	...

Communis Hibernica (Irish Juniper). A dense columnar green juniper. 3½ to 4 ft.	Each	10
4½ to 5 ft.	4.00	37.50
5 to 6 ft.	5.00	47.50

Horizontalis Plumosa (Andorra Juniper). Of low spreading, irregular form with bright-green foliage, reddish-purple in fall. 18 to 24 in. spread.	Each	10
4 to 4½ ft. spread, specimens	3.25	30.00
4½ to 5 ft. spread, specimens	8.00	75.00

Sabina (Savin Juniper). A dwarf; semi-erect and spreading. 18 to 24 in.	Each	10
2 to 2½ ft.	2.50	23.00
2½ to 3 ft.	3.00	27.50
3 to 3½ ft.	3.50	33.50

Sabina Horizontalis. Low trailing variety with light green foliage; often used on terraces. 3½ to 4 ft. spread.	Each	10
4 to 4½ ft.	4.75	45.00
4½ to 5 ft.	5.50	52.50

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Ornamental and Shade Trees



MALUS Betchel's (Double-Flowering Crab)

All our trees are nursery grown and are one or more times transplanted. All prices are subject to change without notice and are F.O.B. Nursery, Western Springs, Illinois.

	Each	10	100
ACER Dasy carpum (Silver Maple).			
8 to 10 ft., 1 to 1 1/4 in. caliper	\$ 2.00	\$ 17.50	
8 to 10 ft., 1 1/4 to 1 1/2 in. caliper	2.75	25.00	
10 to 12 ft., 1 1/2 to 1 3/4 in. caliper	3.25	30.00	
10 to 12 ft., 1 3/4 to 2 in. caliper	3.75	35.00	
Platanoides (Norway Maple).			
8 to 10 ft., 1 to 1 1/4 in. caliper	3.00	27.50	
8 to 10 ft., 1 1/4 to 1 1/2 in. caliper	4.25	40.00	
8 to 10 ft., 1 1/2 to 1 3/4 in. caliper	5.00	47.50	
10 to 12 ft., 1 3/4 to 2 in. caliper	5.50	52.50	
Platanoides Columnare (Columnar Norway Maple). 8 to 9 ft.	3.75	35.00	
8 to 10 ft. branched	4.25	40.00	
8 to 10 ft., 1 1/4 to 1 1/2 in. caliper	6.00	55.00	
Platanoides Schwedleri (Schwedler Maple).			
8 to 10 ft.	3.25	30.00	
12 to 14 ft., 2 1/2 to 2 3/4 in. caliper	10.00		
12 to 14 ft., 2 3/4 to 3 in. caliper	11.50		
14 to 16 ft., 3 to 3 1/4 in. caliper	13.00		
CORNUS Florida Rubra			
3 to 4 ft. B. & B.	4.50		
Florida. 3 to 4 ft. B. & B.	3.00		
CRATAEGUS (Hawthorn).			
Carrieri. 3 to 4 ft.	1.50	14.00	
4 to 5 ft.	2.25	20.00	
5 to 6 ft.	2.75	25.00	
6 to 8 ft.	3.50	32.50	
Coccinea (Thicket Hawthorn). 3 to 4 ft.	1.50	14.00	
4 to 5 ft.	2.25	20.00	
5 to 6 ft.	2.75	25.00	
6 to 7 ft.	3.50	32.50	
Cordata.			
8 to 10 ft., specimens, B. & B., 1 1/2 to 2 in. caliper	12.50		
10 to 12 ft., specimens, B. & B., 2 to 2 1/2 in. caliper	15.00		
Crusgalli. 3 to 4 ft.	1.50	14.00	
4 to 5 ft.	2.25	20.00	
5 to 6 ft.	2.75	25.00	
6 to 8 ft.	3.50	32.50	
8 to 10 ft., 2 to 2 1/2 in. caliper. Specimens B. & B.	15.00		
Mollis. 4 to 5 ft.	2.25	20.00	
5 to 6 ft.	2.75	25.00	
6 to 8 ft.	3.50	32.50	
6 to 8 ft., 2 to 2 1/2 in. caliper. Specimens B. & B.	15.00		
Oxyacantha Splendens (Paul's Double Scarlet Hawthorn).			
6 to 7 ft. specimens, B. & B., 1 1/4 to 1 1/2 in. caliper	10.00		
FRAXINUS Americana (American White Ash).			
8 to 10 ft., 1 to 1 1/4 in. caliper	1.75	15.00	
8 to 10 ft., 1 1/4 to 1 1/2 in. caliper	2.25	20.00	
GINKGO, Biloba. 6 to 8 ft.	4.00	37.50	
8 to 10 ft., 1 to 1 1/4 in. caliper	5.25	50.00	
GLEDITSIA Triacanthos. (Honeylocust).			
8 to 10 ft., 1 to 1 1/4 in. caliper	1.75	15.00	
8 to 10 ft., 1 1/4 to 1 1/2 in. caliper	2.00	17.50	
10 to 12 ft., 1 1/2 to 1 3/4 in. caliper	2.50	22.50	
10 to 12 ft. 1 3/4 to 2 in. caliper	3.50	32.50	
Triacanthos Inermis (Thornless Honeylocust). 8 to 10 ft., 1 to 1 1/4 in. caliper	2.00	17.50	
8 to 10 ft., 1 1/4 to 1 1/2 in. caliper	2.75	25.00	
8 to 10 ft., 1 1/2 to 1 3/4 in. caliper	3.00	27.50	
8 to 10 ft., 1 3/4 to 2 in. caliper	4.00	37.50	
MALUS (Flowering Crab Apples).			
Eleyi, Floribunda. 5 to 6 ft., 1 1/4 to 1 1/2 in. caliper	3.75	35.00	
Atrosanguinea, Coronaria, Eleyi, Floribunda. 6 to 7 ft., 1 1/2 to 1 3/4 in. caliper	4.50	40.00	

	Each	10	100
MALUS—Continued			
Atrosanguinea, Floribunda. 6 to 7 ft., 1 3/4 to 2 in. caliper	\$ 5.50	\$50.00	
Atrosanguinea, Eleyi, Floribunda. 6 to 8 ft., 1 3/4 to 2 in. caliper, specimens, B. & B.	10.00		
Atrosanguinea, Floribunda. 2 to 2 1/2 in. caliper, specimens, B. & B.	15.00		
Ioensis Bechteli (Bechtel's Dbl. Flowering Crab).			
4 to 5 ft.	2.00	17.50	
5 to 6 ft.	3.50	32.50	
7 to 8 ft., 1 1/2 to 1 3/4 in. caliper B. & B.	10.00		
7 to 8 ft., 1 3/4 to 2 in. caliper B. & B.	12.50		
Sargenti. 4 to 5 ft. bush form	2.75	25.00	
5 to 6 ft., bush form	3.75	35.00	
POPULUS.			
Nigra Italica (Lombardy Poplar). A valuable tree for landscape work and screens. Our trees are very fine, being branched from the ground.			
8 to 10 ft., 1 1/4 to 1 1/2 in. caliper	1.25	10.00	\$ 90.00
10 to 12 ft., 1 1/2 to 1 3/4 in. caliper	1.50	13.50	125.00
10 to 12 ft., 1 3/4 to 2 in. caliper	2.00	17.50	
PRUNUS.			
Americana. 4 to 5 ft.	.70	6.50	
5 to 6 ft.	1.00	9.00	
Newport (Purple-leaved).			
3 to 4 ft.	1.25	10.00	
4 to 5 ft.	1.50	12.50	
5 to 6 ft.	2.00		
SORBUS Aucuparia (European Mountain Ash).			
8 to 10 ft., 1 to 1 1/4 in. caliper	2.75	25.00	
TILIA.			
Americana (American Linden).			
8 to 10 ft., 1 to 1 1/4 in. caliper	2.50	22.50	
8 to 10 ft., 1 1/4 to 1 1/2 in. caliper	2.75	25.00	
Cordata (Littleleaf European Linden).			
6 to 8 ft.	2.50	22.50	
8 to 10 ft., 1 to 1 1/4 in. caliper	2.75	25.00	
8 to 10 ft., 1 1/4 to 1 1/2 in. caliper	3.00	27.50	
10 to 12 ft., 1 1/2 to 2 in. caliper	4.25	40.00	
10 to 12 ft., 2 to 2 1/4 in. caliper	5.00	47.50	
Platyphylas Pyramidalis (Pyramidal European Linden).			
8 to 10 ft., 1 to 1 1/4 in. caliper	3.00	27.50	
8 to 10 ft., sheared specimens, B. & B.	10.00		
8 to 10 ft., 1 1/2 to 1 3/4 in. caliper sheared specimens B. & B.	15.00		
8 to 10 ft., 2 to 2 1/4 in. sheared specimens B. & B.	17.50		
ULMUS (Elm). 4 varieties.			
Americana (American Elm); Amer. Molini (Amer. Moline Elm); Amer. Urni (Amer. Vase-Shaped Elm); Pumila (Chinese Elm).			
8 to 10 ft., 1 to 1 1/4 in. caliper	2.50	22.50	
8 to 10 ft., 1 1/4 to 1 1/2 in. caliper	3.00	27.50	
10 to 12 ft., 1 1/2 to 1 3/4 in. caliper	3.50	32.50	
10 to 12 ft., 1 3/4 to 2 in. caliper	3.75	35.00	
12 to 14 ft., 2 1/2 to 2 3/4 in. caliper	6.25	62.50	
14 to 16 ft., 2 3/4 to 3 in. caliper	8.00	75.00	
16 to 18 ft., 3 to 3 1/4 in. caliper	9.00	85.00	
16 to 18 ft., 3 1/4 to 3 1/2 in. caliper	10.00	95.00	
16 to 18 ft., 3 1/2 to 3 3/4 in. caliper	12.00		
16 to 18 ft., 3 3/4 to 4 in. caliper	14.00		

Write for prices on Elms in larger sizes.



AMERICAN ELM, VASE TYPE

Sprayers and Dusters

DOBBIN'S BIGHEAD SPRAYER

5 1/2 diameter opening. Easy to fill, drain and clean. Positive quick sealing device. Equipped with patented self-lubricating pressure seal valve plunger. More air per stroke. Brass shut-off with trigger quick spray lock. Universal nozzle, sprays at any angle. Will handle all spray solutions. 4 gallon capacity.

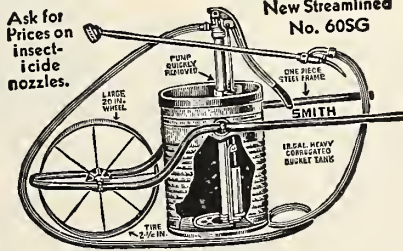


No. 44G Galvanized tank. Ea., \$7.75.



SMITH'S SPECIAL No. 24 G. O. COMPRESSED AIR SPRAYER

A durable low priced sprayer, has a funnel top, made of heavy steel, tank as illustrated. 3 1/2 gallon capacity. Price, Galvanized, \$6.25.



Ask for Prices on insecticide nozzles.

WHEELBARROW SPRAYER

Goes anywhere like a wheelbarrow through narrow openings. For spray solutions, disinfectants or whitewash. With extra long handle and large air chamber, develops from 150 to 200 lbs. pressure with minimum of effort. Made of best materials, all working parts of brass or bronze. Cart is strong, all steel and cross braced. Tank holds 18 gallons. Fully equipped with hose, nozzle fittings, steel extension, etc. Price, \$27.50. Shipping weight, 65 lbs.

Same as above. With air pressure tank, tested under pressure of 275 lbs., fitted with pressure gauge reading to 200 lbs. Price, \$43.50.

Greenhouse Wheelbarrow Sprayer. Similar to above, but with smaller pump. Width adapts it for greenhouse and nursery use. Handles all insecticides and fungicides. Price, complete, \$17.75.

Paragon Wheelbarrow Sprayer. Greenhouse and Nurserymen Sprayer. 12-gal. capacity on one or two wheelbarrow type truck. Complete with hose, rod and nozzles. Price, \$27.50.

HAYES JR. SPRAY GUN

All Purpose Sprayer. Makes 3 gals. of mixed spray material at a time. Sprays liquid and most wettable powders, up, down and sideways. Attach to your garden hose. Gives you the efficient performance of heavy, expensive equipment. Operates on water pressure from 30 to 75 lbs. No moving parts to wear out or break. Each, \$5.95; six for \$24.00.



Pneumatic Galvanized continuous one quart size with two nozzles for straight and under-leaf spraying. Each, \$1.65; dozen, \$13.20.



PNEUMATIC HAND SPRAYER

Pneumatic Tin Hand Sprayer. Same as above, each, \$1.35; dozen, \$11.00.

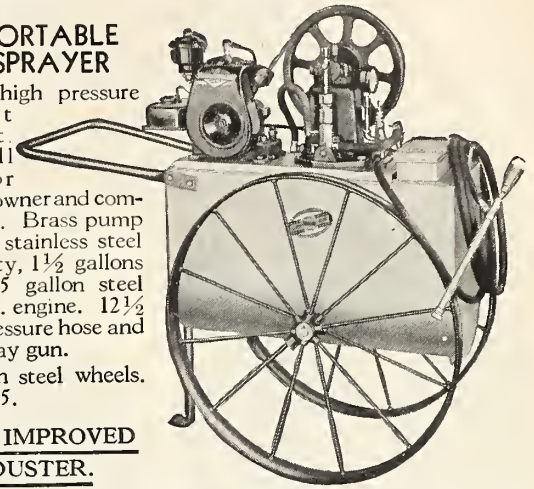
Tin Hand Sprayers. Full qt. size, retails at 60c; per doz., \$4.80.

ARNOLD VICTORY SPRAYER, price, each, 85c; doz., \$8.00. This sprayer will handle standard cartridges same as the Garden Hose Sprayer. Price of cartridges, 30c each; doz., \$2.80.



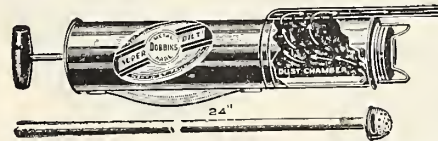
UTILITY PORTABLE POWER SPRAYER

A portable high pressure light weight spray outfit. Handles all spray jobs for the individual owner and commercial grower. Brass pump with hardened stainless steel valve. Capacity, 1 1/2 gallons per minute, 25 gallon steel tank, 1 1/2 H. P. engine. 12 1/2 feet of high pressure hose and adjustable spray gun. No. 3240 with steel wheels. Each \$140.25.



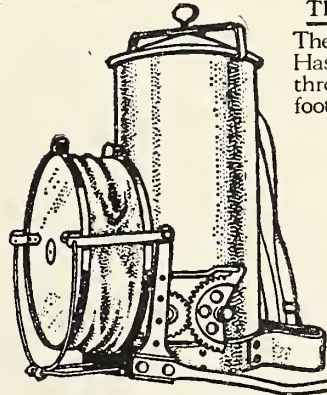
DOBBIN'S IMPROVED HAND DUSTER.

A uniform discharge down to the last particle of dust. For all garden and field crops. Self-lubricating pressure seal valve plunger. Capacity, 1 lb., equipped with two-way dust cap. No. 132 Duster, Each, \$1.45. 6 for \$7.20.



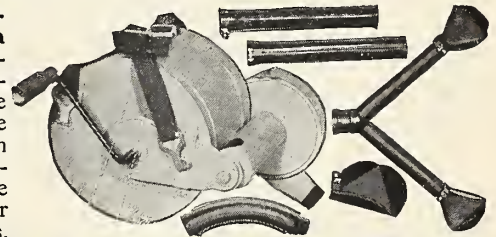
The American Beauty Duster.

The most powerful hand duster made. Has a large, powerful bellows that throws dust to the top of twenty-five foot trees. A man will average eight acres per day on trees. Dusts truck crops at an average walking speed, and dusts the under side of leaves. Has a spiral agitator that crushes and grinds the dust and feeds directly into the moving air blast; does not choke or clog. Has an efficient regulator for discharge control. It is considered the standard of efficiency by all authorities. Price, \$22.50. Write for leaflet on the American Beauty Dust Sprayer.



CHALLENGE DUST GUN No. C3.

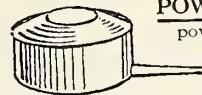
For Dusting Rotenone, Pyrethrum Dust, etc. Adjustable to all conditions. Made so the discharge nozzle may be swung from front to rear of operator and it can be raised or lowered for high or low plants. Operator can always work in upright comfortable position. Ea., \$19.80.



CYCLONE

FEENEY MODEL B DUSTER.

Each, 85c; six for \$4.80



JUMBO

POWDER GUNS.

The best dry powder gun for blowing powder on plants and insects. Cyclone, each, 25c; doz., \$2.10; Jumbo, each, 50c; doz., \$4.20.



New E-Z 5-Gal. Knapsack Sprayer.

Diaphragm type pump maintains high pressure until last drop of liquid is discharged. Very easy to operate. Tank holds 5 gallons. Equipped with 3 ft. hose, 2 ft. brass extension rod, automatic shut-off and adjustable nozzle. For all field crops, shrubs, etc. Galv. tank, \$21.45.

BLIZZARD COPPER CONTINUOUS SPRAYER.

Very durable, seamless brass pump, solid copper quart tank with adjustable nozzle for straight and underleaf spraying. Each, \$3.50; six for \$15.00.



Write for leaflet and prices on Hardie Greenhouse Special Power Sprayer.

New Chemical Marvels

Rid Garden of Weeds and Pests

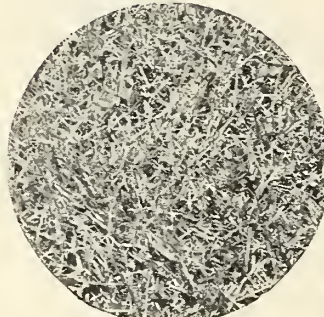


GIANT THISTLE IS THOROUGHLY SPRAYED WITH DANDYKILL

Dandykill Exterminates Lawn Weeds Leaving Blue Grass Unhurt



LAWN BEFORE SPRAYING



LAWN TWO WEEKS LATER



FOUR WEEKS LATER THISTLE IS DEAD TO THE ROOT TIPS

Dandykill is a form of the remarkable weed killer 2, 4D, which in our judgment is best suited for use by amateurs with ordinary spray equipment, because:

It is the most economical, a powder rather than liquid, which saves shipping weight, and completely soluble in water, making it easier to prepare and use, and to clean from your spray equipment after use.

The growth regulating chemical (hormone) 2, 4 dichlorophenoxyacetic acid, commonly known as 2,4D, is used in varying forms and strengths for horticultural purposes, and has been proved to act as a selective weed killer when sprayed in the proper strength on plants to be destroyed.

Extensive experiments made last summer established the fact that when used correctly, this chemical is harmless to blue grass and red top, which are usually combined in lawn mixtures, and also to fescues. It is not effective against crab grass and may injure bent grasses. It retards the growth of white clover and often kills it.

Tests made in many parts of the country have proved this chemical to be fatal to the following weeds found in lawns: Buttercup, chaerophyllum, chickweed, cinquefoil, cress, dandelion, dichondra, dock, fleabane, gill-over-the-ground, heal-all, henbit, knotweed, lespedeza, lippia, moneywort, mustard, onion, pennywort, pepper-grass, both broad and narrow leaf plantain, pussy-toes, shepherd's purse, speedwell, thistle, veronica and whitlow.

In general it may be said that it rids the average lawn of most weeds, without injuring blue grass, in fact many reports say that following its use blue grass improves in color and vigor.

Bent grass is not always injured but if sprayed when in full growth its leaves may be killed, though new growth in from two to four weeks is probable.

Dandykill: Ceiling prices, 2 ounces (will treat 800 square feet) retails 50c each, doz., \$3.60. 6 ounces (will treat 2,500 square feet) retails \$1.00 each, doz., \$7.20. 24 ounces (will treat 10,000 square feet) retails \$3.00 each, doz., \$21.60. 6 pounds (will treat 40,000 square feet) retails \$10.00 each, 6 for \$36.00.

Time To Apply—U. S. Government scientists recommend that weeds be sprayed when vigorous early growth is well established, dandelions just before they flower. When treated, they say, weeds die because their food reserves are used or burned up. Thick roots of dandelions become soft in three weeks, and under warm, moist conditions the whole plant, roots and all, disintegrates entirely in about two months.

Visible Effects on Weeds. Leaves curl up, then turn yellow, and finally die. First effects are apparent in from 24 hours to 6 days after spraying, and lawn weeds usually disappear in two to three weeks.

Danger in Use. Greatest care must be taken to prevent *Dandykill* spray from touching desirable plants, which may be killed or deformed as a result. Especially important is it that sprayer equipment be thoroughly cleaned after using for 2,4D, lest some trace remain to mix with other spray materials, and injure plants sprayed with it. Being soluble in water, *Dandykill* is more easily cleaned from spray equipment than are the forms of 2,4D which are dissolved in oil or wax. Nevertheless care must be taken to insure that no remnant of 2,4D remains in the form of liquid, or deposit on the walls, before the equipment is used for another purpose. Wash with soap suds and rinse with hot water several times.

Kills Weeds Not Found in Lawns. *Dandykill* is fatal to weeds not found in lawns including poison ivy, bindweed, sumac, sheep sorrel, thistle and many others.

How to Apply. It is best applied in a fine spray, at the strength recommended on the package, thoroughly wetting the plants to be destroyed. Directions for using it with a dry carrier are supplied with each package.

For suitable sprayers, see page 92.

Use Protexall for Most Insects and Diseases

A one-shot spray or dust that protects plants from most insects, fungi and bacteria. From a single package, this post-war formula enables you to apply to both food and ornamental plants in one all-inclusive operation the four most effective materials for combatting plant pests which war-time invention and world-wide tests have approved:

D. D. T., the marvelous insecticide developed by war experience which kills most garden insects, except some aphids, bean beetles, and red spiders.

