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*Darwin
Tulip Quintette*

Prices Prepaid

- 5 bulbs, one of each.....\$ 0.90
- 15 bulbs, 3 of each..... 2.00
- 60 bulbs, 12 of each..... 6.00
- 120 bulbs, 24 of each..... 11.50

Varieties illustrated reading from left to right, clockwise:

Prepaid Prices
Doz. 100 250

Scotch Lassie,			
Darwin,	\$1.50	\$10.50	\$23.75
Golden Age,			
Darwin,	1.45	10.00	22.50
Glacier, Darwin,	1.85	13.00	31.25
Red Pitt, Darwin,	1.45	10.00	22.50
Faust, Darwin,	1.50	10.50	23.75

Vaughan's **SPRING FLOWERING BULBS—1949**
10 W. RANDOLPH ST., CHICAGO—47 BARCLAY ST., NEW YORK

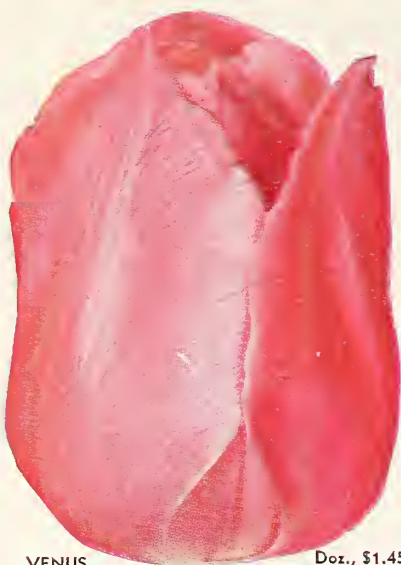
Color Scheme

Group of Ten Giant Tulips

One 1st size bulb
of each variety
illustrated on this
page, prepaid **\$1.50**

Three each 30 Bulbs for \$ 3.00
Twelve each 120 Bulbs for 12.00
Twenty-Four each 240 Bulbs for 23.50

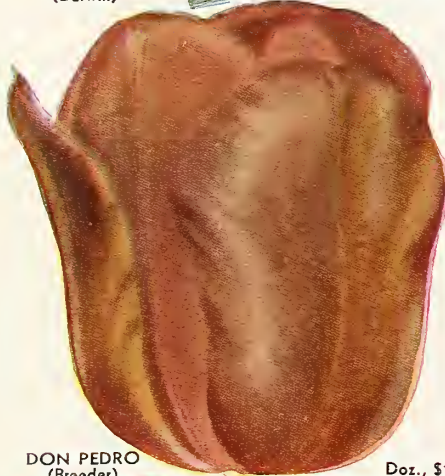
The complete range of color available in the tall, late, giant tulips, is well illustrated on this page. All are outstanding varieties, judged by performance under American conditions. Each is in the front rank of its color-class and a variety which every garden should have. All flower at the same time. Don Pedro, coffee colored Breeder variety, is the most fragrant of all tulips, as well as being one of the few brown flowers in existence. A planting of these tulips will bring to the May garden a variety and brilliance of color which it will be difficult to equal with any later flowers.



VENUS
(Darwin) Doz., \$1.45;
100, \$10.00; 250, \$22.50



CHAS. NEEDHAM
(Darwin) Doz., \$1.50;
100, \$10.50; 250, \$23.75



DON PEDRO
(Breeder) Doz., \$1.60;
100, \$11.00; 250, \$25.00



ZWANENBURG
(Darwin) Doz., \$1.40;
100, \$9.50; 250, \$22.50



ECLIPSE
(Darwin) Doz., \$1.50;
100, \$10.50; 250, \$23.75



MARJORIE
BOWEN
(Cottage) Doz., \$1.50;
100, \$10.50; 250, \$23.75



PRINCESS
ELIZABETH
(Darwin) Doz., \$1.40;
100, \$9.50; 250, \$22.50



BLUE EAGLE
(Darwin) Doz., \$1.50;
100, \$10.50; 250, \$23.75



MRS. J. F. SCHEEPERS
(Cottage) Doz., \$1.45;
100, \$10.00; 250, \$22.50



LOUIS XIV
(Breeder) Doz., \$1.60;
100, \$11.00; 250, \$25.00



Vaughan's Famous

RAINBOW GARDEN OF ST.