Rotenone, most effective of the pre-war materials, non-poisonous to animals, but fatal to aphids, bean beetles, and all others which may be unharmed by D. D. T.

Fermate, greatest discovery in fungicides, hitherto unobtainable for gardens, harmless to all plants, and giving complete protection from many pests which resist other materials.

Sulphur, safest and most effective pre-war fungicide, which deals with most troubles which fermate does not.

With this one preparation the amateur gardener can be sure of applying the most effective modern remedy to every case of insect or disease injury which may threaten his garden, whether he grows flowers or food.

To give equal protection, with separate sprays or dusts, it would be necessary for him to keep in stock a contact insecticide, a stomach poison, and at least two remedies for fungi and bacteria. To use these separate materials effectively, he would be obliged to diagnose the trouble which was threatening his plants, and select the correct materials to deal with it, otherwise his effort might be in vain. Even experienced gardeners are often unable to diagnose garden trouble; sometimes there is doubt whether an injury is due to insects or disease. The need for a combined spray and dust has been felt for generations, and many attempts have been made to provide it. With pre-war materials it was difficult to find a

combination which would be fatal to all pests, yet harmless to all plants, which would combine without loss of effectiveness by any constituent and keep in combination without deterioration.

These difficulties have disappeared with the development of Fermate and D.D.T., which became known during the war, and will be made available for general garden use this year for the first time. These materials have such marvelous scope that their limitations are not yet fully known. D.D.T. controls most chewing insects, and many juice drinkers which defy pre-war materials, such as leaf hoppers and flea beetles, and European corn borer. It destroys with amazing effectiveness Japanese beetles, cabbage worms, most caterpillars and beetles, but not the Mexican bean beetle, and some plant aphids but not all. Rotenone, however, will exterminate those against which D.D.T. is ineffective.

Fermate has been chiefly used so far in greenhouse and garden experiments where it has proved harmless to the most delicate plants, and a reliable specific for black spot on roses, leaf spot on chrysanthemums, snapdragon rust, most scale insects, anthracnose of tomatoes and brown rot of cherries. If there are forms of fungi and bacteria which fermate will not touch, then sulphur is added to take care of them. Sulphur used in Protexall is in a form which will not injure any garden plant.

Protexall is prepared in two forms, one for use as a spray, and one for use as a dust. The proportion of each material used in Protexall is scientifically correct, in order to insure maximum effect. Protexall spray is a powder which mixes easily with water. Protexall Dust comes mixed with a spreader and is ready for instant use. It is necessary to order the form you prefer and have the equipment to use, since the spray material does not make an efficient dust, and the dust is prepared with an inert filler, and cannot be used as a spray.

Protexall Spray, 1 oz. package retails at 35c, price per carton of 24, \$5.04; 4 oz. package retails at \$1.00, per carton of 12, \$7.20; 5 lb. package, \$9.00. 1 oz. will make approximately 4 gallons of spraying solution.
Protexall Dust, 1 lb. package retails 75c, price per carton of 24 packages, \$18.00; 4 lb. package retails at \$2.00, per carton of 12, \$15.84; 50 lb. bags each, \$15.00.

New Greenhouse Insecticides

Sodium Selenite Makes Plants Poison Insects

Sodium selenite, which Dr. W. E. Blauvelt of Cornell University told a florists' meeting at Cornell University, "is out of the experimental stage," when applied to the soil in a greenhouse bench is absorbed by the plants, and makes them poisonous to insects.

Over 3,000 pounds have been used in 1945, sufficient to treat six million square feet of greenhouse bench area. One treatment of the soil is effective for three to six months.

Not all insects are affected. It works best with soft plants like chrysanthemums, carnations, gladioli, cyclamens, saintpaulias, etc., and has not been found entirely effective on woody plants. It kills red spider and aphid on chrysanthemums and carnations, cyclamen mites on chrysanthemums and saintpaulias, foliar nematodes and midge on chrysanthemums.

Complete instructions for use are sent with the material and must be followed closely. To emphasize the need for care in the use of this new material, we ask all purchasers to sign a release to us of all responsibility for any damage which may be caused. Two forms are available.

Pure Sodium Selenite is a granular powder, very concentrated: One pound treats 1,800 square feet of bench area. This material is completely water-soluble. 100 grams (makes 1 gallon) prepaid \$1.50; per lb., \$4.00. By express, charges collect.

P-40 is two per cent sodium selenite and ninety-eight per cent carrier (superphosphate in the present material). It is a dilute material. Three pounds treat only 100 square feet of bench area. 3 lbs., \$1.50 prepaid; 25 lbs., \$4.25; 50 lbs., \$8.00; 100 lbs., \$14.00, by express, charges collect.

AZOFUME 70 (AZOBENZINE)

The new fumigant for controlling Red Spiders on roses. Price per 5 lb. package, \$10.00; 10 lbs., \$17.50; 25 lbs., \$37.50; 50 lbs., \$62.50; 100 lbs., \$100.00.

Post-War Fungicide

FERMATE. This new fungicide which has been thoroughly tested gives remarkable control of plant diseases, with safety to all plants. Reliable specific for black spot on roses, leaf spot on chrysanthemums, snapdragon rust, anthracnose of tomatoes, and brown rot of cherries. Recommended for use against all fungi and mildews. 10 lbs., \$11.00; 25 lbs., \$25.00, shipped by express, charges collect.

D. D. T.—Yamtox

Use of DDT alone seems to have a tendency to increase the infestation of other insects that it does not control. This may be due to killing off desirable parasites, or freeing them from competition. DDT Yamtox contains the full complement of rotenone necessary for the control of red spiders and other mites, thrips and aphids. The incorporation of 5% DDT in it widens its range of use to the satisfactory control of tarnished plant bug and leaf rollers. Where the plants are easily damaged, or where it is desired to spray open flowers of mums, or to dip the entire plant, as in the case of cyclamen mite, Yamtox DDT sure fits the bill.

Yamtox is a concentration of the active principles of the Yam Bean (*Pachyrhizus erosus*). The Yam Bean affects many insects in much the same manner as Rotenone and seems to be the nearest approach to it. It has been used for centuries in the control of pests on vegetables in some parts of China. In Yamtox the toxic effects of the bean are extracted to make them as available as possible. They are further strengthened by chemicals of proven toxicity. Especially recommended for the control of Plant Lice, Red Spider, Thrip, Cyclamen Mite, Cabbage Worms, and most other insects that are controlled by Rotenone. It is very mild upon Plant Growth and safe to use even on most tender plants. Price per gallon, \$12.00; case of 6-1 gallon cans, \$11.00 per gallon; 30 gal. drum, \$270.00.

All Forms of D. D. T.

D. D. T. 40% WETTABLE DUST. For diluting in water for spraying, or mixing with tale to prepare dust of desired strength. One pound in 100 gallons of water makes effective garden spray leaving a heavy residual deposit on plants. Three pounds to 100 gallons of water makes effective and safe spray for cattle, horses, hogs and other farm animals, or residual spray for walls of barns, stables, hog or poultry houses and milk sheds. 8 oz., retails \$1.00 per doz., \$8.00; 1 lb. retails \$1.35, per doz., \$9.00; 5 lbs., \$4.00; 25 lbs., \$15.00.

D. D. T. 30% LIQUID SPRAY. D. D. T. in emulsion form has given results on some insects superior to those from wettable powders. This is safe to use on garden and greenhouse plants, also for spraying barns and other buildings to control flies. Eight ounces will make 25 gallons of garden spray. 8 oz., retails, \$1.50, price per doz., \$10.80; gals. each, \$12.50.

D. D. T. HOUSEHOLD SPRAY. An oil spray for lasting control of pests. For spraying or brushing on screens and porch walls, and general household use according to directions. Kills bedbugs, flies, mosquitoes, moths, ants, silverfish and many others. Do not use on plants or animals. Pints per doz., \$3.60; qts. per doz., \$4.80; gals. per carton of 4-1 gals., \$4.80.

D. D. T. 5% DUST. A ready-mixed garden dust of D. D. T. combined with a fine, light-weight filler, safe to use on all plants in gardens and greenhouses, also on livestock, dogs, pet animals (except cats) and poultry. Its extra strength assures maximum pest control. 1 lb. retails, 35c; per doz., \$2.80; per carton of 24, \$5.40. 25 lbs., \$3.25; 50 lbs., \$6.00.

D. D. T. AEROSOL BOMB. When released from the bomb in five to seven seconds, non-poisonous Freon gas impregnated with 3% D. D. T. and 2% pyrethrum, both deadly to insects, completely fills a room, killing insect life and leaving a deadly deposit which will protect from pests for weeks. Moths, mosquitoes, roaches, flies and other household pests are exterminated. Safe to use and harmless to clothing and furniture. One bomb will last the average household months. Aerosol bomb, contents 16 oz., retails, \$3.00; six for \$13.50; per carton of 12, \$24.00.



RED ARROW WALL AND SCREEN SPRAY. 5% D. D. T. This is residual spray. Can be sprayed or brushed on screens, fine mist can be applied to walls most anywhere. Kills mosquitoes, flies, bedbugs, etc. Ideal for use in kennels, poultry houses, camps, dairy barns, outdoor toilets, etc. One quart will cover approximately 250 sq. ft. Lasts for several weeks after applying. Quarts retail at 60c; packed 12 to carton—price per carton \$4.50. Gallons retail at \$1.95 each. Price per carton of 6, \$7.80. Write for price on larger containers.

Hormones

PLANT STIM. This is a complete Hormone, including necessary vitamins for treating of transplants of all kinds. Besides containing root forming Hormones and Vitamin B1 and other members of the Vitamin B1 complex which are important in plant growth, it has fungicidal value. Stimulates quick growth of transplants and prevents wilt. 3 oz. retails for 50c, per case of 24, \$7.20; price 1 lb., \$2.00; 5 lbs., \$7.50.



type of cuttings, and still is safe to use on the softer, more easily injured plants. Also contains a fungicide that checks fungi that rot cuttings. A small amount of dust will coat each cutting evenly, making a pound go further. $\frac{3}{4}$ oz. retails at 50c; per case of 24, \$7.20; 2 oz. retails at \$1.00; per case of 12, \$7.20; 1 lb., \$5.00.

SEED-LESS-SET HORMONE SPRAY

A new scientific development insures "set" of first tomato flowers which usually fall off during early spring; eliminates seeds; causes weeks earlier ripening; increases yield and size of fruit; pollinates self-sterile plants. 4 oz. size, each, 50c, carton of 24 bottles, \$7.20; 8 oz. retails at \$1.00, per case of 12, \$7.20; quart, \$3.00; gallon, \$9.00.

An improved rooting compound containing several different hormone-like chemicals in sufficient quantities to produce root stimulation in the hard

Insecticides and Fungicides

Add Postage According to Weight and Zone (See Order Blank).

In addition to the materials listed below we can supply any preparation on the market at the right price for your own use, or for resale. If you do not find the brand you wish listed, ask us for a price on the quantity desired. Attractive profits are earned by selling small-package insecticides at retail, for which sales most flower buyers are good prospects.

ACME BAIT-M with Metaldehyde. A double-action insect bait. To control cutworms, sow bugs, grasshoppers and earwigs. Ceiling prices 1 lb., 25c; doz., \$2.00; 2½ lb., 50c; doz., \$4.00.

ACME EMO-NIK. A combination spray of nicotine and summer oil emulsion for aphids scale, thrip, mealy bug, etc. Ceiling prices, 4½ oz., 35c; doz., \$2.52; pint, 65c; doz., \$5.20; gal., \$2.80.

ACME SCIENTIFIC ROSE SPRAY. For roses, flowers and shrubs of all kinds. Consists of three elements for controlling sucking and chewing insects, black spot and other fungus diseases. No. 3 kit will make 12 qts. Ceiling prices, each, 95c; doz., \$6.84. No. 6 kit will make 24 qts. Ceiling prices, each, \$1.50; six, \$5.40. No. 24 kit will make 96 qts. Ceiling prices, each, \$4.00; three for \$7.20.

ACME KOPPER QUEEN. A strong liquid copper spray for control of mildew, leaf rot and black spot on roses, flowers and plants. Ceiling prices, 8 oz., 35c; doz., \$2.40; qt., 75c; gal., \$2.00.

APHINE. Ceiling prices, pt., 75c; 1 qt., \$1.00; 1 gal., \$3.00.

ARASAN. Ceiling prices, 5 lbs., \$6.45; 25 lbs., \$30.00; 100 lbs., \$115.00.

ARSENATE OF LEAD. The standard spray or dust for quick, dependable control of practically all leaf-eating (not sucking) insects. Ceiling prices, 1-lb. carton, 30c; doz., \$2.80; case of 24, \$5.40; 4-lb. bag, 75c; 48 lbs., \$7.20; 100 lbs., \$14.00.

BEE BRAND INSECT REPELLENT. The odorless, greaseless and stainless liquid that acts like an invisible barrier to annoying flies, mosquitoes, gnats, chiggers, red bugs, deer flies, etc. Same formula that was used in the Pacific by the U. S. Armed Forces. Harmless to the skin when used as directed. Put up in attractive 2 oz. bottles—Retail 35c each. Packed 12 to display carton—Price per carton, \$2.52.

BLACK ARROW DUST. A non-poisonous pyrethrum dust, effective against many insects. Ceiling prices, 2 lbs., 50c; doz., \$4.20.

BORDEAUX MIXTURE. (Dry.) The best fungicide for curing and preventing black rot, mildew, blight, leaf curl, scab or other fungoid diseases on fruits and plants. One pound will make 5 gallons liquid. Ceiling prices, lb., 30c; doz., \$2.80; 4 lbs., 75c; case of 24 lbs., \$3.75.

CALCIUM ARSENATE. (Dry.) Ceiling prices, lb., 30c; 4 lbs., 70c.

CARBON DISULPHIDE. For ants and cut worms. Ceiling prices, 1 lb., 50c; doz., \$4.20.

COPPER SULPHATE. Crystals. Ceiling prices, 10 lbs., \$1.50; 25 lbs., \$3.50; 100 lbs., \$12.00.

CORROSIVE SUBLIMATE. Calomel, Calogreen, Calochlor, and other mercurials. Due to fluctuating market, write for prices.

CUPRINOL WOOD PRESERVATIVE. Stops rot around the greenhouse. One gallon covers and preserves approximately 400 sq. ft. of wood. Ceiling prices, per gallon, \$2.90; 5 gals. for \$14.00; 50 gal. drum, \$135.00.

CYANOGEN "A" GRADE. For moles, rats, gophers, and other rodents. Ceiling prices, 1 lb., doz., \$6.00; 5 lbs., each, \$3.00; 25 lbs., \$10.00; 100 lbs., \$25.00; 4-oz. tins for ants, doz., \$2.40.

CYANOGEN CALCIUM CYANIDE "G." Greenhouse fumigant. Aphids, white fly, thrips, soft scale, and mealy bug and control for crop-destroying rodents. Ceiling prices, 5 lbs., \$3.00; 25 lbs., \$10.00; 100 lbs., \$25.00. Write for leaflet; freight prepaid on 100-lb. lots.

D. N. SULPHUR DUST No. 10. A new and very effective control for red spider, thrips, and rust diseases on carnations. Ceiling prices, 10-lb. bag, \$3.50; case of 5 bags, 50 lbs., for \$12.50.

D. N. DUST No. 12. For control of red spider, mite and thrips on roses, calla lilies, snapdragons, gardenias and carnations. The active element in D.N. Dust No. 12 is a dinitro compound effective in all stages of mite development. Should be used before blooming period. Ceiling prices, per 10-lb. bag, \$4.50, case of 5 10-lb. bags, \$20.00.

DOWFUME G. New rapid setting soil fumigant. Especially toxic to Nematodes, eel worms, soil insects, millipedes, centipedes, pill bugs, etc. Permits replanting in 2 to 4 days. No waiting for root galls to decay. Permits one bench fumigation. Not injurious to nearby plants. Easily and economically applied. Water seal is only covering needed. 10 gal. drum, weight 113 lbs., ceiling price 25c per lb.; 55 gal. drum, weight 597 lbs., 20c per lb. 55 gal. drum charge \$5.00. Returnable for credit.

DOWSPRAY 17. A Dinitro Compound for use as a wet spray to control red mite and thrips. Helps produce better foliage. Protection for roses, carnations, calla lilies, azaleas, snapdragons, gardenias, hydrangeas, etc. Put up in ¾-lb. cans, 9 to a case. Ceiling prices, each, \$2.50; per case, \$20.25.

D.X. PYRETHRUM-ROTENONE DDT SPRAY. A concentrated plant spray containing Rotenone-Pyrethrum-DDT in an active glyceride base. Controls sucking and chewing insects. Price 1½ oz. packed 24 to case, \$4.80 per case; 8 oz. packed 24 to a case, price per case \$18.48; quarts packed 12 to case, per case \$31.80; gallon each, \$10.00; 5 gallons each, \$42.50.

DOWFUME G APPLICATORS. Highly satisfactory hand applicators. Adjustable for varied dosages. Will give years of service. Two types—No. 45-F, height 28 in., ceiling price, each, \$20.00; Type 45-AF, height 42 in., price \$20.00.

DRY LIME SULPHUR. For dormant spray use 12 to 15 lbs. to each 50 gals. of water. For summer spray, 3 to 4 lbs. to each 50 gals. of water. Ceiling prices, lb., 35c; doz., \$3.00; 5 lbs., \$1.50; 25 lbs., \$4.50; 100 lbs., \$11.50.

DX PYRETHRUM. Scientific Pyrethrum Spray. Ceiling Price: Per gallon, \$10.75.

FISH-OIL SOAP. Standard wash for trees and plants where insects and eggs affect bark. Ceiling prices, lb., 30c; doz., \$2.50; 7½ lbs., \$2.00.

FLOWERS OF SULPHUR. Dusting grade. Ceiling prices, lb., 15c; 10 lbs., \$1.00; 50 lbs., \$2.45; 2 bags for \$4.25.

FORMACIDE FORMALDEHYDE DUST. Control "damping off" of flower and vegetable seedlings. Ceiling prices, 1 lb., 85c; 5 lbs., \$2.50; 25 lbs., \$10.00; 50 lbs., \$17.50.

FUME TOBAC. Fumigating Powder. Ceiling prices, 25-lb. drum, \$5.00; 50-lb. drum, \$8.00; 100-lb. drum, \$15.00.

FUNGINE. New remedy for mildew, rust and other fungus diseases for greenhouse and outdoor use. Ceiling prices, pt., 60c; qt., \$1.00; gal., \$3.00.

GRAPE AND ROSE DUST. Excellent for the prevention and destruction of mildew on plants. Ceiling prices, lb., 35c; 5 lbs., \$1.25; 10 lbs., \$2.25; 25 lbs., \$4.50.

GRASSLI S. S. 3 COMBINED SPREADER AND STICKER. Designed especially for use with agricultural sprays. Ceiling prices, pt., 75c; gal., \$4.75.

KRYOCIDE D50 WITH SULPHUR. A combination insecticide and fungicide for chewing insects. Contains natural Cryolite. Retail at 50c per lb. Ceiling price per carton of 24 cans, \$7.20; 3 lb. bag retails for 85c; carton of 12 cans, \$6.60.

L 333. ROTENONE PLANT SPRAY. Ceiling prices, gal., \$10.75; 5 gals. for \$48.75.

LEMON OIL. Destroys mealy bug, scale, red spider. Ceiling prices, ½ pt., 35c; pt., 60c; qt., \$1.00; ½ gal., \$1.75; gal., \$3.00; 5 gals., \$12.00.

LIBERSOL. Pyrethrum Spray. Ceiling Price: Per gallon, \$11.00.

LORO. A new contact insecticide for controlling aphids, thrips, red spiders, etc. Ceiling prices, pt., \$2.00; gal., \$10.50; 5 gals., \$45.00.

METHYL BROMIDE. An ideal fumigant for many purposes. For seeds, bulbs and many greenhouse plants. Ceiling prices, per lb. can, \$1.15; 10-lb. cylinder, \$7.75. Write for price on larger cylinders.

NEW IMPROVED CERESAN. Ceiling Prices: 1-lb. can, 80c; 4 lbs., \$2.70; 25 lbs., \$15.00; 100 lbs., \$55.00.

NICO-FUME HOLDER. For 1-lb. size pressure fumigator. "Adaptor" is included for the ½-lb. size. Ceiling price, each, 85c.

NICO-FUME LIQUID. For fumigating or spraying; contains 40% nicotine. Ceiling prices, lb., \$2.45; 4 lbs., \$6.55; 8 lbs., \$11.25; 40 lbs., \$45.75.

NICO-FUME PRESSURE FUMIGATOR. Put up in ½-lb. and 1-lb. cans, powder is now burned under pressure, giving better control of insects. The cans have a sparkler for lighting the powder. Ceiling prices, ½-lb. cans, 45c; six for \$2.50; doz., \$4.45; 1-lb. cans, 75c; six for \$3.95; doz., \$7.40. Orders for 36 1-lb. cans or 60 ½-lb. cans, prepaid by freight in United States and many parts of Canada. Also on a combined shipment of both sizes in full case lots weighing a total of not less than 50 lbs.

NICO-ROTE. A combination of nicotine and rotenone. Kills by contact and fumes. Ceiling prices, qt., \$4.00; gal., \$12.00.

NO-PY-RO. The new synthetic insecticide for controlling aphids, mealy bug, green and white fly, etc. Ceiling prices, per quart, \$3.00; gal., \$10.00; 5 gals., \$45.00.

No. 10 REFINED ROSE SPECIAL. For roses and carnations. Kills high percentage of eggs, no discoloring of blooms. Ceiling prices, per gal., \$10.00; 5 gals., \$45.00.

INSECTICIDE—Continued

PARIS GREEN. For chewing insects on potatoes and certain other hardy plants. Kills quickest. Ceiling prices, 1/4-lb. carton, 20c; doz., \$1.80; 1 lb., 45c; 5 lbs., \$1.95; 14 lbs., \$4.75.

PENETROL. An activator for nicotine spraying solutions. Ceiling prices, qt., 75c; gal., \$1.75; 5 gals., \$6.75.

PINE TAR. For tree surgery. Ceiling prices, qt., 60c; gal., \$1.25.

POMO GREEN. Without nicotine. The new green fungicide for roses and other flowers and ornamentals; will control black spot, mildew and chewing insects. Ceiling Prices: Lb., 50c; doz., \$4.00; 5 lbs., \$1.75; 25 lbs., \$8.00.

POMO GREEN. With nicotine. Ceiling Prices: Lb., 75c; doz., \$6.00; 5 lbs., \$3.00.

PYRETHRUM POWDER. Ceiling Prices: Lb., 75c; 5 lbs., \$3.50; 10 lbs., \$6.25; 25 lbs., \$14.75. Write for price on larger quantities.

RESPIRATORS. For mild fumigating and dusting. Each, \$2.25.

SALP. An effective insecticide for destroying thrips, leaf rollers and other chewing insects. Use at a ratio of 2 lbs. Salp with 4 lbs. sugar to make 100 gallons of solution. Where a sticker is required, 5 lbs. of flour can be added to the 100 gallons. Ceiling Prices: 10-lb. container, \$3.20; 100-lb. container, \$21.00. Prices f.o.b. Elizabethport, N. J.

SULPHUR FOR SPRAYING. Magnetic spray. Wettable. Goes into suspension in water immediately like colloidal sulphur, at a lower cost. Ceiling Prices: 4 lbs., 50c; 6 for \$2.75; 100 lbs., \$8.00.

SEMESAN. The universal seed disinfectant and plant stimulant. Important for control of damping off of seedlings, Gladioli, and disinfection of seed bed soil. Ceiling Prices: 1/3 oz. pkg., doz., 80c; 2 oz., 40c; doz., \$3.20; 12 oz., \$2.00; 4 lbs., \$9.10; 25 lbs., \$52.50; 100 lbs., \$198.00. Write for leaflets, stating for what purpose desired. Write for leaflets on Semesan, Semesan Jr. and Semesan Bel.

SNAROL With Metaldehyde. An insecticide bait to combat snails, cut worms, sow bugs and grasshoppers. Ceiling Price: 1 lb. pkg., 25c; doz., \$2.00; 2 1/2 lb. pkg. 50c; doz., \$4.00; 10 lbs., \$1.35.

SPECIAL SEMESAN. Control for brown patch, dollar spot, etc. in bent lawns. Ceiling Prices: 6 lbs., \$9.35; 25 lbs., \$36.00; 100 lbs., \$135.00.

SPECIAL RED ARROW. A pyrethrum spray for controlling leaf rollers and leaf tyers especially. Per quart, \$4.35; gallon, \$14.50.

SPERGON SEED PROTECTANT. Ceiling Prices: 2 oz., 35c; 1 lb., \$2.25; 10 lbs., \$18.50; 100 lbs., \$153.00.

SPERGON WETTABLE GRADE. Ceiling Prices: 10 lb. drum, \$9.25; 50 lbs., \$43.75; 100 lbs., \$76.50.

SULPHATE OF IRON. A remedy for weeds on lawns, kills dandelions without injuring grass. Apply liquid with a fine spray. Particulars on application. Ceiling Prices: 5 lbs., 40c; doz., \$3.00; 10 lbs., 75c; 25 lbs., \$1.35; 100 lbs., \$3.50.

TARTAR EMETIC. A spray for the control of Thrip, a life saver for gladiolus growers. Ceiling Prices: 1 lb., 90c; 5 lbs., \$4.25; 25 lbs., \$18.75; 100 lbs., \$70.00.

THRIP JUICE No. 2. Destructive for mealy bug, scale, thrip, codlin moth, canker worm, beetles, caterpillars, etc. Ceiling Prices: Pt., 90c; qt., \$1.50; gal., \$5.50.

TOBACCO DUST (Regular Grade). Ceiling Prices: 10 lbs., 75c; 25 lbs., \$1.50; 100 lbs., \$4.25.

TOBACCO STEMS. Ceiling Prices: 100 lbs., \$2.50; 500 lbs., \$10.50.

TRIO-GEN. Fungicide, insecticide and plant stimulant. Ceiling Prices: A, small kit, makes 16 qts., \$1.50. B, medium kit, makes 64 qts., \$4.00. C, large kit, makes 32 gallons, \$6.00. D, estate kit, makes 128 gallons, \$20.00.

TRITON B-1956. An efficient emulsifier and spreader for insecticides and fungicides. Goes much further than ordinary spreader. Ceiling Price: Per gal., \$6.50.

VERMINE. For eel, cut worms and wire worms working in the soil. Can be applied to all vegetation. Ceiling Prices: 1/2 pt., 40c; pt., 75c; qt., \$1.10; gal., \$3.00.

VOLCK. The Scientific Insecticide for nursery, greenhouse and garden. Controls scale, insects, mealy bug, white flies, red spiders, rust mites, aphids and thrips. Ceiling Prices: Pint, 50c; gal., \$2.00; 5 gals., \$6.25; 28-gal. drum, \$25.00; 54-gal. drum, \$42.50.

WILSON'S O. K. PLANT SPRAY. A powerful yet harmless and efficient insecticide for aphids, red spider, mildew, scale, etc. Ceiling Prices: Qt., \$1.00; gal., \$3.00; 5 gals., \$12.00.



RABBIT REPELLENT. With safety to all including the rabbits. This 200 mesh fine snuff-like product is impregnated with rain resistant repelling "naturals" so that an application should last several weeks. 5 lb. package will treat 100 to 150 individual plants or 200 to 250 running feet of plant row. Ceiling price, per carton of 24 1-lb. pkgs., \$7.20. Retail for 45c, 5 lb. bag retails for \$1.75. Ceiling price per carton of 6, \$7.00.

Items You Can Sell

Following popular insecticides are priced in quantity for your use and also in small package assortments for re-sale. Items below ordered in less than quantity quoted will be billed at a higher rate.

D. D. T. ROTOTEC

A Rotenone Garden Spray. Contains full amount of Rotenone plus 5% D. D. T. necessary for good insect control. 4 oz. bottle retails at \$1.00, price per dozen \$7.20, pint bottle retails at \$2.75, price per dozen \$18.00.
McCORMICKS RED ARROW. Rotenone dust. 2 lb. pkg., 50c; carton of 12 pkgs., \$3.80.

ACME KOPPER KING. A scientific copper compound four times as strong as bordeaux mixture; will not cause bordeaux mixture injury on tomatoes. Ceiling Prices: lb., 45c; doz., \$3.66; case of 24 pkgs., \$7.08; 4-lb. bag, each, \$1.05; per case of 12 bags, \$8.88.

ACME VEGETABLE GARDEN AND FLOWER SPRAY. A combination spray for controlling sucking and chewing insects. Can be used as a dust or spray. Ceiling Prices: 1 lb. handy shaker top carton, price, 40c; doz. cartons, \$3.24; per case of 24 cartons, \$6.24; 4-lb. pkgs., per case of 12, \$9.00.

ACME RED RIVER POTATO MIX. A special formula for potatoes. Ceiling Prices: 1-lb. bags, doz., \$2.70; carton of 24 bags, \$5.16; 4-lb. bags, 75c; six for \$4.20; carton of 12 bags, \$7.66.

ANT KILLER. Ceiling Prices: Master 1/2-oz. bottles, doz., 75c; 2-oz., doz., \$2.00; 4-oz., doz., \$4.00.

APHIS SPRAY. A combination of Black Leaf 40 and Fish Oil Soap. Ceiling Prices: Per doz. 3-oz. tubes, \$2.70. Retail at 35c per tube.

BAIT-M WITH METALDEHYDE. A double action insect bait for control of Sow Bugs, Cutworms, Grasshopper, etc. 1 lb. package, 25 c, carton of 24, \$4.00; 2 1/2 lb. bags, 50c, carton of 12, \$4.00.

BLACK LEAF 40. Ceiling Prices: Oz. bottles, doz., \$2.78; carton of 24, \$5.56; 5-oz. bottles, doz., \$8.55; 1 lb., \$2.25 ea.; 2 lbs., \$3.25 ea.; 5 lbs., \$6.00 ea.; 10 lbs., \$11.00 ea.

DAWG-GONE. Protects evergreens from dogs. Ceiling Price: Per doz. tubes, \$2.00.

DOGZOFF. Keep dogs and other animals away from trees, shrubs, evergreens, etc. Ceiling Prices: Bottle, 60c; doz., \$4.80; gross, \$46.08.

G&O CROW REPELLENT. 1/2 pt. retails for 35c, packed 24 to a carton, price per carton \$5.60, pint retails at 55c, price per dozen, \$4.40.

NICOTINE PYROX. 20-oz. jars. Ceiling Prices: Doz., \$4.60; carton of 24, \$8.97; 5 lbs., \$1.50; case of 12, \$15.60; 25-lb. drum, \$6.50; 50-lb. drum, \$10.65.

PYROX. Combination insecticide and fungicide. Ceiling Prices: 25 lbs., \$5.75; 50 lbs., \$8.35.

RED ARROW GARDEN SPRAY ROTENONE. Ceiling Prices: 1-oz. bottles, carton of 24, \$5.40; 4-oz. bottles, doz., \$8.00; pint, \$2.50; qt., \$3.60; gal., \$11.50.

ROTOTEC SPECIAL DEAL. 24 1-oz. bottles and 2 4-oz. bottles, retails for \$10.40. Dealer's price, per deal, \$5.04.

SLUG SHOT, Hammond's. An insecticide for destroying chewing insects. Ceiling Prices: Doz. 1-lb. pkgs. for \$2.40; 5-lb. pkgs., 12 for \$9.60; 25-lb. bag, \$5.50; 50-lb. bag, \$11.00.

TREE TANGLEFOOT. Ceiling Prices: 6-oz., case of 24 cans, \$7.20; 1-lb. cans, per doz., \$7.60; per case of 24, \$14.40; 5-lb. can, \$2.95; case of 6, \$16.87; 10 lbs., \$5.50 each; case of 4 cans, \$21.00; 25 lbs., \$12.00 each.

WETTABLE DUSTING SULPHUR. Put up in attractive 2-lb. cans, which retail at 35c each. Ceiling Price: Per doz., \$2.50.

PROTEXALL SPRAY. A one shot spray protecting plants from most insects, fungi, and bacteria. Contains:
D.D.T. Which kills most garden insects except some aphids, bean beetles and red spiders.
Rotenone. Most effective of pre-war materials, fatal to aphids, bean beetles and red spiders.
Fermate. Greatest discovery in fungicides.
Sulphur. Safest and most effective pre-war fungicide.

Size	Makes	Number to case	Cost to you per case	Retail, each
1 oz.	3 gal.	36	\$ 7.56	\$ 0.35
4 oz.	12 gal.	24	14.40	1.00

PROTEXALL DUST. 1 lb. package retails for 75c, price per carton of 24 packages, \$10.80; 4 lb. package retails at \$2.00, per carton of 12, \$15.84.

Hormones

ROOTONE

PATENTS PENDING

treat 3,000 cuttings, \$1.00; doz., \$8.00; 1-lb. jar will treat up to 30,000 cuttings, \$5.00. Write for leaflet, all postpaid.



Rootone No. 10. For slow to root evergreen cuttings. 2 oz., each, \$2.00; 1 lb., each, \$10.00.

Transplantone For treatment of transplants of all kinds, it contains the root forming hormones, vitamin B-1 and other members of the vitamin B complex, which are important in plant growth. 1/2-oz. pkt., each, 25c; doz., \$2.00; 3 oz., \$1.00; doz., \$8.00; 1 lb., \$4.00.

Fruitone. The hormone spray for stopping pre-harvest drop of apples and other fruits. Also reduces droop of flowers and leaves. 2/5 oz. pkt. dozen, \$2.00, retails at 25c per pkt.; 2 oz. (makes 25 gal. spray); \$1.00; doz., \$8.00; 12 oz., \$5.00.

Write for price on larger quantities.

Hormodin Powder Combination package. No. 1, 2, 3, in one carton. Price 75c; doz., \$6.00.
 No. 1 Powder 1 3/4-oz. tin, each, 50c; lb., \$3.00.
 No. 2 Powder 1 3/4-oz. tin, each, 75c; 1 lb., \$4.50.
 No. 3 Powder 1-oz. tin, each, \$1.00; 1/2 lb., \$4.50.

GRAINO

Hormone seed treatment and rooting stimulant. Just dust on flower or vegetable seed or dip cuttings in powder. Treating seed makes better rooted plants. Increases yield, hastens rooting. Lb., \$2.97. 25c packets, 2 dozen in colorful display card, shipping weight 1 lb. 11 oz. Price \$3.60 per display, 20-in-One size package retails at \$1.00, 10 to carton, shipping weight 5 lbs. Price \$6.00 per carton.

BACTO

Make your own fertilizer easy, quick—often as little as three weeks. Just sprinkle Bacto on kitchen waste, leaves, garden rubbish, sewage sludge, etc. 5 lb. bag makes up to a ton of rich, soil-building organic humus, better than manure. Sprinkle in outdoor toilets, reduces odors, makes easily-handled ash of waste. Price 4 oz. cartons, retail at 35c each, per carton of 10, \$2.25; 5 lb. bags retail at \$1.65 each, \$1.15, 6 for \$6.00; 25 lb. bags retail at \$5.25, 3 for \$10.50.



Dusts and Pump Guns

ACME TOMATO DUST PUMP GUN. Contains basic copper arsenate. The latest improvement in the insecticide field containing a safe arsenical for controlling the tomato worm and the tomato fruit worm as well as the early and late blight and other fungus diseases which infest the tomato plant. Will not cause worm wilt. A full pound in a pump gun duster package ready to use. Retail 55c each. Ceiling price, per doz., \$4.20; carton of 24 pkgs., \$7.92.

ROTENONE GARDEN GUARD PUMP GUN. The old proven Rotenone insecticide which controls both sucking and eating insects. A full pound in a pump gun duster ready to use. Retail 59c ea. Ceiling price, per doz., \$4.68. Carton of 24 pkgs., \$9.12.

KALITE ROTENONE BUG DUSTER. This practical, efficient duster bag contains a pound of impregnated Rothenone Dust. A practical package for dusting Victory Gardens. Price per carton of 24 1 lb. packages, \$5.40; 4 lb. bags, 12 to a carton, \$5.76 per carton; 25 lb. bags, \$3.00 each.



Chemical Weed Killers

WEEDONE

TRADE MARK

It kills the plant under ground as well as above ground. Does not irritate skin and does not corrode metal or spray equipment. Will not leave residue on plants that is hazardous to livestock or pets. Does not sterilize the soil. Mix one part to sixty parts of water. Will kill Poison Ivy, Bindweed (Morning Glory), Ragweed, Burdock, Dandelion, Plantain, etc. Price per quart, \$3.00; gallon, \$10.00; 5 gals., \$35.00; 54 gals., \$324.00.

For ordinary grass and weeds, each part of Herbicide may be diluted with forty to fifty parts of water. One gallon will cover app. 2,500 sq. ft. Herbicide is a poison. Livestock should be kept off the treated ground until the dead leaves wither away. Qt., 75c; gal., \$1.50; 5 gals., \$6.00; 10 gals., \$10.00; 55 gals., \$35.00.



DUPONT AMMATE WEED KILLER

(Ammonium Sulfamate). A non-poisonous weed killer which can be applied by hand or power sprayer or can be applied dry. Will kill poison ivy, poison oak, poison sumac, dandelions and plantain. Use 3/4 to 1 lb. to a gallon of water. Price, 2 lb. bottle, 75c; 6 lb. carton, \$1.80.



GETZUM WEEDGUN

Kills dandelions and other weeds without injury to lawn. Does not sterilize the soil. Does not corrode or rust metals. Insures easy and economic application. No stooping or back breaking. Place cane on crown of dandelion or weed and press handle lightly. A small amount of chemical is released and does all the work. Price complete with liquid, each, \$1.75; 12 for \$14.00. Killer Chemical, pint, each, 30c; carton of 12, \$2.40.

PLANT MAGIC VITAMIN B-1 TABLETS

Vitamin B-1 Tablets, the famous Plant Magic brand, containing extra growth-substances. The proved transplanting aid. Also for flower-plant feeding and for fortifying vitamin-deficient soils. Garden magazine articles report amazing results. Each tablet makes 2 to 7 gal. Packet Retail, 25c; doz. pkt., \$1.80. 100 tablet bottle, 50c; doz. bottles, \$3.60.



KAY-TITE. Masonry waterproof paint. Guaranteed permanently to water-proof cement cellars, cinder and concrete walls and floors, brick, tile, stucco and every type of masonry. Applied as easily as paint. Will water-proof from the inside, outside, below or above grade. Price per 10 lb. can \$2.90.

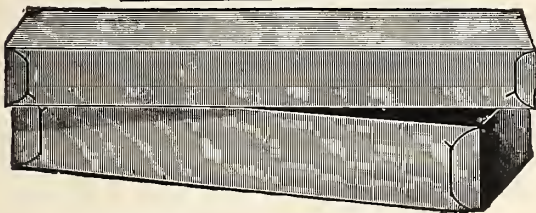
KNEE PADS

All rubber cushion pads constructed of solid and spongerubber with adjustable straps; fit any knee, will not slip down during walking. Price, \$1.65; 3 for \$4.50.



Supplies for the Florist Shop

CUT FLOWER BOXES



CUT FLOWER BOXES—WHITE

Full Telescope patent coated.

24x5x3 1/2.....	\$7.90 per 100
30x5x3 1/2.....	8.20 per 100
28x8x5.....	12.95 per 100

CORSAGE BOXES

9x5x4.....	\$6.50 per 100	12x5x4.....	\$6.85 per 100
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Owing to the uncertainty of the manufacturers making deliveries of our regular grade of green cut flower boxes and gray design boxes, we are not offering these in this book. We may be able to furnish some of these boxes and we refer you to our 1943 catalog for sizes. Our price on these boxes would be the same as 1943 unless the manufacturers are permitted to advance our cost.

FLORAL DESIGN BOX—MIST GRAY

Full Telescope. 36x14x8. Price per bundle of 25.....\$7.45

Paper—Tissue, Wax

Prices on Paper Subject to Market Changes.

Pure White Glazed Florist Tissue. The best grade white glazed 11 lb. basis. 24x36 inches, F. O. B. Chicago, ream (480 sheets), \$1.85; 10 reams (4,800 sheets), \$16.00; F. O. B. New York, ream (480 sheets), \$2.25; 10 reams (4,800 sheets), \$18.00.

White Wax. Medium, 24x36 inches; F. O. B. Chicago, 400 sheets, \$2.50; F. O. B. New York, 480 sheets, \$2.90.

Green Wax. Beautiful shade light green, 24x36 inches, F. O. B. Chicago, 400 sheets, \$2.50; F. O. B. New York, 480 sheets, \$2.90.

Kraft Wrapping in rolls, all weights and sizes. Price, per lb., 9 1/2c.

Green Wax Tissue Rolls 3". Handy wax tissue for all types of wire designs. Prices per box of 12 rolls, \$2.75.



Waterproof Crepe Paper. In green, pink, lavender, yellow, purple; per roll, 30c.

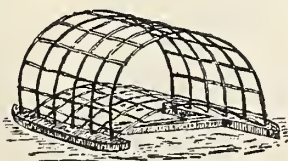
Scotch Cellulose Tape Trans-parent 1/2 in. wide, price per roll \$1.08; 12 rolls at 98c per roll.

SCOTCH CELLULOSE TAPE DISPENSER. Desk size, each, \$1.40; heavy duty, each, \$1.75; weight, 8 lbs.

PERFECTION FLOWER ARRANGERS

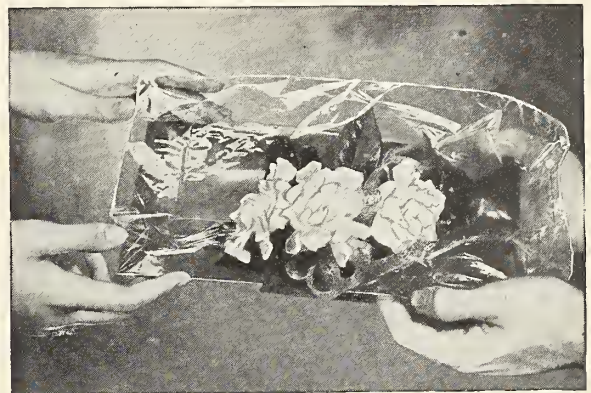
All numbers packed in boxes of one dozen.

	Re-	Per	
	tail	doz.	
Size #1, 3 1/2x2 1/2x2 in.	75c...	\$4.50	
Size #2, 3 1/2x3 x3 in.	85c...	5.15	
Size #3, 2 1/2x2 1/2x2 in.	50c...	3.50	
Size #4, (for Sweet Peas, etc., 1/4" mesh).	2 1/2x2 1/2x2 in.	50c...	3.50



Florist-Foil. Colored aluminum foil used for pot covers, etc. Rolls, 20 inches wide. Colors, violet, silver, gold, green, red, purple, fuchsia, pastel green, pastel blue, black and blue. Per 50-ft. roll, \$1.45; 10 rolls for \$13.00.

Polka Dot Embossed Florist Foil. In all colors. Rolls 20 inches wide, 50 feet long, each \$1.45, 10 rolls \$13.50.



CELLOPHANE BAGS

Most popular sizes for corsage use No. 300 moisture proof and regular square top.

	Packing per Carton	Weight	Price per 1,000
4" x 2 3/4" x 9"	1000.....	10 Lbs.....	\$ 9.50
5 1/2" x 3 1/4" x 12"	1000.....	16 Lbs.....	16.50
5" x 5" x 14 3/4"	1000.....	22 Lbs.....	24.50

TWINE "The Queen" White Cotton Twine. 3 or 4-ply. Put up in 5-lb. sacks, 30 balls to a sack. Price, \$3.75.