48 Flowering Size Bulbs, eight each of six named varieties, separately bagged and labeled. Prepaid.

96 bulbs, 16 each of these six named varieties, prepaid.

192 bulbs, 32 each of these six named varieties, prepaid.

600 bulbs, 100 each of these six named varieties, in original.

This is not a mixture. Each of the six named varieties comes in a separate package. We will send you a separate card to plant each bulb with full knowledge of its color—and arrange them for a planned effect.

Tulips are especially adapted to color-scheme planting. Each of the rainbow colors enhances the beauty of its neighbors, while in turn it acquires new charm because of its companions. Only with labeled bulbs is such careful planting possible, since in a mixture, bulbs cannot be identified, and their arrangement is a matter of chance.

Tulips are the first flowers to bloom in the spring that include all rainbow colors. So varied is their color range, it is possible to produce a show in the May garden, which cannot be surpassed by later blooms. To enable every garden to take advantage of this opportunity, we have for many years made our rainbow collection the best fall bulb value available to home gardeners.

Each variety is outstanding in its color-class. Nor does the low price mean small bulbs—they measure 11-12 centimeters in circumference and bear flowers of the largest size.

Yellow

Golden Age, Darwin. One of the newest yellow Darwins, with a distinct new color—bright gold. Its large flower is borne on a 29-inch stem. Of exquisite shape (see front cover) a group of this variety will glow in the spring sun and lend brilliance to its companions.

Pink

Prunus, Darwin, rose pink. A sport or mutant from the red Darwin tulip **Bartigon**, it has the size and vigor of its parent. Its giant, cup-shaped flower is a delightful soft pink, beautiful both in the garden and in cut flower arrangements.

Red

City of Haarlem, Darwin. Since this magnificent flower was introduced, it has been unquestioned king of the reds. Its huge flower, on a 27 inch stem, is deep cardinal red, shading to scarlet at the edge, unfading in the brightest sun. A blue base, circled with white, is visible inside the cup.