Write for prices on larger quantities.

Florists' Thread, Green.

Best brand. Similar to Silkline, 8 spools to a box. Per lb. box, \$1.75.

Green Twine. Used for wrapping small packages —also for spray and design work. Put up in balls. 1-lb. box, \$1.25. 5 boxes at \$1.20 per box.

Green Twine. 2 lbs., per cone, \$2.20; 3 cones for \$6.30.



UNWIRED PICKS.

4-inch Green.....	Box of 4,000	\$2.00
6-inch Green.....	Box of 3,000	2.00

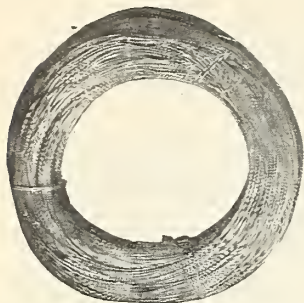
CARDS FOR ALL OCCASIONS

Sympathy, get-well, birthday, baby, congratulations, and all holidays. Your own selection.

CARDS WITHOUT CABINET.

250 assorted at.....	\$1.25	1000 assorted at.....	\$3.50
500 " ".....	2.00	2000 " ".....	6.75

WHITE ENVELOPES, PLAIN. Size 2 1/2x4 1/4", packed 250 to a box. 250 for 60c, 500 for \$1.00, 1,000 for \$1.75.



WIRE. (Prices subject to change).
Florist Wire on 12-lb. coils.
 No. 18.....\$1.45
 No. 20.....1.60
 No. 22.....1.80
 No. 24.....1.95
 No. 26.....2.15
 No. 28.....2.60

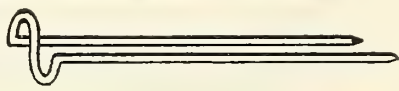
FLORISTS' CUT WIRE. Clean, extra soft white wire, cut in 12 or 18-inch lengths, 12 lbs. to box.

No. 18 20 21 22 24 26
 Price.....\$1.65 \$1.85 \$2.00 \$2.15 \$2.75 \$3.25

GALVANIZED WIRE COILS. Used for stringing benches in Carnation and Rose houses. No. 16, 100-lb. coil, \$9.95. No. 18, 100-lb. coil, \$10.95.



FERN PIN. New Philly. The bend holds the leaves firmly; easier to handle. Per box, \$2.75.

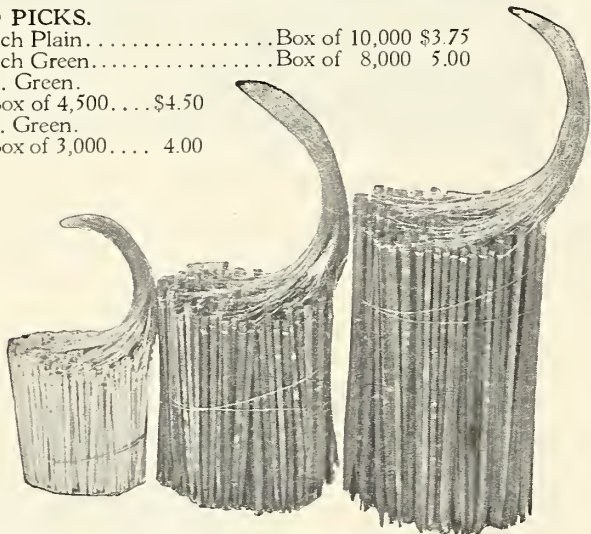


PINS, GREENING. Adapted for pinning on galax leaves, dagger or fancy ferns, sheet moss, etc., \$2.50 per box of about 10,000.

BULL DOG CLIPS. The clip with the grip. Per box of 1,000 clips, 60c; 10 boxes for \$5.50
 Prices Subject to Change Without Notice.

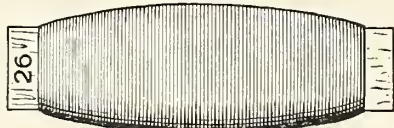
WIRED PICKS.

2 1/2-inch Plain.....Box of 10,000 \$3.75
 3 -inch Green.....Box of 8,000 5.00
 4 -in. Green.
 Box of 4,500....\$4.50
 6 -in. Green.
 Box of 3,000.... 4.00



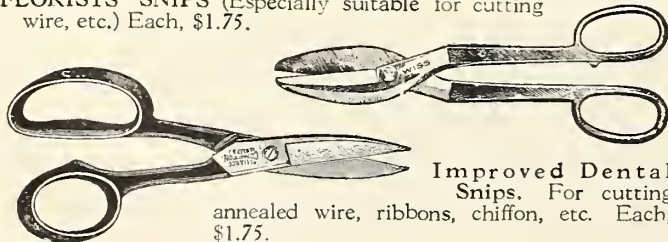
MALINS EXTRA SOFT FLORAL BINDING WIRE.

These sticks fit the hand. Handy for tying sprays, bunting, wreaths, etc. Put up in boxes of 20-1/4 lb. sticks, total weight per box 5 lbs. #22, \$1.75 per box; #24, \$2.15 per box; #26, \$2.35 per box; #28, \$2.95 per box; #32, \$3.50 per box and #36, \$4.95 per box.



THE MALIN & CO., CLEVELAND, O.

FLORISTS' SNIPS (Especially suitable for cutting wire, etc.) Each, \$1.75.



Improved Dental Snips. For cutting annealed wire, ribbons, chiffon, etc. Each, \$1.75.

Ribbons and Chiffons

We offer only the best grades especially adapted for Florists' use, but can also supply other grades not listed.



Radiance

Pattern 1900, No. 5 Radiance Ribbon. Used for tying mats and crepe paper around pots, also used for making bows for basket and wreath work. Put up in 50-yard spools. Comes in all colors. Per spool, \$1.45. Box of 20 spools at \$1.40 spool.

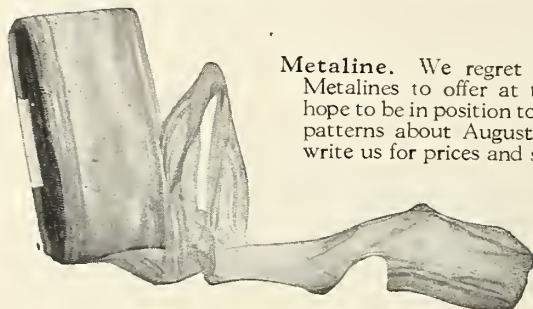
Pot Tie Ribbon. A good grade of ribbon which can be used around pots, small corsages, etc. No. 5, 50 yard bolts in all popular shades. Price per 50 yard bolt, \$1.30; 20 bolt lots at \$1.25 per bolt.

White Shower Ribbon. Suitable for plant decorations, bridal sprays, etc.; white and pink. No. 2, spool of 50 yards, \$1.25; 10 spools for \$11.00.

No. 1 Baby Ribbon. Any color. Spool of 50 yards, 85c; doz., \$9.60

Ribbonzene Crinkle Baby Ribbon No. 1. For tying cards. All colors. 500-yard spool, \$1.15; doz. spools, \$12.60.

Corsage Pins. Pearl heads, finest made, assorted colors. Per gross, \$1.50; 10 gross for \$12.50.



Metaline. We regret we have no Metalines to offer at this time, we hope to be in position to supply some patterns about August 1st. Please write us for prices and samples.

Letters, Figures and Clock Dials



CLOCK DIALS. Made of finest felt. Colors: Purple and White and White and Purple. Price, 4 inch, ea., 30c; doz., \$3.00; 7 inch, ea., 50c; doz., \$5.40.



GOLD SCRIPT WORDS. Gold finish. In the following inscriptions: Mother, Father, Brother, Sister, Asleep, etc.; ten words in a package. Price, per package of 10 words, 30c; per 100 words, \$2.25; per 1,000 words, \$20.00.

GILT RIBBON LETTERS. Gummed. 25 letters in a package, in letters A to Z, figures 1 to 9. 1 1/4 in. Per 100, 40c; per 1,000, \$2.75



TERRA COTTA GRASS GROWING HEADS

Heads should be soaked in water for 24 hours; also soak seed in separate dish over night. Fill the head with water and spread the seed very thickly all over head. Keep head filled with water at all times. In warm temperature seed may appear to be dry, if so, spray lightly with water using care not to wash seed off head. Keep in a saucer to protect the furniture.

We can supply "Sunny Jim," with seed, per doz., \$3.00, packed 24 to a carton at \$5.80 per carton. Retail at 40c each.

We can also supply the larger heads. "Buddy" with seed at doz., \$3.85; per carton of 24, \$7.20. Retail at 50c.

Greenhouse and Florists' Supplies

Prices quoted in this catalogue are subject to change without notice, owing to the unstable condition of the market. This applies particularly to Fertilizers, Wire, Tinfoil, etc. For parcel post rates see order sheet.

Labels for Plants, Pots and Gardens

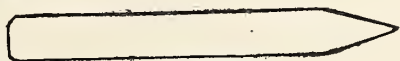
ZINC TREE LABELS. For an enduring label these are unsurpassed. They last for many years. Writing is done with an ordinary lead pencil; gets plainer with age. They are copper wired and measure $3\frac{3}{4} \times \frac{3}{4}$ inch. Price per 100, \$1.60.

COPPER LABELS. Wired, indestructible. Per 100, \$1.50; larger size, per 100, \$2.15.

EVERLASTING ZINC LABEL. A permanent label; holds lead pencil marks permanently in all weather, one piece, 6 inches over all. Price per 100, 85c; 500 for \$3.25.



LABELS (Pot). We carry the best quality of Wooden Labels made. They are smooth, strong and neat, $\frac{5}{8}$ inch wide.



Pot Label

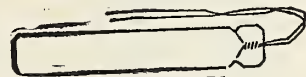
When ordering, specify pot labels or garden stakes, painted or plain.

	Packed to Carton	Plain, Per 1000	Painted, Per 1000
4-inch.....	1000	\$1.90	\$2.35
5-inch.....	1000	2.25	2.60
6-inch.....	1000	2.40	3.10
8-inch.....	500	3.75	4.50
10-inch.....	500	4.75	5.60

GARDEN STAKES

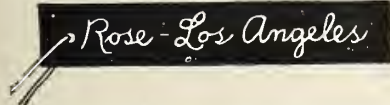
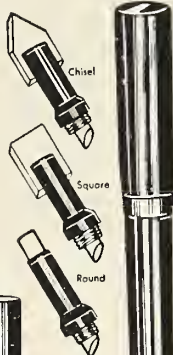
8-inch— $\frac{3}{8}$ inch wide.....	250	6.25	7.00
10-inch— $\frac{3}{8}$ inch wide.....	250	7.25	8.00
12-inch— $1\frac{1}{4}$ inches wide.....	1000	9.00	11.00

LABELS (Tree). Wooden, $3\frac{1}{2}$ in. wired. Per 1000, plain, \$2.25; 5,000 to 9,000, per 1,000, \$2.15; painted, per 1,000, \$2.85; 5,000 to 9,000, per 1,000, \$2.75.



WEATHER-PROOF PENCILS. For marking labels. Will not rub off or fade. Each, 10c; doz., 85c.

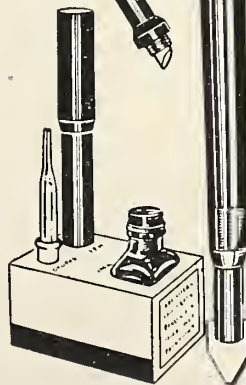
SPEEDRY BRUSH PEN. This is the new amazing brush pen. Will write or mark on porous surfaces. It can be used on wood, leather, textiles, cardboard, paper, glass, tin and cellophane. The ink dries instantly and does not smear. When ordering specify type of nib; chisel, square or round. Price each with bottle of instant drying ink \$1.95. Per dozen, \$16.00. Extra nobs at 35c each; dozen, \$2.80. Speedry Ink price, per 4 oz. bottle, 80c; 16 oz. bottle, \$2.60; 32 oz. bottle, \$4.50.



No. 31 SIMPLEX. Green Weather-Proof Plant Labels. Price includes copper wires for attaching, steel stylus for marking. No. 31, size, $3 \times 1\frac{1}{2}$ inch, per doz., 40c; per 100, \$2.50.



SIEVES. For sifting soil. 18 inches in diameter, all sizes mesh from $\frac{1}{8}$ to $\frac{1}{2}$ inch. Each, \$1.75.



MOSS FILLED WREATHS AND DESIGNS

Machine made Sphagnum Moss filled designs always ready to use. NET Prices.



Spray Bars

3½ ins. wide, 2 ins. thick		2 ins. thick	
Length	Each	Length	Each
8 ins...	\$0.17	20 ins...	\$0.31
12 ins...	.20	22 ins...	.35
14 ins...	.22	24 ins...	.37
16 ins...	.25	30 ins...	.41
18 ins...	.29		

Spray Bars

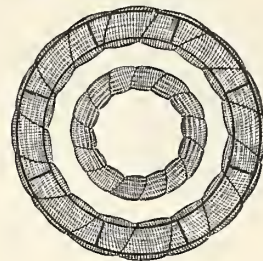
4½ ins. wide, 2½ ins. thick		2½ ins. thick	
Length	Each	Length	Each
18 ins...	\$0.41	36 ins...	\$0.71
24 ins...	.50	42 ins...	.79
30 ins...	.61	48 ins...	.85

Spray Bars

6 ins. wide, 2½ ins. thick		2½ ins. thick	
Length	Each	Length	Each
24 ins...	\$0.61	42 ins...	\$0.91
30 ins...	.68	48 ins...	1.18
36 ins...	.77		

Crosses

Size	Each	Size	Each
18-in....	\$0.52	30-in....	\$0.96
20-in....	.58	33-in....	1.08
22-in....	.65	36-in....	1.55
24-in....	.73	42-in....	2.20
27-in....	.82	48-in....	2.60



Wreaths

Size	Each	Size	Each
10-in....	\$0.26	24-in....	\$0.70
12-in....	.30	27-in....	.85
14-in....	.36	30-in....	1.15
16-in....	.42	33-in....	...
18-in....	.48	36-in....	...
20-in....	.55	42-in....	...
22-in....	.62	48-in....	...

We have a limited supply of wire designs, wire baskets, easels and wreaths, and will fill orders while the supply lasts.

POWER TRIMMERS



You can save . . . the entire cost of a complete outfit as shown above during Ten or Less Days of use . . . Every Kind of Grass trimming, cutting and edging can be done anywhere, as power plant is portable . . . two men each using an O.K. Trimmer can do as much work as eight to ten men using sickles.

DeLuxe Outfit \$210.00
Includes power plant, trimmer and cord. Up to four trimmers can be run at one time.
Extra trimmers, \$28.00 each. Large base cutter \$28.00



O. K. POWER PLANT

O. K. Heavy Duty Hedge Trimmer \$18.00
You have unlimited use for O. K. Equipment. Why not write for further particulars—it is standard equipment now in thousands of cemeteries.

Jardiers and Vases—Thermometers

Jardier Pot Covers. Popularize the potted plant—because they safeguard the appointments of the finest homes—table tops, linens, window sills—from soilage and overflowing saucers. These are inexpensive, yet take the place in beauty and service of expensive jardinieres. Save time and labor over other methods of trim.

JARDIERS FOR STANDARD SIZE POTS

In Imitation of Pottery—Stucco Effect



Sizes	Diam. Top Inside	No. Per Carton	Price Per 100
No. 4.....	5 1/4 in.	100	\$ 8.00
No. 5.....	6 1/4 in.	80	10.00
No. 6.....	7 1/4 in.	50	13.00
No. 7.....	8 1/4 in.	35	20.00

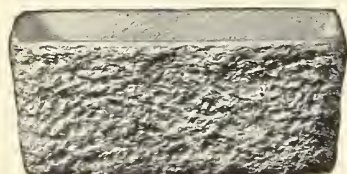
(EXAMPLE: Use No. 6 Jardier for a 6-in. Pot.)

JARDIER BULB BOX

No. 3 (or 3 in 1)—Curved construction makes possible a perfect fit for three 3-inch clay pots. Makes ideal table center-piece, 12 inches long, 5 inches wide, 4 1/2 inches high. \$20.00 per 100, packed 50 per carton.

NOTE—No. 3, No. 4 and No. 5 Standard Jardiers are extensively used as "vases" for shortstemmed flowers.

THE JARDIER BULB BOX



No. 4 Jardier Bulb Box

Here is the final solution to bulb and plant "box idea" and its many possibilities.

The Jardier box is absolutely waterproof. Place the soil and plants directly into the Jardier. It is the least expensive and most practical method of carrying out the beautiful box idea. Jardier Boxes are self-

aerating—same as Jardier Vases—stimulating plant growth.

No. 4—12 in. long—5 in. wide—4 1/2 in. deep. \$20.00 per 100—50 per carton.

Standard Color—Green Special Color—White with Gold Trim.

JARDIERS, VASES, BULB BOXES, AND PLANT TUBS not available for immediate delivery. Orders for these items will be filled as soon as we can procure this merchandise.

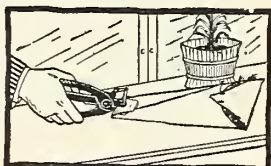
Prices subject to change without notice.

NEVA-CLOG STAPLING PLIERS

Florists Save Time and Make Money with Wide-Jaw Neva-Clog Stapling Pliers.

Florists' Model F100.

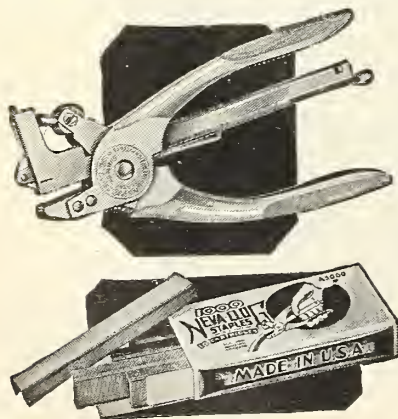
For wrapping plants and cut flowers, making up corsages, wreaths and light baskets, making paper flower pot covers, attaching delivery tags to plants and flowers, sealing seed and bulb envelopes and 101 other uses. Has 3/8-inch jaw and uses 1/4-inch and 5/16-inch staples as listed elsewhere on this page. Price, each, \$3.95.



STAPLES

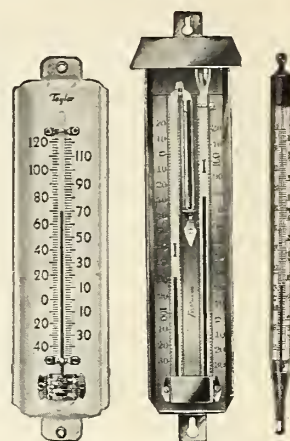
All Neva-Clog staples are sharpened at the points to make easy penetration of material. The forming is perfect and the cohering very strong to prevent strips breaking upon being handled at high speed by workman. Both lengths are 100 to a strip, 1/4-inch crown, 1000 to a box.

- A—1000 1/4-inch legs. Per 1000, 35c
- L—1000 5/16-inch legs. Per 1000, 35c
- 10,000 lots, per 1000, 30c
- 25,000 lots, per 1000, 27c
- 50,000 lots, per 1000, 25c



THERMOMETERS. Tin Case.

Standard grade (tested). 12 inches. Guaranteed accurate tin case thermometers, black oxidized metal scale, heavy magnified easy reading tube, each, \$2.75; 3 for \$7.50; doz., \$28.80.



Taylor Self Registering Hotbed

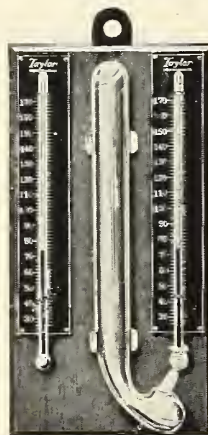
Self Registering Tycos. No. 5452, with magnet. 10 in. Maximum and minimum registering thermometers mounted on substantial plastic frame, guaranteed accurate, complete with magnet, each, \$9.00.

Taylor Utility Thermometer.

White vitreous enamel scale, black figures and graduations; easy reading red permacolor tube which will not fade; prongs on top and bottom for easy mounting, about 8 inches.

Each, \$1.25; three for \$3.50; doz., \$12.00.

Hotbed (Mushrooms). All glass heavy plain, each, \$1.25; 3 for \$3.50.

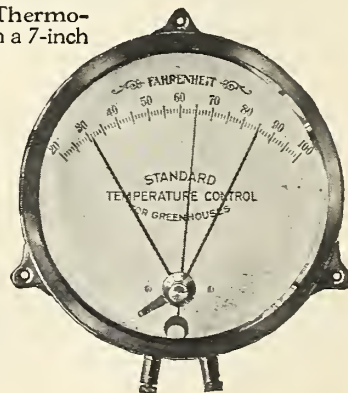


No. 5532-S HUMIDIGUIDE

Permacolor tubes with magnifying lens, indoor temperature range. Scales have burnished metal figures and graduations on a polished lacquer background. Frame is mahogany bakelite with revolving humidity table and easy filling reservoir. Each in attractive box complete with spare wicks and instructions. Each, \$5.50. Wicks for Humidigide, per dozen, \$1.50.

Standard Recording Thermometer No. 200. Furnished with daily chart No. 3 or weekly chart No. 2. Range of temperature 20° to 120° F. Price, \$60.00.

Standard Greenhouse Thermostat. No. G. H. 4, arranged in a 7-inch enameled, hermetically sealed metal case supplied with padlock and key. Contact hands when set can be changed only by person having key. Price, \$22.00. Shipping weight, 4 lbs.



Standard Greenhouse Thermostat. No. G. H. 3, enclosed in 6-inch non-rusting metal case. Contact hands are set by a stud extending through the glass. Price, \$17. Shipping weight, 2 lbs. Prices do not include wire, batteries or bell.

New Handy Seeder

This little handy seeder will sow seeds up to size of sweet peas, scatters seed individually, prevents crowding and choking of seedlings, eliminates guess work because you can see each seed drop, no matter how fine. Saves time because you can sow seeds twice as fast. Price, each, 50c, postpaid; three for \$1.45; doz., \$5.40; retails at 60c each.



Plant Stakes and Supports

Wood Stakes, Green Painted

Medium weight pointed.

3 ft., per 100, \$5.50; 4 ft., per 100, \$8.50; 5 ft., per 100, \$10.95.

Wood Stakes, Green Painted, Heavy Grade

4 ft., per 100, \$10.95; 5 ft., per 100, \$12.95; 6 ft., per 100, \$15.95.

Bamboo Stakes, Plain and Green Painted.

	F. O. B. Chicago	Per 1000	Per Bale of 2000	F. O. B. New York	Per 1000
1½ feet.....	\$1.00	\$5.25	\$10.40	\$0.90	\$5.25
2 feet.....	1.20	7.10	12.40	1.20	7.10
2½ feet.....	1.35	8.40	16.20	1.35	8.40
Natural, 6 ft.....	2.50	18.50	.....	.....	16.50
3 feet.....	1.65	9.45	18.40	1.65	9.45
3½ feet.....	2.00	11.25	22.60	2.25	11.25
4 feet.....	2.25	12.25	23.50	2.45	12.25

Write for price in bale lots

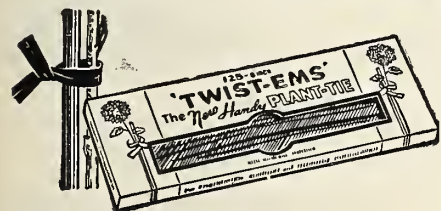
Heavy Tonkin Stakes, Natural Colors. Heavy weight bamboo. Entire stake same weight, does not taper. Ideal for roses, dahlias, young trees, etc. Just the thing for florists and nurserymen. Lasts a lifetime.

Length	Diameter	F.O.B. New York Per 100	F.O.B. Chicago Per 100
4 ft.	½ to ⅝ inch.....	\$8.00	\$8.25
4 ft.	⅝ to ¾ inch.....	8.50	8.75
5 ft.	⅝ to ¾ inch.....	9.50	9.00
6 ft.	⅝ to ¾ inch.....	10.50	10.00
8 ft.	⅝ to ¾ inch.....	12.50	12.00

Galvanized Wire Stakes Made of No. 8 Wire

	Per 100	Per 500	Per 1000
4 ft.....	\$2.75	\$12.25	\$24.50
5 ft.....	3.50	15.50	28.50
6 ft.....	4.20	16.75	33.00

We may be in position to furnish smaller sizes about March 1st.



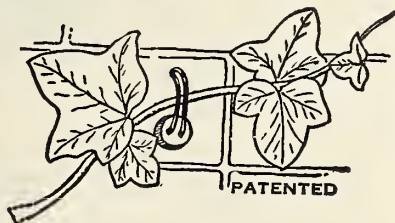
TWIST-EMS

New handy utility plant ties, deep green color, same shade as foliage of plants. Do not break or come loose. The wire running through the center of tape makes them unbreakable and they

cannot come unfastened. Tape protects stem against injury. For tomato plants and other vegetable crops. Made in 7" only. Price, per 1000, \$1.25.

WAYWARD VINE GUIDE AND SUPPORT

For Training and Supporting Ivy, Small Fruiting Trees and all other Vines, etc. on Brick, Stucco, Stone and Cement Walls without Defacing. No Nails—No Holes. Price, box of 25, including cement, 80c; 12 pkgs. for \$8.00.



PLANT TIES Lighting Wire. Per box of 1,000, \$2.00; 5 or more boxes, \$1.95 per box. Shipping weight per box, 2 lbs.

CLIP, Blake's New Loop Lever. For roses, mums, etc., up-to-the-minute stake holders; hold stakes with firm grip. Loop clips allow you to remove and replace any stake any time. They never slip and are a great saving in time and money. Price \$2.00 per 1,000. 5,000 for \$9.50. Samples mailed free.

STAKE FASTENERS. Ever-lasting, packed 500 to a box, per box, \$1.35; 10 boxes or more, \$1.25 each.

RAFFIA. Natural, Best Grade, F. O. B. Chicago. Lb., 65c; 5-lb. lots, per lb., 60c; 10-lb. lots, per lb., 58c; 25-lb. lots, per lb., 55c; 100 lbs., per lb., 53c. Bale lots (about 225 lbs.), per 100 lbs., \$52.00.

Dyed—Old gold, pink, purple, emerald green, dark red, bright red, black, navy blue, orange. Per lb., 95c; 5 lbs. at 90c; 10 lbs. at 85c; 25 lbs. at 80c. Samples on application.

GRAFTING WAX. Per ¼-lb. bar, 20c; ½-lb. bar, 35c; 1 lb., 55c.

Above prices subject to change without notice.

FLORISTS' KNIVES

The Budding, Grafting, Pruning and Florists' Knives illustrated below are designed and made to meet the exacting requirements of nurserymen, orchardists, florists and gardeners who are extremely particular in the choice of their cutting equipment.



No. 5A Each 3 for

Budding, No. 5A. Black handle; brass lined. . . . \$2.75 \$8.00
Budding, Beech Wood Handle. Per doz., \$4.80.50 1.25



Vaughan's Florist (Patterned after Henckel's which cannot be had.) Each

Vaughan's Florist—3 for \$6.50. \$2.25

Putty Knife—No. 120, a very good tool; 3 for \$1.25. . . . Each, .50

Pruning, Stag handle. Each, 3.00

Schrades Heavy Perfect Pruning Knives No. 123EW, similar to Henckel No. 3C. Each, \$3.00



Vaughan's Budding and Prop., No. 86281, with Brass Caps, each, \$2.50; doz., \$27.00.

White Handle, No. 83023W, silver nickel shackle for chain attach. Each, \$2.50; 3, \$7.00.



DOG-CHECK. The ideal repellent as a means of checking doggie habits. Safe and harmless to use. New formula will permit spraying on new growth. Unaffected by rain, one spraying usually lasts from two to three weeks. Packaged in handsome glass containers. 3-oz. size, 50c; display carton of 12, \$3.60; 3-oz. size, 60c; display carton of 12, \$4.32; 8-oz. size, \$1.00; display carton of 12, \$7.20.

ANT-"X" JELLY BAIT. Tubes, garden size, 35c; display carton of 12 tubes, \$2.52.

ANT-"X" TRAPS. Death box. 300 grain size for grease and sweet eating type ants, each, 25c; display carton of 12 traps, \$1.80.

RAT-NOTS. The safe way to exterminate rats. Prepared bait containing squill can be used without fear of harming humans, dogs, livestock, etc. Trial size, 9 Nots, 25c; display carton of 12 pkgs., \$1.80; estate size, 50 Nots, \$1.00; display carton of 12 pkgs., \$7.20.

MOUSE-NOTS. Impregnated seed bait kills mice. Fall is a good time to destroy mice in the house or orchard. Trial size, 9 Nots, 25c; display carton of 12 pkgs., \$1.80; estate size, 50 Nots, \$1.00; display carton of 12 pkgs., \$7.20.

MOLE NOTS. Life saver for lawns and seed beds. Trial size 8 Nots, 35c; display carton of 12 pkgs., \$2.52; estate size contents, 50 Nots, \$1.00; doz., \$7.80; jumbo size contents, 125 Nots, \$2.00; doz., \$14.40; gardener size contents, 400 Nots, \$5.00; doz., \$36.00. 5% discount on orders of six display cartons of the above.

Glazing Materials and Hotbed Supplies

GARLANITE. The original white glazing compound, remains soft and flexible, easy to apply and to remove. Price 40 and 60-gal. drums, \$2.40 per gal.; kegs, 10 and 20 gals., \$2.50 per gal.; 5-gal. kegs, \$2.70 per gal.; gal. cans, \$2.75. 10 gals. or more prepaid.

GARLAND WHITE SHADING COMPOUND. 25 lbs. is equivalent to 2 gals. 25 lbs., \$4.00; 50 lbs., \$7.00; 100 lbs., \$13.00; 200 lbs., \$24.00; 300 lbs., \$35.00; 500 lbs., \$55.00, F.O.B. Chicago or Cleveland, O. 100 lbs. or more, freight prepaid and shipped from factory.

TAMM'S SHADING COMPOUND. Save on shading painting. Stays on in rainy weather and is easily removed when no longer needed; none better made. White, per 100 lb. keg, \$9.00; Barrel of 400 lbs., \$28.00. Green, 2c per lb. higher.

VAUGHAN'S GREENHOUSE BULBING CEMENT. A pure asphalt glazing compound for greenhouse use. Will not crack or run and adheres to all glass and framework or sash. One gallon to 300 lineal feet. Apply with Mastic Machine or Bulber. 60, 40 and 20-gal. drums at \$1.00 a gal.; 10 and 5-gal. drums at \$1.30 a gal.; 1-gallon can, \$1.50.

MODEL "O" SAFETY GLAZING GUN. Gratis with 40 or 60-gal. drum of glazing cement. Each, \$5.50.



VITAPLASTIC GREENHOUSE MAINTENANCE PRODUCTS, Vita Bar Seal Paint. Effectively seals and protects Greenhouse Bars, having excellent durability and adhesion to both bars and glass due to the exclusive use of Vitaloid. Per gallon, \$3.50; 5 gallons, \$17.50. Freight prepaid on 10 gallons or more.

Vita Bedding Compound. An excellent elastic compound for rebedding. Gal., \$2.75; 5-gal. pails, \$12.50; 10 gals. or over prepaid.

PUTTITAPE. A wonderful new method of glazing new ever soft gum now mounted on tape, made of lead foil to protect it, comes to you in handy rolls. Just unroll on the sash and bars, price, 100 ft., \$3.50; per 700 ft., \$21.00.

SEAL-A-SEME. For repairing leaky ice cans, galvanized vases and greenhouse water buckets. Easily applied, brine proof. Does not retard refrigeration. Creates an absolutely tight joint that will last for years without further care or attention. 1 lb. can, 85c; 10 lbs., \$7.50.

GLAZING PUTTY, Gun Grade. A superior grade which will not dry out and crumble. Seals tight, remains soft and pliable. Gal., \$2.10; 5 gal. can, \$10.00; 30 gal. drum, \$55.00.

PUTTIROPE. A great new improvement for glazing and caulking, easy to apply, won't deteriorate, run or get brittle. 100 ft. to a box. 100 ft., \$1.00; 300 ft., \$2.50. Postpaid, 1,000, ft., \$5.00. F. O. B. Pana, Illinois.

PUTTY KNIFE, No. 120. A very good tool. Each, 50c; 3 for \$1.35.

GLAZING POINTS, Vaughan's Perfection—No rights or lefts.

No. 2. For large single thick glass. No. 2½. Double thick, for greenhouses and skylights. No. 2. Price, per lb. (about 900), 60c; in lots of 5 lbs., 55c per lb.; No. 2½. Per lb. (about 800), 60c; 5 lbs. at 55c per lb. Write for prices in larger quantities.

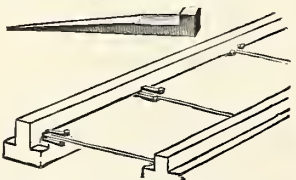
SIEBERT'S IMPROVED.

Easy to drive and made so they will not wedge or crack glass in driving. The head gives a good surface and makes it very easy to drive with a chisel, and the point

is very easily pulled out in re-repairing greenhouse roof. Two sizes, 5/8 and 7/8 inch long, put up in 1-pound packages. Over 1,500 points in 1-lb. pkg. of 5/8 in; over 1,000 points in 1-lb. pkg. of 7/8 in. Price: per lb., 50c; 5 lbs., \$2.35; 20 lbs., \$8.25.



PUTTY BULB, Scollay's. A useful tool similar to the well-known Scollay Sprinkler, with a tube instead of spray for applying liquid putty in glazing greenhouses. Each, \$1.45; 3 for \$4.20; doz., \$14.80.



TROJAN ROLLER TYPE GLASS CUTTER. Doz., \$2.50; each, 25c.



HOTBED MATS

For protecting Hotbeds, made of poplin, material, vat dyed and Sanforized to make them damp proof, 40x76", price each, \$4.95; dozen, \$49.00; 76x76" price each, \$6.95; dozen \$72.00.



VITAPANE GLASS SUBSTITUTE. Crystal-clear transparent, durable, glossy material. Admits over 60% ultra violet rays for greenhouses, hot and cold bed frames, hot houses, as plant protectors and everywhere glass is generally in use. Put up in 50-ft. rolls, 36 inches wide. Price per roll, \$9.25; 5-roll lots at \$7.40 per roll.

GLASS WOOL. Protection and perfect mulch for your prized Plants and Shrubs, has been proved superior to all other mulches for the winter protection of plants. A snowy white blanket composed of extremely fine glass fibres. Packed 12 rolls to a carton, 24" x 96" in size, 192 sq. ft. Price per carton, \$6.50; three cartons for \$18.75. Write us for prices on Hotbed Heating Cable and Thermostats.

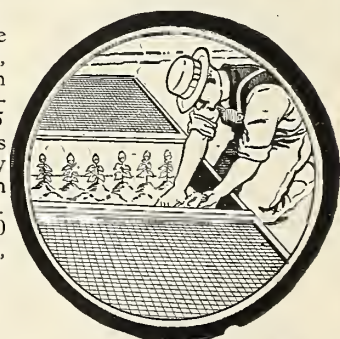


MILL CREPE DUPLEX TREE WRAP

For covering the trunks of transplanted and newly set fruit and shade trees. Helps your stock to get off to a healthy start. Rolls, 4 inches wide, about 120 ft. to a roll. Weight about 2 lbs. Each, 50c; 10 rolls for \$4.50; 25 to 49 rolls at 42c roll.



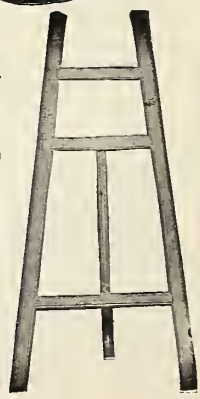
CEL-O-GLASS. Will take the place of glass in hotbed sash, unbreakable and very light in weight. Properly installed, Cel-O-Glass is guaranteed for 5 years, will not break like glass or tear like cloth, flexible, easy to handle and install. Put up in rolls 3 ft. wide up to 100 ft. long. Price per 25-ft. roll, \$8.35; 100 ft. roll, \$30.50. 28 inches wide, 100-ft. roll, \$24.25.



WOOD EASELS

Strong, well made, finished in white

Height	Ea.
36 inch	\$.55
42 inch	.60
48 inch	.75
54 inch	.85
60 inch	.95
66 inch	1.00



RUBBER APRONS.

Black Lightweight. Each, \$2.95.
Red Heavyweight. Each, \$3.95.



Paper Pots and Plant Bands

Prices on pots subject to change without notice

IMPROVED NEPONSET PAPER FLOWER POTS. The famous pot with a new use. A waterproof pot that can be used for growing plants, especially in the greenhouse where they have to stand continual watering from six to eight weeks. The ideal pot for transplanting and shipping. Unbreakable and much lighter in weight.



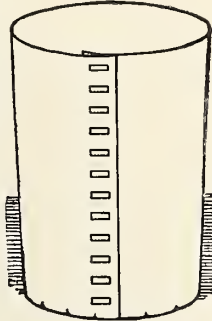
Size, inch	Per 1000	Per 1000		Original crates hold	Gross wt. of 1000 pots about
		F.O.B. New York	F.O.B. Chicago		
2	\$0.60	\$ 4.30	\$ 4.45	1,000	10 lbs.
2 1/4	.65	4.35	4.55	1,000	12 lbs.
2 1/2	.75	4.50	4.75	1,000	16 lbs.
3	1.10	5.45	5.70	1,000	24 lbs.
3 1/2	1.20	7.00	7.20	1,000	34 lbs.
4	1.30	8.45	8.65	500	46 lbs.
5	1.95	11.15	11.40	500	75 lbs.
6	2.40	14.25	14.65	500	102 lbs.

NEPONSET GREEN POTS—For Growing. This new development makes it possible to take advantage of the economy, ease and convenience of paper pots for the full growing period of young plants without any damaging or retarding of root growth. In fact, the special waterproofing treatment of these pots seems to encourage healthy growth.

Size	Per Case Quan.	Per Carton Shipping Wt.	Price per Carton
2 inch	1,000	14 lbs.	\$ 7.20
2 1/4 inch	1,000	16 lbs.	7.30
2 1/2 inch	1,000	22 lbs.	8.00
3 inch	1,000	28 lbs.	9.20
4 inch	500	26 lbs.	7.00
5 inch	500	44 lbs.	9.90
6 inch	500	62 lbs.	12.00

CLOVERSET PLANT POTS. An improved pot or container made of tough asphalt-coated laminated waterproof fibre stock, closely riveted so that it will stand much handling; made in four sizes, packed 100 to a carton.

Standard Heavy Weight Cloverset Pots						
No.	Height	Diam. Top	Diam. Bottom	Weight per 100	Per 100	Per 1,000
0	5 in.	4 1/2 in.	3 1/2 in.	35 lbs.	\$2.50	\$22.50
1	6 1/2 in.	6 in.	5 1/2 in.	52 lbs.	4.00	35.00
2	9 1/2 in.	7 in.	6 1/2 in.	77 lbs.	4.50	40.00
3	9 in.	8 in.	7 1/2 in.	88 lbs.	5.00	45.00



Cloverset Plant Pots

All orders for Cloverset Pots shipped from Kansas City.

BIRD GROWTH-STIMULATING PLANT BANDS

A band for every purpose. Units of 1,000 only.

Vita-Band A. Designed for all-around use, especially for long growing periods. Ideal for carnations... Treated with nutrients to assure vigorous, well-balanced growth. A heavy and sturdy plant band.

Per 1,000	1 3/4 x 1 3/4 x 2 1/2	2 x 2 x 2 1/2	2 x 2 x 3	2 1/2 x 2 1/2 x 3	3 x 3 x 3	3 x 3 x 4
Price	\$3.30	\$3.65	\$3.90	\$4.20	\$4.70	\$5.80

GROWTEX. Also designed for growing periods up to 8 or 10 weeks. Has the same quick set-up and fast handling features without nutrient treatment. A low-priced band giving satisfactory results for the shorter growing periods. May require an occasional liquid feeding.

Per 1,000	1 3/4 x 1 3/4 x 2 1/2	2 x 2 x 2 1/2	2 x 2 x 3	2 1/2 x 2 1/2 x 3	3 x 3 x 3	3 x 3 x 4
Price	\$2.35	\$2.60	\$2.90	\$3.10	\$3.45	\$4.00

The above plant bands made of fibre-resin materials developed by extensive research work. Tested and proved under all growing conditions by successful greenhouse operators.



NEPONSET "TOM THUMB" FLATS

Made of heavy fibre-resin material. Easily set up. Comes in two sizes to hold either a dozen 1 1/2-inch bands or a dozen 2-inch. You will find these ideal for counter sales of bedding or vegetable plants. Price, size No. 1, \$25.75 per M; size No. 2, \$27.35 per M; f.o.b. East Walpole, Massachusetts.

Orders for shipment East of Pittsburgh will be shipped out of East Walpole, Mass. Orders West of Pittsburgh, and including Pittsburgh will be shipped out of Chicago.

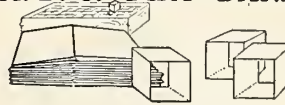


PANSY BASKETS

Price, 2 qt. size, 500 for \$11.50; 1,000 for \$22.00; 3 qt. size, 500 for \$13.00; 1,000 for \$25.00.

A. B. C. DIRT BANDS

Made of cardboard chemically treated for growing plants in flats.



Size	Weight Per 1,000	Per 1,000	In Lots of 5,000
1 3/4 x 1 3/4 x 2 3/4	12 lbs.	\$2.40	\$2.15 per 1,000
2 x 2 x 2	10 1/2 lbs.	2.25	2.00 per 1,000
2 x 2 x 2 1/2	13 lbs.	2.50	2.25 per 1,000
2 1/2 x 2 1/2 x 2 1/2	15 lbs.	2.75	2.45 per 1,000
3 x 3 x 3	22 lbs.	3.10	2.75 per 1,000
4 x 4 x 3	26 lbs.	3.75	3.40 per 1,000



WOOD VENEER PLANT BANDS

Used by the largest growers for vegetable plants, perennial plants, carnations, snaps and stocks. For transplanting in greenhouse or outdoors.

Packed 1000 to carton	Weight per 1000	Price per 1000
2 x 2 x 3	16 lbs.	\$3.65
2 1/2 x 3 x 3	20 lbs.	3.90
3 x 3 x 3	21 lbs.	4.25
3 x 3 x 4	32 lbs.	4.50
4 x 4 x 4	43 lbs.	5.25

EVER-GRO UNIVERSAL POT DRAIN



Saves labor when potting. Prevents drain from clogging, thus promoting better plant growth. Easily installed at any time. Will not shift around. Placed in pot with

points down. Size, 1 7/8 in. dia., 22 galv. steel. Fits 3 1/2 to 7 inch pots. Shipping weight, 24 lbs. per 1000. Prices, 500 for \$6.00; 1000 for \$10.00; 5000 for \$45.00; 10,000 for \$85.00. Sample on request.

EVER GRO POT DRAINS. Counter carton containing 100 packages of Ever Gro Pot Drains with six 4 color 4 x 6 in. display easels, which retail at 10c per package. Price, per carton of 100 pkgs. with easels, \$6.00.

SEED FLATS

Made from clean Ponderosa Pine, knocked down, put up in bundles of ten flats each.