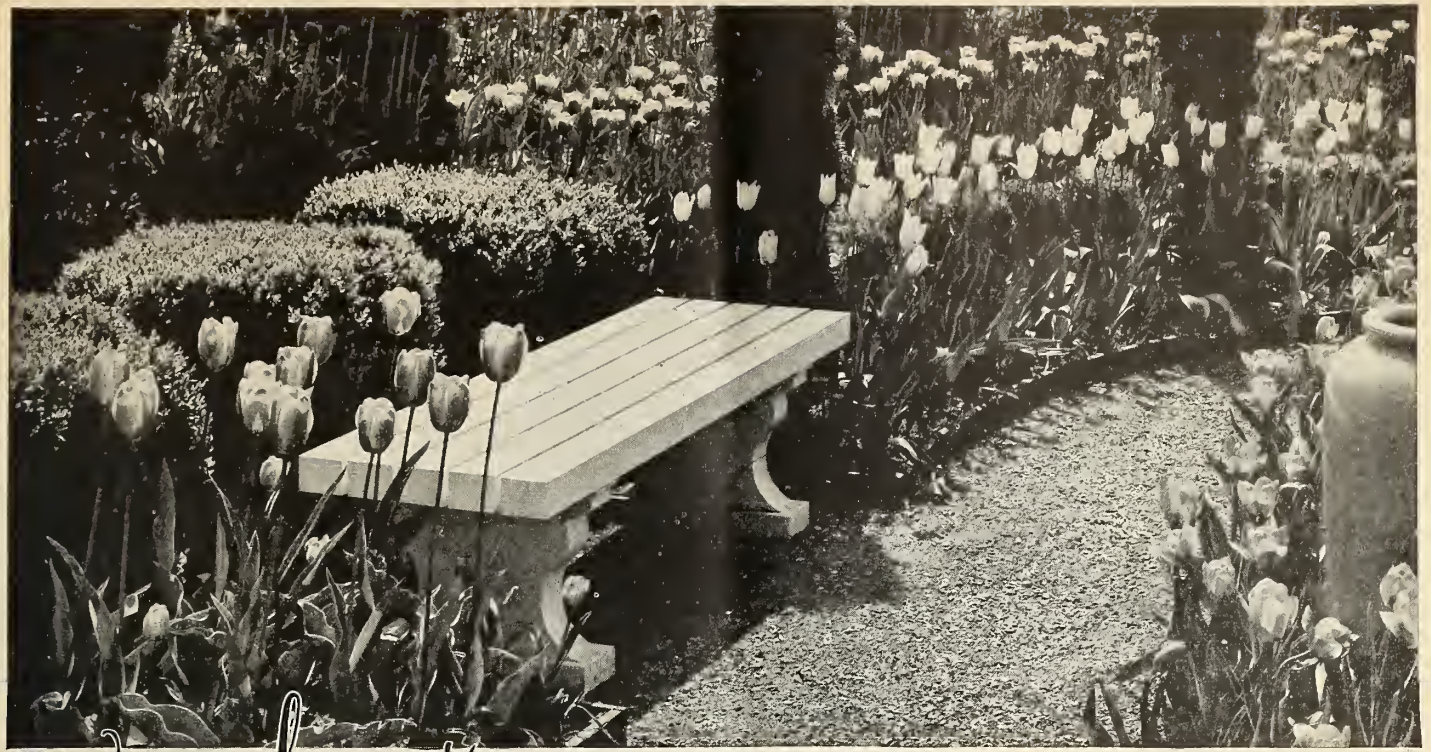
Gloria Swanson, Darwin. Borne on a 32 inch stem of exceptional strength, this giant flower is crimson with a bluish base. Yet this description cannot convey an idea of its unique beauty, of form and color, and its difference from **City of Haarlem**. Each has an individual indescribable charm.

Orange

Dillenburg, Breeder. The best examples of orange coloring are found among the Breeder tulips, where rich blends rather than primary hues are the rule. In this huge flower, 27 inches tall, it is blended with salmon and rose, in a glowing-bronze effect.

White

Kansas, Darwin Hybrid. Large snow white flower, with yellow center, bred by crossing a Darwin tulip with an early variety. It has the size, and cup shape of the Darwins, and is borne on a 22 inch stem. It blossoms 10 days earlier than other giant whites.



Vaughan's Tall, Late, Giant Tulips

ALL varieties of the tall, late-flowering giant tulips are likely to be grouped in popular language as "Darwin tulips". They are often sold that way, though among them there are several clans, each having definite family resemblances, of which the Darwin, Darwin hybrids, Cottage and Breeder are most numerous.

All these bloom about the same time, and harmonize perfectly in garden plantings. They can be selected by color, height, and form for use in the garden border without regard to their ancestry. The distinction between these various clans tends to become less definite, as they are interbred by growers seeking improved varieties. We continue to list each tulip clan separately, however, to aid you in identifying favorite varieties, and also to give additional descriptive information. For an interesting planting varieties of all types should be used.

Planning a tulip garden is made easy by the fact that you may count so surely upon each flower blooming as planned. The height, color and flowering season are all so dependable, it is a pleasure to plan a color effect and see it develop in the spring, just as planned.

Imports from Holland will constitute most of the bulbs available to Americans this fall. Of these we are one of the largest importers, and have purchased the cream of the crop.

All America Collection

100 GIANT \$ 10 TULIPS

Ten each of the following outstanding varieties. (100 bulbs) will be sent postpaid for \$10.00.