No.	Dimensions	Per Bundle of 10
No. 2	22 3/8 x 15 x 2 3/4 inches	\$3.85
No. 1	20 x 14 x 2 3/4 inches	3.60
No. 2-A	22 3/8 x 15 x 3 3/4 inches	4.00
No. 1-A	20 x 14 x 3 3/4 inches	3.85

Write for prices on Hotbed Sash.

A GOOD VARIETY OF SIZES IN THESE FLOWER VASES.

And they are built right. Galvanized, hand soldered, with wire reinforcement at the top—the sides tapering so that they nest. Attractively striped in red.

Style	Diameter		Ht.	Price Per Doz.
	Top	Bot.		
253	4 3/4 in.	3 1/2 in.	10 in.	\$ 6.00
255	6 1/2 in.	5 1/2 in.	12 in.	7.95
257	6 1/2 in.	5 1/4 in.	15 in.	9.00
57	5 in.	3 1/2 in.	5 in.	5.40
59	6 1/2 in.	5 1/2 in.	7 in.	7.20
65	7 1/2 in.	6 1/2 in.	8 in.	7.80
66	9 in.	7 1/2 in.	10 in.	9.60
68	9 in.	7 1/2 in.	12 1/2 in.	11.40
69	9 in.	7 1/2 in.	18 in.	13.80
70	9 in.	7 1/2 in.	24 in.	16.20



Galv. Vase



LAWN RAKE

LAWN RAKE

Durably made of 20 genuine spring steel tines. Handle measures 47 in., over all length 58 in. Packed 12 to a bundle. Price per doz., \$9.60.



Handy Crab Grass Rake

This rake is formed so that the teeth pull flat on the sod; thus they get under the branches of the Crab Grass, shear off the entire head of the plants and keep them from further seeding. You can eliminate crab grass and not harm the other grasses; will also pull out any weeds that clings close to the ground. Ea., \$1.50.

SOIL TESTERS

The Sudbury Horticultural Soil Test Kit, \$9.75

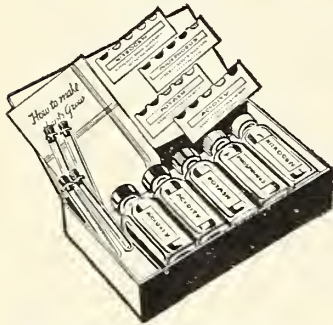
The Sudbury Horticultural Soil Test Kit makes instantly available the essential information you require for gardening success. With it you can make quick practical tests which will show the acidity of your soil and any possible deficiency in nitrogen, phosphorus and potash. As a result, you can avoid failure by prompt adjustment of your soil to the requirements of your plants and grasses. Sudbury Soil Test Kits are used by leading amateur and professional growers throughout the country. The Horticultural Kit contains enough material for 60 individual tests. The Sudbury Horticultural Kit, complete with instructions and table of plant needs, \$9.75.



The Sudbury Improved Professional Soil Test Kit—Contains enough material for 200 individual tests. Price, complete with instructions, \$22.50.

Testing Fluid for Refill—Specify whether for nitrogen, phosphorus, potash, or acidity. When ordering the above, it requires No. 2 and No. 3 to make Nitrogen Tests, No. 4 and No. 5 for Phosphorus Tests and No. 6 and No. 7 to make Potash Tests, therefore when ordering, please order two numbers. 2 oz., 75c; 6 oz., \$1.50.

The Sudbury Home Gardener's Soil Test Kit, \$1.50

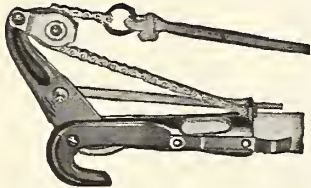


This simple, practical easy-to-use kit is your best insurance of gardening success. Made by the maker of professional field test kits used by nurserymen, growers and greenskeepers throughout the country. The Home Gardener's Kit tests for nitrogen, phosphorus, potash and acidity, giving complete information for the intelligent adjustment of your soil to the requirements of your plants and grasses. No technical skill required. Results of tests are apparent immediately.

***The Sudbury Home Gardener's Soil Kit.** Complete with instructions and table of plant needs, \$1.50; six for \$8.00.

New Club Model Kit. An inexpensive kit cased in attractive imitation leather; makes a wonderful gift, each, \$3.85; 3 for \$9.48.

IMPROVED TELEPHONE PRUNER. A



strong and rugged Pruner with many advantages, such as lighter weight, greater cutting power, strength and greatly improved spring action which eliminates spring breakage. No. 12 cuts 1½-inch branches, No. 11 cuts 1-inch branches. No. 11 Pruner Head only, \$3.00. Price, complete with one head pole, 6-ft., and two 6-ft. extension poles, \$12.00. No. 12 Pruner head only, \$6.50. Price, complete with head pole and two 6-ft. extension poles, \$19.00.

TREE PRUNERS. Waters' 6-ft., \$3.00; 8-ft., \$3.25; 10-ft., \$3.75; 12-ft., \$4.25. Extra blades, each, 30c.

No. 4 Jointed Tree Pruner, 12 ft., in three 4-ft. sections. Each, \$9.75.

PRUNING TOOLS

BUCKEYE PRUNERS. No. 5406, 20 inch handles, each, \$1.60; 24 inch handles, each \$1.95.

SAWS (Atkins) Double-Edged Pruning.

18-in. . . \$2.00 



TRIMMER, California Pole. Curved, draw-cut saw with crook for removing branches. Each, \$2.95; 3 for \$8.50.

Utility Speed Pruning Saw. Length 26 inches, curved blade. Each, \$5.00.

Prices subject to change without notice.



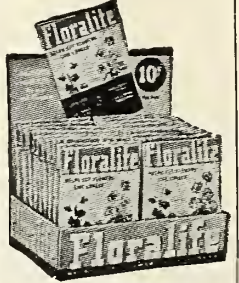
MAKES CUT FLOWERS LAST LONGER
PATENTED
THERE IS ONLY ONE FLORALIFE
ACCEPT NO SUBSTITUTE

Use original, patented FLORALIFE! Bring customers back for more of your cut flowers because they last 5 to 10 days longer! Blossoms hold color and fragrance. No need to change water or to re-cut stems. Opens buds extra wide!

Handsome, Colorful Counter Displays

FLORALIFE sells on sight at 10c to all flower lovers. A fine profit for you. Packet prices in cartons; 25 2-qt. size, \$1.25; last weeks longer! 100 2-qt. size, \$5.00.

Enclose a packet with each sale. And put it in your vase-flower orders. Also in your stock pots. FLORALIFE makes flowers, under refrigeration, last weeks longer!



BULK SIZES

FLORALIFE IN BULK

30-qt. size (\$1 retail).....	\$ 0.60
100-qt. size (\$3 retail).....	1.75
250-qt. drum (10 lbs. net).....	4.00
500-qt. drum (20 lbs. net).....	7.50
1000-qt. drum (49 lbs. net).....	13.50
2000-qt. drum (80 lbs. net).....	25.00

ACME No. 1015 INSECTICIDE AND FUNGICIDE ASSORTMENT COST \$10.15

You can now buy a complete assortment of carefully selected, quick selling insecticide specialties of the various kinds you must carry—no shelf warmers. Attractive packages, displays and scientific literature will move the merchandise into the hands of the user. The advertising will be in an envelope right in the case with the goods.

Assortment Case Contains	Item	Unit Cost	Suggested Cons. Price
12	1 lb. Acme Vegetable and Flower Garden Dust.....	\$0.26	\$0.40
6	1 lb. Acme Tomato Dust.....	.21	.35
6	2 lb. Acme Wetable Dusting Sulphur.....	.20	.35
6	1 lb. Acme Arsenate of Lead...	.22½	.35
4	1 lb. Acme Bordeaux Mixture..	.20½	.35
12	1 oz. Rotenone Garden Spray (NNOR).....	.22½	.35
Total Cost—\$10.15.		Total amount at resale—\$16.40. 38% profit on selling price.	



PORTER TWINCUT PROFESSIONAL ONE HAND PRUNER.

This pruner is drop forged from selected tool steel. The patented pivot bolt cannot tighten or loosen in use, yet can be easily adjusted. Equipped with new concealed locking device. Instantly locks or unlocks the closed tool with the touch of the thumb. 9 inch full polish. Price, each, \$3.85.



CLYDE DRAW CUT PRUNER. No. 5402 heavy duty pruner, 24 inch reinforced handles, each, \$3.50.

Rubber Hose, Couplers, Nozzles, Etc.

"AMEPCO"

GUARANTEED PLASTIC AMBER HOSE

Clear amber greenhouse hose, kink proof, crack proof, light as a feather, guaranteed for 5 years, equipped with precision machined fittings. A miracle of modern chemistry, a guaranteed plastic, originally designed and used for oil and fuel lines in war plants and battleships. The weather elements will have no effect and will not deteriorate this hose. Weighs only 25% of ordinary rubber hose making it very easy to carry where necessary. $\frac{3}{4}$ inch amber, price, 50 ft. length \$17.50 each, coupled.

VAUGHAN'S $\frac{3}{4}$ INCH WATER

HOSE. This is the finest grade of hose obtainable at this time. This is a two braid hose and is suitable for garden and greenhouse use. Price 28c per foot. Couplings, 35c per set extra. This hose can be furnished in any length. $\frac{5}{8}$ in. Single Braid Hose. Price, per 50 ft. length, \$5.00. Price, $\frac{3}{4}$ or $\frac{1}{2}$ -inch couplings, 35c per set.



SPRAY HOSE. For high pressure spraying, $\frac{3}{8}$ -in., per ft., 30c; $\frac{1}{2}$ -in., per ft., 35c.

HOSE COUPLING.

Improved Ever-Tight.

No more waste of time, just press the lever, instant tight connection. A great time saver, a coupling that every greenhouse should be equipped with. Price, complete, 65c; doz., \$6.60.

HOSE STRAPS, Cald-

well. For $\frac{1}{2}$, $\frac{3}{4}$ and 1-inch hose. Dozen, 40c; gross, \$3.75.

TRI-TWIRL SPRINKLER. The 3-way lawn sprinkler. Waters large areas. All working parts are corrosion proof brass; finger-flip adjustments; no twisting or unscrewing. This sprinkler may be used in three positions. Has a shield to protect porches, open windows and walks. Price each \$4.98; 6 for \$18.00.

BELFONT LAWN SPRINKLER.

A fountain type sprinkler. Hose attachment is brass. Will not rust. Operates on low pressure. Price each 98c; per dozen \$7.84.

MIST-IC FANSHAPED FLAT SPRAY

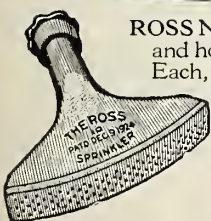
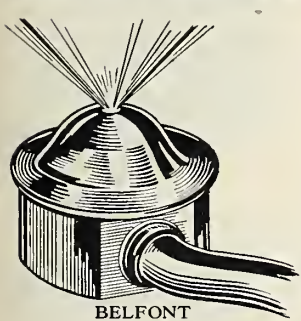
Made of plastic—light in weight and easy to handle, this slotted nozzle throws a perfect spray, an even fine fan-shaped flat spray that is just what gardeners want and need. Each, 50c; doz., \$1.00.

ROSS No. 10 SPRINKLER. Is preferred by growers and home owners; capacity seven gallons per minute. Each, 85c; doz. \$7.80.

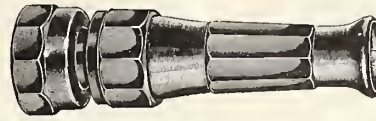
LINCOLN PARK OR BUTTERFLY

Cheapest and best sprinkler made. Each, 90c; doz., \$9.00.

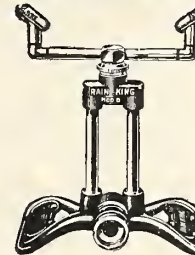
Mounted on stand: 2-foot, \$2.10; 4-foot, \$2.45; 6-foot, \$2.85.



GARDEN CLUB PLASTIC ADJUSTABLE HOSE NOZZLE.



Dark red finish. Adjustable for sprays, streams and shut-off, leak proof. It is a satisfactory wartime substitute for standard brass nozzle. Each, 75c; per doz., \$6.00.



MODEL D RAIN KING

The latest Rain King and world's greatest sprinkler value. Works on all water pressures or any spray. Sets quickly to turn fast or slow or for stationary sprinkling. Each, \$3.95.

HOTHOUSE SPRINKLER

All brass, distributes water evenly; $\frac{3}{4}$ inch connection; 3 inch face, each, 60c; 4 inch face, each, 75c.



JUSTRITE BRASS HOSE NOZZLE

For lawn and garden, can be changed from fine spray to stream. $\frac{3}{4}$ inch, each, 90c; by mail, 90c; doz., \$7.20.



Paradise Syringing Nozzle. 10-inch, each, \$2.75; 18-inch, each, \$3.25; extra tips, each, 35c.

HOSE WASHERS. $\frac{3}{4}$ -inch. Doz., 10c; gross, 50c.

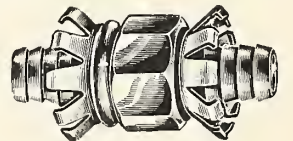
BRASS CLINCHER HOSE COUPLING.

Tight grip, will not leak, easily applied. Made with dark green plastic body. The heavily plated fingers grip the hose tightly and make a leak-proof connection. The couplings have a large octagon shaped swivel. They are easily attached. Each, 40c; doz., \$3.80.



Brass Clincher Hose Mender

Price each, 15c; doz., \$1.35.



SOIL SOAKER

Irrigation hose for deep soaking. No. 0—12 ft., each, \$1.15; six for \$5.75. No. 1—18 ft., each, \$1.50; six for \$7.90; No. 2—30 ft., each, \$2.25; six for \$11.90; No. 3—50 ft., each, \$3.50; six for \$19.50.



EROSIONET

Use Erosionet For New Lawns, Weak Lawns, and Stubborn Terraces

Made of strong open mesh fabric, will hold your seed and sod firmly in place, prevents washouts, does

not present an unsightly appearance, grass and clover soon rendering it almost invisible. Can be removed when grass becomes $2\frac{1}{2}$ in. high. Width, 45 inches. Price per yd., 13c; 100-yd. lots, $12\frac{1}{2}$ c per yd.; rolls of 250 yds., $11\frac{1}{2}$ c per yard.



NOZZLES FOR SPRAYING INSECTICIDES & FUNGICIDES.

Bordeaux Nozzle to fit a standard $\frac{1}{4}$ -inch thread adjustable from fine spray to stream. Each, \$1.25.

Vermorel Nozzle, non-clog, to fit $\frac{1}{4}$ -inch thread. Each, \$1.25.

Auto Pop Nozzle, including automatic shut-off. Each, \$1.50.

Nozzle only, without shut-off. Each, 75c.

SCOLLAY'S FAMOUS FLORISTS' SPRINKLER.

We Are General Western Agents.

None better for floral work. Beware of cheap imitations. Made of best quality of rubber and will outwear any other sprinkler on the market. Large size, plain top, No. 1, 6 in. high, each, \$1.35; 3 for \$3.90, doz., \$13.50.



Vaughan's High Grade Fertilizer

The highest grade only. Guaranteed analysis. Prices net cash.

NOTE—These prices are f. o. b. New York

ADCO ARTIFICIAL STABLE MANURE. Ceiling prices, 7½ lbs., 85c; doz., \$8.40; 25-lb. bags, \$2.00; 150-lb. bags, each \$10.50.

ALUMINUM SULPHATE. For creating acid conditions in the soil. Ceiling prices, 25 lbs., \$1.25; 100 lbs., \$3.50; 500 lbs., \$16.00.

VAUGHAN'S SPECIAL ROSE GROWER BONE MEAL. "Rose Grower." This is a special brand we have put up for our trade. It is ground fine, hence acts quickly. Free from acid, and a superb article. It is made from bone accumulated in large slaughter houses, and should not be compared with the Bone Meal made from cattle heads and feet gathered upon the Western prairies. Our "Rose Grower" Bone has been slightly steamed to soften it and is thus quicker in its action. Analysis: Nitrogen, 3.70 percent; total phosphoric acid, 20 percent. Ceiling prices, 100 lbs., \$4.00; 1,000 lbs., \$35.00.

BACTO BACTERIAL COMPOSITION. Makes fertilizer out of garbage, sewage, leaves, garden rubbish, sawdust, etc. Cheaply and quickly deodorizes outdoor toilets. Ceiling prices, 5 lbs., \$1.45; 20 pkgs. for \$19.80; 25 lb. bag, \$4.25; 4 bags for \$13.20; trial size of 10 4-oz. pkgs., \$2.50.

BONE AND BLOOD. Use one pound to bushel of soil for potting soils, one-fourth pound to square yard as top dressing. Ceiling prices, 100 lbs., \$3.25; 1,000 lbs., \$30.00; 2,000 lbs., \$58.00.

CATTLE MANURE, Shredded. High grade natural fertilizer. Ceiling prices, 100 lbs., \$2.25; 1,000 lbs., \$22.50; 2,000 lbs., \$44.50.

DRICONURE. A good fertilizer with a peat moss base impregnated with a high grade manure. Ceiling price, 50 lb. bag, \$1.90.

DRIED BLOOD. Ceiling price, \$7.50.

HYPONEX PLANT FOOD. For growing plants in soil, sand or water. Ideal for starting seeds and cuttings. 1 teaspoon makes a gallon of plant food; 1 lb. makes 100 gallons. Ceiling prices, 25c size 36 to carton, \$6.00; \$1.00 size 12 to case \$8.00; 10 lb., \$5.35; 25 lbs., \$10.00.

FULTON'S PLANTABBS. Odorless plant food in tablet form; supply a complete balanced plant food including Vitamin B-1. Put up in boxes. Ceiling prices, 10c size, doz., 72c; 25c size, doz., \$2.00; 50c size, doz., \$4.00; \$1.00 size, doz., \$8.00; \$3.50 size, each, \$2.35. Special discount of 5% on orders totaling \$6.00 to \$12.00; 10% on orders over \$12.00.

GRANULATED PEAT MOSS (Imported). Per bale of about 22 bushels. Ceiling price, \$4.00; 5 bales or more, \$3.75. Write for quantity lot prices. ½ bales, \$2.25.

ELECTRA. (F. O. B. Massachusetts). A great favorite with private gardeners and commercial growers. High in organics. Ceiling price, 100 lbs., \$6.75.

HARDWOOD ASHES. Canadian Imported. This is also a splendid fertilizer for the lawn and garden, containing all of the fertilizing elements except nitrogen. Is used on the lawn at the rate of a ton or more per acre as a first application, and annual dressing of three hundred pounds afterwards will insure a thrifty growth of dark color, exemption from ill effects of dry weather and freedom from weeds. Ceiling prices, 100 lbs., \$2.75; 1,000 lbs., \$22.00; 2,000 lbs., \$42.00.

HORN DUST. Has same effect as Horn shavings except it is immediately available. Ceiling price, 100 lbs., \$6.50.

HORN SHAVINGS, Synthetic. Quick acting and lasting. 100 lbs., \$6.00.

HY-GRO. The soluble plant food. 13-26-13. The nearest fertilizer to Nitrophaska. Excellent for forcing. If given a little counter space will bring results. Ceiling prices, 3 oz. retails 25c each, packed 12 to a display carton, \$1.80 per carton. 20-oz. retails for \$1.00, packed 12 to a carton, \$7.20 per carton. 10 lbs. retails for \$4.00, packed single carton, each, \$2.40.

LEAF MOLD. Sifted re-cleaned, put up in two bushel bag. Ceiling prices per hundred lbs., \$3.00; 1000 lbs., \$25.00; 2000 lbs., \$40.00.

MURIATE OF POTASH. 100 lb., \$4.00; 500 lbs, \$18.00; 1,000 lbs., \$35.00.

NITRATE OF SODA. 16% nitrogen. 100 lbs, \$3.50; 1,000 lbs, \$32.50.

ORCHID PEAT. Ceiling prices, two bushel bag, \$3.50 each.

SHEEP MANURE. Vaughan's Pulverized. Pure, dry, finely ground. Ceiling prices, 25 lbs., 80c; 50 lbs., \$1.25; 100 lbs., \$2.15; 1,000 lbs., \$21.00; 2,000 lbs., \$40.00.

SULPHATE OF POTASH 48%. Ceiling prices, 100 lbs., \$4.00; 500 lbs., \$18.00; 1,000 lbs., \$35.00.

SUPERPHOSPHATE. 20% available. Ceiling prices, 100 lbs., \$2.00; 1,000 lbs., \$14.00; 2,000 lbs., \$26.00.

UREA. A highly concentrated fertilizer, containing 46% available nitrogen. Clean, odorless, stainless, for flowers, vegetables, berries, shrubs, lawns, ornamental and fruit trees. 92 times stronger than manure. 100 lbs., \$7.50.

AGRICO. For Lawns, Trees, Shrubs and Flowers, 6-10-4. Ceiling prices, 5-lb., packed ten to a bale, each, 30c; retails at 45c; 10-lb. packed six to a bale, each, 53c; retails for 85c; 25-lb., packed four to a bale, each, \$1.00; retails at \$1.50; 50-lb., two to a bale, each, \$1.70; retails for \$2.50; 100-lb., \$2.75; retails for \$4.00.

AGRICO GARDEN FERTILIZER. Ceiling prices, 10 lb., packed six to a bale, each, 53c; retails for 80c; 25 lb., packed four to a bale, each, \$1.00; retails for \$1.40; 50 lb., packed two to a bale, each, \$1.55; retails for \$2.20; 100 lb., each, \$2.50; retails for \$3.50.

AGRICO. For Commercial Growing 4-12-4. A well balanced fertilizer for the commercial grower, can be used on practically everything in Greenhouse forcing or outside—neutral in its reactions. Ceiling prices, 100 lbs., \$2.70. On all Agrico we will prepay delivery on 500 lbs. or more and will allow an additional 5% Discount for ton lots.

VIGORO. A specially prepared plant food. It contains all elements plants need for healthy growth. Ceiling prices, 5 lbs., 29c; retails for 45c; 10 lbs., 56c; retails for 85c; 25 lbs., \$1.00; retails for \$1.50; 50 lbs., \$1.70; retails for \$2.50; 100 lbs., \$2.75; retails for \$4.00. 500 lbs. delivered free to your railroad station within 500 miles of New York.

VIGORO GARDEN FERTILIZER. 5-10-5. Ceiling prices, 5 lbs., 35c; retails 50c; 10 lbs., 56c; retails for 80c; 25 lbs., \$1.05; retails for \$1.45; 50 lbs., \$1.70; retails for \$2.35; 100 lbs., \$2.70; retails at \$3.70.

VIGORO FERTILIZER TABLETS. 24 tablets per box, 30 boxes in display case. Ceiling prices, case at \$1.80; retails at 10c each.

ARMOURS SPECIAL ORNAMENTAL FERTILIZER. For flowers, lawns, trees, and shrubs, 6-12-4. Ceiling prices, 25 lbs., \$1.00; retails at \$1.50; 50 lbs., \$1.70; retails at \$2.50; 100 lbs., \$2.75; retails at \$4.00.

ARMOURS GARDEN FERTILIZER. Ceiling prices, 25 lbs., 85c; retails, \$1.25; 50 lbs., \$1.45; retails for \$2.15; 100 lbs., \$2.40; retails for \$3.50.

POULTEK FERTILIZER. 4-3-2. All organic no restrictions; may be used on Lawns, Trees, Shrubs, Ideal for Vegetables, and all plants inside and outside; packed in 25 lbs. and 50 lbs. only. Ceiling prices, 25 lb., \$1.00; retails for \$1.50; 50 lbs. costs \$1.75, retails for \$3.00.

COMPO. After years of experimenting, the manufacturers of Compo, have developed this new decomposing material which should be used on all compost piles. This is a sure seller and money-making item and should be carried in all flower shops.

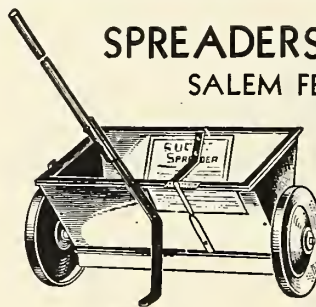
7½ lbs.—will make 375 lbs. of manure—10 to case—\$10.00 per case less 33⅓%.

25 lbs.—will make 1250 lbs. of manure—\$2.00 less 33⅓%.

100 lbs.—will make 2½ tons of manure—\$7.00 less 33⅓%.

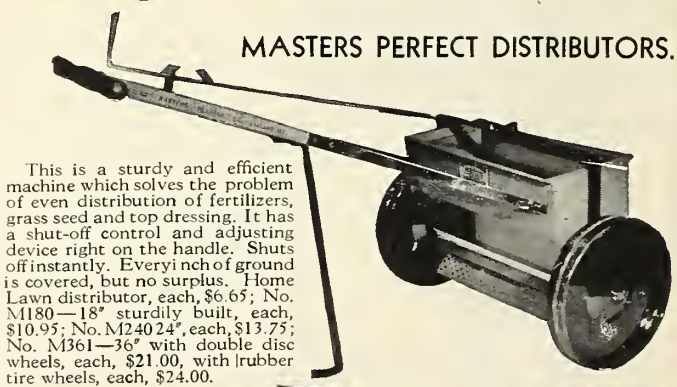
Due to limited supply of Fertilizer and materials, we are unable to list all those items that we have been selling for many years. But some may be available from time to time. We would, therefore appreciate your inquiries on all your requirements. All such inquiries will be answered the same day received.

SPREADERS AND BARROWS SALEM FERTILIZER SPREADERS



Will spread any kind of commercial fertilizer, grass seed or top dressing. Has new disc wheels, foot rest and selective feed control. 16 inch, hopper capacity about 20 lbs., price each, \$4.50; 20 inch, hopper capacity about 40 lbs., each, \$7.95; 30 inch, hopper capacity about 80 lbs., each, \$12.95. Super Heavy 36 inch, hopper capacity over 100 lbs., each, \$25.00.

MASTERS PERFECT DISTRIBUTORS.



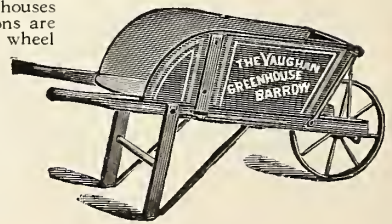
This is a sturdy and efficient machine which solves the problem of even distribution of fertilizers, grass seed and top dressing. It has a shut-off control and adjusting device right on the handle. Shuts off instantly. Every inch of ground is covered, but no surplus. Home Lawn distributor, each, \$6.65; No. M180—18" sturdily built, each, \$10.95; No. M240 24", each, \$13.75; No. M361—36" with double disc wheels, each, \$21.00, with rubber tire wheels, each, \$24.00.

MASTERS HANDI-CART

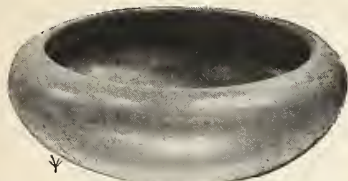
Replaces the old-fashioned wheel-barrow for every purpose. Garden work really becomes a pleasure. Just dip it down and rake grass cuttings, leaves, earth or gravel into the cart. Can also mix cement right in the cart. No. 18, size of wheels 10 in. diameter. Extreme overall width of cart 20 in. Size of hopper body 26½ x 16 x 12½ in. Price each, \$6.75. No. 2, size of wheels 10 in. diameter. Extreme overall width of Cart 25 in. Size of hopper body 27½ x 21 x 13½ in. Price each, \$8.45.

VAUGHAN'S GREENHOUSE

Made especially for use in greenhouses between the benches. Dimensions are as follows: Box, 14 in. wide at wheel end; 16 in. wide at handle end; 12 in. deep. The bottom of the box is matched and glued together, and there is no crack against which a shovel might run. Wheel is of steel, 17 in., with 2½ in. thread; the axle is 5 inches wide. Made of best material. Legs reinforced, spread of handles at hand-hold 20 in., which is extreme width of barrow. Each, \$12.00.



Bowls For Growing Bulbs



No. A. Pottery Bulb and Flower Bowl Assortment. This assortment consists of the following: 15-6" bowls, 15-7" bowls and 6-8½" bowls. The assortment retails for about \$15.00 and comes in assorted colors of yellow, blue, old rose and white. Price per complete assortment \$13.95.

F. L. Style Pottery Bowls, in Blue, Yellow, Old Rose and Green.

6-in. diam., doz., \$3.95; 7-in. diam., doz., \$4.95; 8½-in. diam., doz., \$6.25.

Pearl Chips and Prepared Fibre

For growing Bulbs in Bowls and Pots. **Bulb Fibre.** Prepared for growing Bulbs in bowls at 10 lbs., 95c; 25 lbs., \$1.75; 100 lbs., \$4.95.

Pearl Chips, White, for growing Bulbs in bowls at \$2.75 per 100 lbs.

Pearl Chips, Colored, \$3.00 per 100 lbs. Write us for prices on larger quantities. Place orders early to insure getting desired colors.

AUTOMATIC BIRD FEEDERS (Patented)

An economical feeder for all kinds of seeds, cracked corn or other small food.

If filled with sunflower seeds, it unfailingly attracts Cardinals, rose-breasted Grosbeaks, Finches and many other large as well as small pretty birds all year around.

Birds enjoy swinging with the feeder. Each, \$2.00; 3 for \$5.75.



WREN HOUSE No. 1b

This time tested stepkut house is designed to meet the needs of birds, the steps help nestlings to reach the exit, bottom removable for cleaning. Price, stained brown, each, \$1.10, 6 for \$6.00; white and green, each, \$1.35; 6 for \$7.20.

Blue Bird House No. 5 similar to the above, stained brown, \$1.00; 6 for \$5.00.



MARTIN HOUSE No. X315

Twenty compartment house, two stories high, unpainted, \$11.00. Painted two coats in white and green, \$13.00.

Twenty-eight compartment house, three stories high, unpainted, \$13.00. Painted two coats white and green, \$15.00. Crating charge \$1.00 extra.



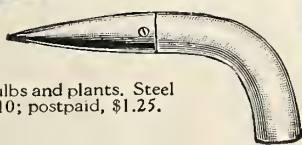
ROBIN ROOST No. 4

Robins will not occupy a nesting box, but insist on a covered sheltered shelf which allows them to see on at least three sides. Stained brown — each \$1.10; 6 for \$6.00.



DIBBER

For planting bulbs and plants. Steel point. Each, \$1.10; postpaid, \$1.25.



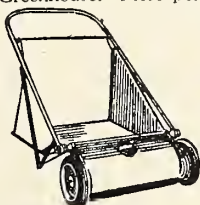
RODENT ROCKETS



...THE EASY WAY

Novel, effective destroyers; strike like a match and blitz out whole families of gophers, moles, rats, field mice, ants, etc., at one "shot." Safe, sure, efficient aids to hunters in "un-treering" holed-up woodchucks, raccoons, etc.

Packed two dozen to an attractive display carton, weight 2½ lbs. Invaluable in Nursery and Greenhouse. Price per carton of 24 rockets, \$1.50; six cartons for \$8.00.



Springfield Lawn Sweepers

28 inch with semi-pneumatic tires; each, \$48.00.



Zotox Crab Grass Killer

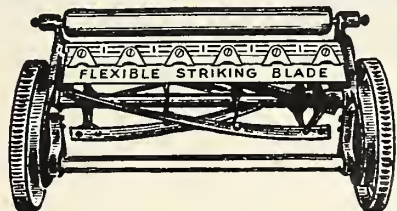
An amazing new chemical which kills both the seeds and plants of Crab Grass (Water Grass) in lawns. Prevents recurrence the following year. Not Toxic to soil. Must be applied in fall. 1 lb. treats 1000 to 2000 sq. ft. Price, 8 oz., each, \$1.00; doz., \$7.20; 16 oz., \$1.50; doz., \$10.80; 5 lbs., \$4.50.

LAWN SINOX

A selective weed killer that kills weeds without permanent injury to grass. When used as suggested will kill dandelion, plantain, knotweed, chickweed, buckhorn, and many other weeds. 1 tried, proven effective. Lawn Sinox has been used by golf courses, parks and cemeteries for weed controlling in lawns. Caution—Lawn Sinox stains hands and woolen and silk clothing. A gallon will cover 8000 square feet. price, per qt., \$2.00; \$6.00 per gal.



Flexible Striking Lawn Mower Blade



NO GRINDING, NO SHARPENING NECESSARY Flexible striking blade is made of the finest steel and heat treated for that purpose.

Being flexible it will always be in contact with the revolving blades of the "lawn-mower", thus, assuring cutting at all times, "when properly installed". Does a nice clean cutting job without any effort. Will cut wet grass just as nice as dry grass.

Promotes a more healthy growth of grass and makes lawn mowing a pleasure. Ea., \$1.75; 6 for \$9.00.



BERGMAN Lawn Mower SHARPENER

A high-grade, durable lawn mower sharpener, easy to use and adjustable to all types of machines. No danger of making low spots in the blades. Price, \$1.20; doz., \$9.60.



KEMP IMPROVED POWER SOIL SHREDDER

Prepares any kind of soil, wet, dry, or stony — for any purpose. It reduces time and labor costs from 30% to 50% over old methods; makes manure and fertilizer go further. A Kemp Shredder usually pays for itself during the first year of use.

KEMP POWER SOIL SHREDDER No. 6

Shredding heavy, wet compost made from sod and manure. Designed especially for the small grower.

Low in price and economical to operate. Powered with a ¼ H.P. electric motor that can be plugged into any electric light socket.

For use also in potting shed for shredding soil for use in flats and pots. Also a handy machine for shredding and mixing soil and manure on benches.

Specifications

Length.....38"
Width.....22"
Height at discharge end.....36"
Height at hopper.....33"
Weight.....200 lbs
Power.....¼ H.P.

Capacity—either one or two men loading hopper. Parts having most wear, the hopper, top and deflector, made from steel.

Machine shipped complete with motor and cord, ready to plug into socket and run.

Price of No. 6, complete, ready to run.....\$112.78

KEMP SOIL SHREDDERS

- No. 6 Complete with 1½ hp. Briggs & Stratton gas engine, mounted on truck with wheels.....\$117.04
- No. 6 Complete, less engine or motor, mounted on truck with wheels.....\$79.80
- No. 1 Complete, with 1½ hp. electric motor, switch and 10' of cord, mounted on truck with wheels.....\$287.28
- No. 1 Complete with 2½ hp. gas engine, mounted on truck with wheels.....\$292.60
- No. 1 Complete, less engine or motor, mounted on truck with wheels.....\$218.12
- No. 1 Less engine or motor, belt or beltshield, but with pulley for operating with tractor, mounted on truck with wheels.....\$207.48
- No. 2 Complete, with either 6 hp. gas engine or 3 hp. electric motor, switch and 10' of cord, mounted on truck with wheels.....\$430.92
- No. 2 Complete, less engine or motor, mounted on truck with wheels.....\$319.20
- No. 2 Less engine or motor, belt or beltshield, but with pulley for operating with tractor, mounted on truck with wheels.....\$308.56

Prices for machines with electric motors are for AC motors, 60 cycle, 1 and 3 phase, 110, 220, 440 volts. For special currents such as 25 cycle, prices will be quoted on request.

Attachments

- No. 1 and No. 2 Peat attachments.....\$10.64
- No. 1 Elevator attachments.....\$9.16
- No. 2 Elevator attachments.....\$79.80
- No. 1 and No. 2 Shaker screen attachments with either ¼", ⅜", ½" or ¾" round holes.....\$79.80 (F. O. B. Erie, Pa.)

SOIL SHREDDERS not available for immediate shipment. Place orders now for delivery when available. Orders placed early will be shipped first. We cannot guarantee any delivery date.

SMITH'S FLAME SHOOTER GUN

4-gal. heavy all-welded (not riveted or soldered) corrugated fuel and air tank tested to 100 lbs.; burns kerosene, range oil, stove or light furnace oil. Price complete, \$18.95 (weight 17 lbs.).



Flower Seeds in Record Breaking Demand

Vaughan's Packet Seed Assortments have a selection of flower seeds which few seed stores can equal, and flower seeds will be the "hot" item this spring. Home gardeners will tend to concentrate also on the luxury vegetables of super-quality, in which we specialize. This is a business which belongs to the florist, and Vaughan's Seeds a line which he can recommend. They are not on sale by every other outlet in your neighborhood. Make sure of your assortment by ordering early.



OUR RED, WHITE AND BLUE RACK

Attractive Two-Tone Display Rack

For 1947 our light-weight, decorative display rack will be made in combination of buff and green, which is attractive in itself and will harmonize with your store display.

Design and construction of the rack will follow the model which has proved so satisfactory last year.

The illustration shows how it holds each variety where the customer can see it.

The dimensions of this rack are: 30 inches wide, 15 inches deep, on the floor. The height is 55 inches, nicely calculated to combine maximum visibility of packets, and convenient self-service, while at the same time it does not obstruct a clear view of the store, which many feel is important.

Your new rack will be light, yet strong, easily moved about. It is made in the modern manner, of heavy matboard, and comes to you brand new. One rack will hold \$100 worth of packets.

Our New Packets. All flower seed packets of 1947 will be 3¼ by 4½ inches, same size as vegetable packets, and all racks will be interchangeable, serving for either flower or vegetable seed.

Brilliantly Colored Posters and Streamers. Color sells everything now-a-days and nowhere is it more necessary than in selling the garden. Vaughan's posters are modern, artistic, brilliant. They will dress up your store and give it the atmosphere of spring, helping business in every line.

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VAUGHAN'S SEED STORE, 601 W. Jackson Blvd., Chicago, Ill.

Please forward in due season an assortment of Vaughan's seeds for 1947.

The undersigned will pay upon request for all seeds at retail prices less 40%. He agrees to sell at such time, and Vaughan's Seed Store agrees to purchase all seeds then in good condition at retail prices less 40%. This purchase will be credited against the amount due from the undersigned.

The undersigned further agrees, when the season is ended, to destroy the display rack furnished by Vaughan's Seed Store.

Your Firm Name _____

Your Address _____

Sign here _____



This Vivid Window Streamer Printed in Five Colors Will Bring You Business—Furnished Free to All Dealers.

LARGER PROFITS IN QUALITY SEED

Lawn seed prices for the fall season have not become stabilized at the time this catalogue goes to press, and those quoted below are only approximate, subject to increase without notice. Orders will be accepted on the understanding that they will be filled at the prices prevailing at the time of shipment. Advance crop reports are pessimistic, with many predictions of a substantial advance.—Bags Included on All Grass, Gross for Net

FANCY GRASSES

All grass seed prices subject to change without notice. Orders will be booked at the lowest price on day received. Order early and avoid transportation difficulties.

KENTUCKY BLUE GRASS. Our blue grass is all re-cleaned to fancy purities with low weed content and is of high germination. **Fancy.** Purity 85%. Full bags (112 lbs.), \$67.00 per 100 lbs.; less than 112 lbs., 69c per lb.; 10 to 25 lbs., 70c per lb.

Standard. Purity 80%. Full bags (112 lbs.), \$65.00 per 100 lbs.; less than 112 lbs. 67c per lb.; 10 to 25 lbs., 68c per lb.

Extra Fancy Seed. Purity about 90%. Full bags (112 lbs.), \$73.00 per 100 lbs.; less than 112 lbs., 75c per lb.; 10 to 25 lbs., 76c per lb.

Refined Suncured Seed. Purity 97 to 98%. Full bags (112 lbs.), \$82.00 per 100 lbs.; less than 112 lbs., 83c per lb.; 10 to 25 lbs., 84c per lb.

RED TOP, Refined. Extra Re-cleaned Purity 97 to 98%. Full bags (100 lbs.), \$21.00 per 100 lbs.; broken bags, 22c per lb.; 10 to 25 lbs., 23c per lb.

Extra Fancy. Purity 95%. Full bags (100 lbs.), \$20.00 per 100 lbs.; broken bags, 21c per lb.; 10 to 25 lbs., 22c per lb.

Fancy. Purity 92%. Full bags (100 lbs.), \$19.50 per 100 lbs.; broken bags, 20c per lb.; 10 to 25 lbs., 21c per lb.

CLOVER, White Dutch.

Extra Fancy. \$105.00 per 100 lbs.; less than 100 lbs., \$1.07 per lb.; 10 to 25 lbs., \$1.10 per lb.

Choice Grades. \$102.00 per 100 lbs.; less than 100 lbs., \$1.03 per lb.; 10 to 25 lbs., \$1.05 per lb.

Put up in packages of 5 lbs. and less, write for prices.

PERENNIAL RYE GRASS. \$24.00 per 100 lbs.; broken bags, 26c per lb.; 10 to 25 lbs., 27c per lb.

POA TRIVIALIS. (Rough Stalk Meadow Grass). \$70.00 per 100 lbs.; broken bags, 72c per lb.; 10 to 25 lbs., 75c lb.

RYE GRASS Common, Native Grown. Full bags (100 lbs.), \$12.00 per 100 lbs.; broken bags, 13c per lb.; 10 to 25 lbs., 14c per lb.

CHEWING'S FESCUE. Full bags (115 lbs.), \$65.00 per 100 lbs.; broken bags, 67c per lb.; 10 to 25 lbs., 69c per lb.

CREEPING RED FESCUE. A variety of fescue superior to Chewings. 100 lbs., \$65.00; less than 100 lbs., 67c per lb.; 10 to 25 lbs., 69c per lb.

ASTORIA BENT, Certified Blue Tag. Full bags, (100 lbs.), \$110.00 per 100 lbs.; broken bags, \$1.12 per lb.; 10 to 25 lbs., \$1.15 per lb.

SEASIDE BENT, Certified Blue Tag. Full bags, \$130.00 per 100 lbs.; broken bags, \$1.32 per lb.; 10 to 25 lbs., \$1.35 per lb.

Ask for quotations on grasses not listed.

LAWN MIXTURES

Vaughan's No. 25 Lawn Mixture. 100 lb. bags, \$34.00; 1-lb. cartons (ea., 40c), \$37.00 per 100 lbs.; 5-lb. bags (ea., \$1.90), \$36.00 per 100 lbs.; 10 to 25 lbs., 36½c per lb. Retail 60c per lb.

Vaughan's "Private Estate" Bent Formula

A very fancy mixture containing an important percentage of the Bent grasses. Makes a beautiful velvety lawn. More practical than pure bent lawns.

(Retail at 95c per lb.) Price, \$63.00 per 100 lbs.; 5-lb. bags (ea., \$2.40), per 100 lbs., \$65.00; 1-lb. cartons (ea., 70c), per 100 lbs., \$66.00. Orders for 10 to 25 lbs., 65½c per lb.

SPECIAL MIXTURES

If interested in cheaper mixtures or formulas other than we list let us know and we will be glad to quote.

Vaughan's Chicago Parks

The stand-by for fine serviceable lawns for two generations, this splendid formula remains the universal favorite. The basis of this mixture is a large amount of fancy Kentucky blue grass, which is combined with other suitable grasses in the proper proportion to produce a fine permanent turf.

Prices for Chicago Parks Formula

½-lb. carton, each, 35c (Retail for 50c)	Per 100 lbs.
1-lb. carton, each, 55c (Retail for 85c)	\$56.00
2 and 3-lb. cartons	55.50
5-lb. cartons or bags (each, \$2.90)	55.00
Per 100 lbs.	