- Bacchus. Purple-blue
- President Taft. Deep crimson
- City of Haarlem. Cardinal Red
- Prunus. Rose-pink
- La Tulip Noire. Black-purple.
- Mrs. John T. Scheepers. Clear chrome yellow.
- Mother's Day. Soft yellow
- Princess Elizabeth, largest pink.
- Mount Erebus. White.
- The Bishop. Deep violet.

This collection of 100 bulbs of wonderfully blended colors will provide your garden with a display of which you may well be proud.

Darwin tulips are characterized by a soft overtone which gives their colors a pastel effect. The flowers are cup-shaped and carried on tall, stiff stems. In color range they include all the rainbow hues, in amazing variety. Yellow, which long was missing from the Darwins, is now represented by several fine varieties; and new varieties include splendid giant whites.

Included in the variety lists on this and the following pages are many newly introduced varieties which show improvement in color, height, size or in some other important respect. But we retain the best of the old varieties, many of which may never be surpassed

Red Darwins

Bartigon. (22 in.) Large flowers of fiery crimson with bright scarlet margin. One of the best of its color. Doz., \$1.25; 100, \$8.20; 250, \$18.00.

Charles Needham. (28 in.) Large, glowing vermilion-red, extra novelty. Doz., \$1.50; 100, \$10.50; 250, \$23.75.

(Illustrated in Color on Inside Front Cover)

City of Haarlem. (27 in.) Considered by many always be depended upon to make an excellent show, with its immense cups of cardinal red, shading to scarlet at edges. Doz., \$1.50; 100, \$10.50; 250, \$23.75.

Eclipse. (27 in.) Rich, glowing dark red, with a blue base circled by white. A giant tulip of good form on a tall, strong stem, which does not easily snap in stormy weather. Doz., \$1.50; 100, \$10.50; 250, \$23.75.

(Illustration in Color on Inside Cover)

Farncombe Sanders. (25 in.) Fiery rose scarlet, inside vivid cerise-scarlet with white center marked blue; flowers perfectly shaped. Doz., \$1.45; 100, \$10.00; 250, \$22.50.

Gloria Swanson. (32 in.) An enormous crimson-red, with bluish base. Very strong stem, flower has great lasting qualities. This is really a giant in the garden, also an excellent early forcing variety. Doz., \$1.45; 100, \$10.00; 250, \$22.50.

Margaux. (30 in.) Tremendous flower, deep wine red, broadly edged with lighter shade blue base, carried on a strong stiff stem. Rich and intriguing. Doz. \$1.50; 100, \$10.50. 250, \$23.75.

DARWIN, Red—Continued

President Taft. (27 in.) (Sealing Wax.) Deep crimson-maroon, superb for border and one of the most beautiful varieties for late forcing. Doz., \$1.50; 100, \$10.50; 250, \$23.75.

Pride of Haarlem. (28 in.) Vivid rose. An old standby that is deserving of a place in the best gardens. Unsurpassable for fine coloring, reliable performance and enormous flower. Doz., \$1.40; 100, \$9.50; 250, \$21.25.

Red Pitt. (24 in.) Bright scarlet form of Wm. Pitt. Excellent for forcing as well as for bedding. Doz., \$1.45; 100, \$10.00; 250, \$22.50.

(Illustration in Color on Front Cover)

Scarlet Beauty. (28 in.) Beautiful fiery scarlet, one of the best Darwin Tulips for outside planting, possessing a straight, strong stem and a flower that lasts long. Doz., \$1.50; 100, \$10.50; 250, \$23.75.

Utopia. (26 in.) Brilliant cherry-red. One of loveliest new Darwin Tulips for forcing. Far better than Wm. Pitt. A good garden variety. Doz., \$1.45; 100, \$10.00; 250, \$22.50.