10 and 15-lb. bags	\$54.50	300 lb. lots	52.50
50 and 25-lb. bags	54.00	500 lb. lots	52.00
100 lb. lots	53.00	1000 lb. lots	51.00

Lots of 10 to 25 lbs., 55½c lb. On Larger Lots Ask For Prices. We offer this same mixture, without White Clover, under the name Vaughan's "Fairway" Mixture, at prices the same as "Chicago Parks."

Vaughan's Columbian (Shady Place Formula)

½-lb. carton, each, 40c (Retail for 55c)	Per 100 lbs.
1-lb. carton, each, 70c (Retail for 90c)	\$63.00
2 and 3-lb. cartons	62.50
5-lb. cartons or bags (each, \$3.25)	62.00
10 and 15-lb. bags	61.50
50 and 25-lb. bags	61.00
100 lb. lots	60.00
300 lb. lots	59.50
500 lb. lots	59.00
Lots of 10 to 25 lbs., 62½c lb. On Larger Lots Ask For Prices.	

Vaughan's Dense Shade Formula

Composed of grasses most suited for growing in heavily shaded situations. Is also satisfactory in moderate shade. This is an exceptionally fine shade mixture and now includes the splendid new creeping red fescue. Grass grown in the shade requires extra care. Ask for Lawn Grass pamphlet for directions.

(Retail at \$1.00 per lb.) Price, \$65.00 per 100 lbs.; 5-lb. cartons (ea., \$3.50), per 100 lbs., \$67.00; 1-lb. cartons (each 72c), per 100 lbs., \$68.00. Orders for 10 to 25 lbs., 67½c per lb.

All grass seed net cash, F. O. B. Chicago and New York and subject to price change without notice.

J. C. VAUGHAN, PRES.

CARL CROPP, V. PRES.

CABLE ADDRESS VAUGHAN, CHICAGO CAROTIDA, NEW YORK

Vaughan's Seed Store

NEW YORK 7, 47-49 BARCLAY ST.

NURSERIES, WESTERN SPRINGS, ILL.

GENERAL OFFICES AND WAREHOUSES

CHICAGO LOOP STORE 10-12 W. RANDOLPH ST.

601-609 WEST JACKSON BLVD., CHICAGO 6, ILL.

All telegrams should be addressed to Vaughan's Seed Store WUX Chicago, or WUX New York to speed handling. This insures prompt delivery to us by teletype

PRICES IN THIS CATALOGUE ARE SUBJECT TO CHANGE WITHOUT NOTICE.

Please give us your Post Office delivery zone if you are in a large city TERMS OF PAYMENT. To customers of approved credit, 60 days, except on goods always sold for cash, see other pages. Special 2 percent discount for cash in ten days from date of invoice (from these list prices only, not from "Special" mail quotations and excepting net cash items and flower seeds).

FIRST ORDERS from all firms not having an account with us should come with cash remittance to cover, from which deduct 2 percent (except on net cash items). If cash is not sent, supply bank and trade references.

POSTAGE for parcel post shipment. The prices in this catalogue except on Flower Seeds are not prepaid. Include sufficient to cover postage with cash orders. Postage will be billed on cash orders.

C. O. D. We prefer not to send goods C.O.D., but when wanted in that manner 25 percent of amount of order must accompany it.

PERISHABLE STOCK, Plants, Bulbs, etc., are POSITIVELY not sent C. O. D.

WHERE SOLD. Our stocks are sold F.O.B. Chicago, New York or Western Springs (unless otherwise stated) and we do not accept transportation risks after delivery in good order to express companies, railroads or steamship lines.

ROUTING. On each Order please give name of railroad you wish shipped by; there is no other sure way of correct routing. State distinctly: if by Mail, Express, Truck or Freight. If no routing is given, we will use our judgment but cannot be responsible for any delay or over charges.

BOOK ACCOUNTS. Customers who wish to open accounts will please supply usual bank and trade reference. If the business is a partnership or a corporation, be sure to give the names of partners or officers and signatures of those authorized to sign orders. Some individual name should be signed to all orders. A typewritten or rubber stamp signature is insufficient. We do not open new accounts for cash goods.

ORDERS FOR BULBS, ONION SETS and like perishable stock which we book in advance of shipping date are accepted by us only subject to loss by fire, rot or other accident beyond our control; we do not guarantee to supply if so lost.

INSURANCE. We insure all orders for seeds for \$2.00 and over at buyer's expense, unless instructed not to do so.

Discounts on Standard Retail Packets for Resale

In no case will a discount be allowed where the retail value of the order sent in at one time is less than \$1.00.

For orders for packet seeds to be placed in your stock and resold, discounts on prices in our SPRING RETAIL CATALOGUE will be given as follows:

25% on orders amounting to \$1.00 or more (for packets only) when less than 5 of a kind are ordered at one time.

30% on orders (for packets) from \$1.00 to \$5.00, when at least 5 of a kind are ordered.

40% on orders (for packets) for \$5.00 and over, when at least 5 of a kind are ordered.

10% on special offers and cut-rate collections, none on bulb collections.

Cash Discounts on Flower Seeds. On all orders for flower seeds, except Cyclamen seed, which is net, totaling less than \$25.00, 5%, and over \$25.00, 8%, may be deducted if cash is enclosed.

IMPOSSIBLE TO GUARANTEE CROPS.

VAUGHAN'S SEED STORE gives no warranty, express or implied, as to the productiveness of any seeds, bulbs or plants it sells; nor does it warrant fertilizers other than in respect to data required of seller by statutes. It is expressly agreed that the limit of liability for all claims for loss or damages due to any cause shall be in a sum no greater than the invoice price of the goods and in no case shall it be responsible for loss or damage of the crop.

ADVANCE ORDERS for roses, bulbs or seeds not yet grown or harvested are subject to prorate delivery in case of short crop.

STATE QUARANTINES. Plant regulations which may delay or damage plants are at customer's risk only. If your state imposes serious restrictions on plants shipped in, tell us.

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VAUGHAN'S SEED STORE

47-49 Barclay Street, NEW YORK

601 West Jackson Blvd., CHICAGO

NAME _____ Date _____ 19____
Write very plainly

Post Office _____ State _____

Street, P. O. Box
 or Rural Delivery _____

Express or Freight Office { If different } _____ Forward Goods by _____
{ from P. O. } (Parcel Post, Express, Freight or Boat)

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(SEND NO CASH OR
 CURRENCY UNLESS
 REGISTERED)

Money Order \$ _____
 Draft or Check \$ _____
 Postage Stamps \$ _____
 Cash - - - \$ _____

Make Money Orders or Checks
 Payable to Vaughan's Seed Store

Table of PARCEL POST RATES to different zones, on
 other side.
 Your local postmaster will tell you in which zone you
 reside as regards NEW YORK or CHICAGO.

More order blanks will be sent upon request. Always write letters on a separate sheet from your order.

VAUGHAN'S SEED STORE gives no warranty, express or implied, as to the productiveness of any seeds, bulbs or plants it sells; nor does it warrant fertilizers other than in respect to data required of the seller by statutes. It is expressly agreed that the limit of liability for all claims for loss or damages due to any cause shall be in a sum no greater than the invoice price of the goods and in no case shall it be responsible for loss or damage of the crop.

QUANTITY	NAME OF ARTICLE	SIZE	PRICE	
			Dols.	Cts.
Do not Abbreviate				
	CASH DISCOUNTS ON ORDERS FROM THIS CATALOGUE			
	Special Cash Discount is allowed on FLOWER SEEDS as follows: On all orders for flower seeds totaling less than \$25.00, 5%, and over \$25.00, 8%. On all other items a cash discount of 2% is allowed, except on net cash supplies. Discounts as herein specified may be deducted from remittance if cash is enclosed with order.			
	In making your order, please give the sizes and prices to avoid delay and errors.			
	Carried Forward,	lbs.	\$	

QUANTITY	NAME OR CATALOG NUMBER OF ARTICLE Where Catalog gives a Number, please order by it.	WEIGHT For Parcel Post Only	PRICE	
			Dols.	Cts.
	Brought Forward			

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Necessary
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United States

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FIRST CLASS PERMIT NO. 1184 (SEC. 510 P. L. & R.) NEW YORK, N. Y.

VAUGHAN'S SEED STORE
47-49 Barclay Street
NEW YORK 7, N. Y.

DOMESTIC PARCEL POST RATES <small>On Seeds, Plants, Bulbs, Roots, Books, Tools, etc. within the U. S. and Possessions. Effective Oct. 1, 1932.</small>	First pound or fraction	Each additional pound or fraction	This includes tax on first 33c. For larger amounts add 3% which is the equivalent of 1c for each 33c of postage. A fraction of a cent in the total amount of postage on any parcel shall be counted as a full cent.	Total Weight,	
Local—Chicago or New York City.....	8c.	1c. (2 lbs)	A fraction of a cent in the total amount of postage on any parcel shall be counted as a full cent.	_____	
First and Second Zone within 150 miles of either.....	9c.	1.1c.		_____	
Third Zone within 150 to 300 miles.....	10c.	2c.		Amount for Postage	
Fourth Zone within 300 to 600 miles.....	11c.	3.5c.		_____	
Fifth Zone within 600 to 1000 miles.....	12c.	5.3c.		Grand Total,	
Sixth Zone within 1000 to 1400 miles.....	13c.	7c.		_____	
Seventh Zone within 1400 to 1800 miles.....	15c.	9c.			
Eighth Zone all over 1800 miles.....	16c.	11c.			

Filled by _____ Checked by _____ Packed by _____
 Shipped by _____ Style of Package _____
 Date _____ Book _____ Weight _____

Wreath and Bouquet Material



GYPSOPHILA



OAK SPRAY

TIN FOIL. 5, 6 or 7 inch, 1 lb., 25c; 25 lbs., \$5.75.
Violet or Green Foil. Per lb., 45c; 10 lbs., \$4.00.

WIRE RINGS. For making wreaths.
 10 inch, per 100 \$1.35
 12 inch, per 100 1.75
 14 inch, per 100 2.00

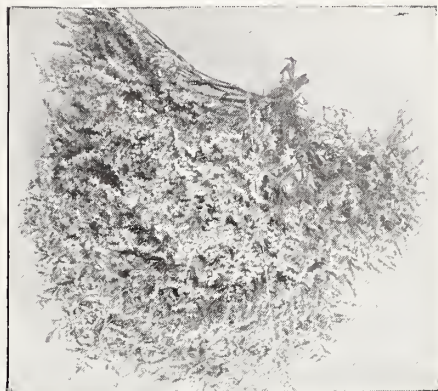
No. 9C WAXED CARNATIONS. Natural imitation, on wire stem; colors, red, pink and white. Packed 200 to box. Per box, \$8.00.



OAK BRANCHES, Prepared, Brown, Red, and Green.

Prices	Short	Long
10 lbs.	\$3.50	\$3.25
25 lbs.	8.25	7.50

Specify color when ordering
STATIC, for Basket and Wreath Work. Natural.
 1 lb., \$1.10; 5 lb. carton, \$5.00; 10 lbs., \$9.50.



STATIC

SPHAGNUM MOSS

Bright, Clean, New Growth, Free From Brush or Grass. Selected Best Grade.

BURLAPPED BALES. (48x14x16 inches) F. O. B. Wisconsin points, 10-bale lots, per bale, \$2.20; 25-bale lots, per bale, \$2.10. Write for prices on mass in large quantities, F. O. B. Woods.

BURLAPPED BALES. (Size as above) F. O. B. Chicago. Single bale, \$2.35; 10-bales, \$22.50. Write for prices on larger quantities. New York prices 35c bale higher. Cartage free.

GYPSOPHILA (Baby Breath). Pure White Flowers. Full large bunches. Per bunch, \$1.65; 10 bunches for \$15.50.

COLORED GYPSOPHILA. Rose Pink, Lavender, Green, Yellow, Blue, Gold and Red. Per bunch, \$2.10; 5 bunches for \$10.00. Prices subject to change without notice.



No. 610 WAX PAPER ROSES. Natural imitation, on short wire stem; colors, red, pink, white, yellow. Packed 200 to box. Per box, \$8.00.

No. 553 RED LACQUERED POINSETTIAS. Made of red lacquered paper, about 4 1/2 inches in diameter, 8 petals, on 3 1/2 inches wire stem. 1 doz. to a bunch, doz., 75c; gross, \$7.20.

CRINKLEBUSH. Silver Metallic, a fine lacy item used for a filler in making artificial wreaths. Very popular for silver decorations. Price, \$1.50 per lb., any quantity.



CHRYSANTHEMUM STAR FLOWERS

STAR FLOWERS (DIAMOND FLOWERS).

Small natural dried flowers, dyed in a variety of colors, suitable for all kinds of floral and decorating work. Can be had in the following colors, red, green, pink, yellow, dark blue, light blue, purple, lavender, orange, cerise, brown, dubonet, orchid, salmon, autumn color and natural white. Packed 1 oz. to bunch, 16 bunches or 1 lb. to carton. Per carton, \$3.25.

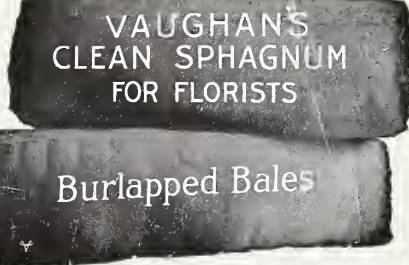
No. 5 PAPER CHRYSANTHEMUMS. Short stemmed, made of Tissue Paper, about 5 in. in diameter, on short wire stem. Colors, white, yellow and orange. 4 doz. to box, per box of 48, \$5.00.

LYCOPODIUM, Prepared and Green Dyed. 5 lb. carton, \$1.90; 10 lb. carton, \$3.45; 25 lbs., \$7.75.

TRANSPARENT RED LYCOPODIUM. Price, 5 lb. carton, \$6.00; 10 lb. carton, \$11.00; 50 lb. carton, \$49.00. Write for prices on larger quantities.

PREPARED LYCOPODEUM WREATHS. The best selling cemetery wreaths for the fall. These wreaths are made of the best prepared evergreen and the decorated are beautifully adorned with flowers.

11" Decorated, per dozen \$ 4.80
 14" Decorated, per dozen 10.80



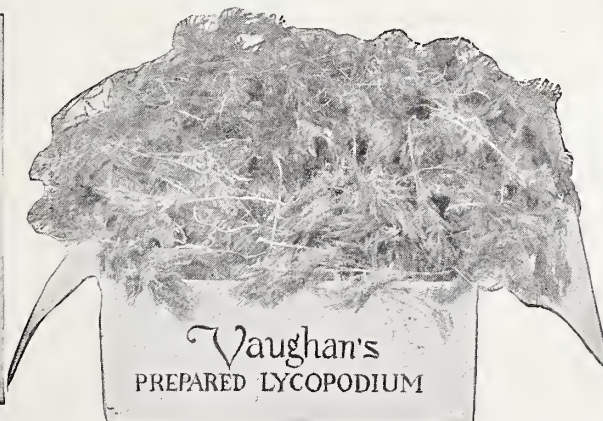
CHRISTMAS BELL CORSAGE. No. 2 is about 3 x 4 inches in size, made of a 3-part green lacquered Holly Leaf, red Holly Berries, one small natural Pine Cone, two special shaped Bells, green Lycopodium, Stem covered with rubber tape and a red Ribbon Bow, making it a most attractive looking corsage. Price, per carton 3 dozen, \$7.00.

CHRISTMAS BELL CORSAGE. No. 5 is about 2 1/2 x 3 1/2 inches in size, made of a 3-part green lacquered Holly Leaf, red Holly Berries, one special shaped bell, stem covered with rubber tape and a red Ribbon Bow, making it also very attractive looking, only a little smaller in size than the No. 2. Price, per carton of 3 dozen, \$4.95.

HOLLY BERRIES. No. 86 Red Holly Berries on wire stems, per gross, 50c; 10 gross for \$4.25.



CRINKLE BRUSH



BELL CORSAGE.



PANSIES. VAUGHAN'S SUPER SWISS GIANTS MIXED.

PANSIES

VAUGHAN'S IMPROVED SWISS GIANT MIXTURE

The flowers of this strain are of enormous size, 3 inches and over in diameter. They are perfectly round with overlapping petals, borne on strong stalks well above the remarkably luxuriant foliage. Thick petals, of a rich velvety texture, give this strain of pansy the required substance so necessary to a perfect pansy.

The superb colors and color combinations—are their distinctive feature. Excellent for greenhouse culture. Trade pkt., 60c; $\frac{1}{8}$ oz., \$1.30; $\frac{1}{4}$ oz., \$2.25; oz., \$8.00; 4 oz., \$30.00.

VAUGHAN'S SUPER SWISS GIANT MIXTURE

One of our leaders and represents the choicest strain of this popular and profitable flower. Combining the finest selections of several Pansy specialists, the perfect blending is further insured by the addition of separate colors that do not generally appear in the average mixture. Trade pkt., 75c; $\frac{1}{8}$ oz., \$1.50; $\frac{1}{4}$ oz., \$2.75; oz., \$10.00; $\frac{1}{4}$ lb., \$32.00.

VAUGHAN'S DWARF SUPER SWISS MIXED

Special selection of Geneva Giants of dwarf habit. This type, being shorter and more compact, is more suitable to plant sales. The color range is as good as that of the Improved Swiss. Trade pkt., 60c; $\frac{1}{8}$ oz., \$1.40; $\frac{1}{4}$ oz., \$2.40; oz., \$8.00.

GIANT SWISS SEPARATE SORTS

Swiss Alpenglow. Rich wine-red shades.

Swiss Berna. Dark violet-blue.

Swiss Blue (Ullswater. Thuner Sea). The most distinct rich deep ultramarine blue with darker blotches.

Swiss Coronation Gold. Flowers golden-yellow. Perfectly round flowers, slightly ruffled edges. This is the best pure yellow pansy.

Swiss Luna. Soft sulphur yellow, self without blotches, round substantial flower with frilled edge. A delicate and lovely color.

Swiss Pure White. The best pure white pansy.

Swiss Rhinegold. Canary-yellow with dark blotches.

Each of the above: Trade pkt., 75c; $\frac{1}{8}$ oz., \$1.80; $\frac{1}{4}$ oz., \$3.00; oz., \$10.00.

VAUGHAN'S MAPLE LEAF GIANT MIXED

A distinct variety we introduced several years ago, having very large leaves and flowers of gigantic size, 4 to 5 inches across, perfectly round, of heavy substance in many attractive colors and color combinations. Trade pkt., 60c; $\frac{1}{8}$ oz., \$1.60; $\frac{1}{4}$ oz., \$2.75; oz., \$9.00.

VAUGHAN'S SUPER MAPLE LEAF MIXTURE "CANADIAN GIANTS"

This strain is even finer than the preceding, with flowers of unbelievable size and texture, larger than in any other strain, the plants are also of compact growth and the extra large foliage is a rich, dark green. Trade pkt., 90c; $\frac{1}{8}$ oz., \$1.75; $\frac{1}{4}$ oz., \$3.00; oz., \$10.00.

VAUGHAN'S LONG STEMMED WINTER-FLOWERING MIXED RESELECTED

It has a much wider color range than other Winter-Flowering strains and has an excellent stem length, averaging better than 10 in. The bloom size is from $2\frac{1}{2}$ to 3 in. and the flowers are of very good substance and sweet scented. Sow in summer for Mid-winter blooming and give support early. Trade pkt., \$1.00; $\frac{1}{8}$ oz., \$2.50; $\frac{1}{4}$ oz., \$4.80.

VAUGHAN'S GIANT MIXTURE

Large flowers of good substance in a complete color range in light and dark shades. Probably the best general complete high grade mixture obtainable. Trade pkt., 50c; $\frac{1}{4}$ oz., \$2.50; oz., \$8.00; $\frac{1}{4}$ lb., \$30.00.

Delft Blue. Porcelain-blue. Trade pkt., 75c; $\frac{1}{8}$ oz., \$1.80; $\frac{1}{4}$ oz., \$3.00; oz., \$10.00.

Geneva Giant Mixed. Grown from Originator's Stock Seed. A very fine strain. Trade pkt., 75c; $\frac{1}{8}$ oz., \$1.50; $\frac{1}{4}$ oz., \$2.75; oz., \$10.00.

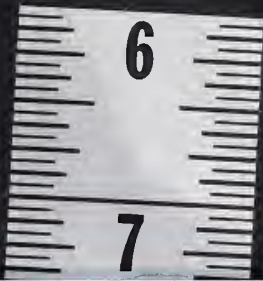
America. Ideal Bedding or Basket Pansy. Good substance with wide color range. Free-flowering. Trade pkt., 60c; $\frac{1}{8}$ oz., \$1.40; $\frac{1}{4}$ oz., \$2.40; oz., \$9.00.

Engelmann's Giant Mixture. Dark and light shades, huge flowers, compact and early flowering. Trade pkt., 75c; $\frac{1}{8}$ oz., \$1.75; $\frac{1}{4}$ oz., \$3.00; oz., \$10.00.

Jumbo Mixed. Extra large and early; long stemmed flowers. Trade pkt., 75c; $\frac{1}{16}$ oz., \$1.40; $\frac{1}{8}$ oz., \$2.25; $\frac{1}{4}$ oz., \$4.00; oz., \$14.00.

Masterpiece—Giant Curled. The colors are superb, mostly red and brown shades. Trade pkt., 50c; $\frac{1}{4}$ oz., \$1.80; oz., \$6.00.

Oregon Giants (Originator's Stock). A fine strain of giant ruffled pansies. The large flowers of heavy texture have a delicate fragrance and come in all shades and coloring. Long stems and luxuriant foliage. Pkt. 200 seeds, 50c; pkt. 500 seeds, \$1.00; 3 \$1.00 packets for \$2.00; $\frac{1}{2}$ oz., \$6.00; oz., \$12.00.



Book for florists : autumn 1946

Vaughan's Seed Company;Henry G. Gilbert Nursery and Seed Trad
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Jan 15, 2014