Pink and Rose Darwins

Afterglow. (26 in.) All the splendor of a glorious sunset is suggested by this wonderful tulip with its deep orange tints suffused with salmon, and edged apricot orange. Tall, stately grower. Doz., \$1.50; 100, \$10.50; 250, \$23.75.

Aristocrat. (30 in.) This is a magnificent garden Tulip of recent introduction, very tall with very large carmine Rose lighter edge flowers, truly an aristocrat among tulips. Doz., \$1.65; 100, \$11.50; 250, \$26.25.

Clara Butt. (20 in.) Newer and larger pinks may be found, but Clara Butt remains a favorite. It is a true pink, wholly free from lavender, rare color and a charming flower. Doz., \$1.50; 100, \$10.50; 250, \$23.75.



Darwin Tulips



PLANT DARKER TULIPS WITH BRIGHTER COLORS TO BRING OUT THEIR RICH BEAUTY

*Mixture of
Darwin Tulips*

Vaughan's Special, made up
by ourselves from best varieties,
First size, 25 for \$2.50; 50 for
\$4.50; 100 for \$9.00.

Violet, Black and Purple

Bleu Aimable. (26 in.) Bright violet-purple, with distinct steel blue shading inside dark violet-purple with blue base starred white; a very distinct and handsome tulip of large size and shapely form. Doz., \$1.50; 100, \$10.50; 250, \$23.75.

Blue Eagle. (29 in.) Black Eagle Extra large and most intense deep but brilliant purple. Doz., \$1.50; 100, \$10.50; 250, \$23.75.

(Illustrated in Color on Inside Front Cover)

Demeter. (28 in.) Of a warm, reddish purple the medium sized flowers of this variety provide a unique color-note for the border planting. Doz., \$1.60; 100, \$11.00; 250, \$25.00.

Faust. (30 in.) Dark satiny purple with blue base, very large and well formed good freer. Doz., \$1.50; 100, \$10.50; 250, \$23.75.

(Illustrated in Color on Inside Front Cover)

Greuze. (26 in.) Large cup shaped flower of bluish-violet. Very showy in the garden. Doz., \$1.40; 100, \$9.50; 250, \$21.25.

Insuperable. (27 in.) A mammoth lilac of great substance carried on a tall, strong stem. One of the best of this color for the garden or for early February forcing. Doz., \$1.65; 100, \$11.50; 250, \$26.25.

Jubilee. (28 in.) A magnificent blue-purple tulip. The flower is beautifully formed, deep rich bluish-violet. A flower of great beauty and long-keeping qualities. Doz., \$1.60; 100, \$11.00; 250, \$25.00.

La Tulipe Noire. (25 in.) Nearest of all to the black color. Doz., \$1.50; 100, \$10.50; 250, \$23.75.

Queen of the Night. (28 in.) One of the darkest Tulips ever introduced. A real Black Tulip or rare beauty. Large flower on tall stiff stem. Doz., \$1.75; 100, \$12.00; 250, \$27.50.

Rev. H. Ewbank. (29 in.) An exquisite shade of soft lavender-violet, slightly shaded silver-gray. A variety of great merit on account of its lovely color. Doz., \$1.50; 100, \$10.50; 250, \$23.75.

Scotch Lassie. (29 in.) Of purest deep lavender dark blue base. Among the best lavenders in our collection. Doz., \$1.50; 100, \$10.50; 250, \$23.75.

(Illustrated in Color on Front Cover)

The Bishop. (29 in.) A magnificent flower of clear, deep violet, with a blue base circled by a white halo. A beautiful garden variety. Doz., \$1.65; 100, \$11.50; 250, \$26.25.

William Copeland. (25 in.) (Sweet Lavender). Outside this variety produces flowers of fine rose lilac, but is at its best when grown indoors during the winter. When forced indoors the flowers are the purest lavender of all tulips. Doz., \$1.25; 100, \$8.20; 250, \$18.00.

White and Red Hybrid

Ossi Oswald. (28 in.) One of the new hybrids uniting the brilliant color of the Cottage plant with the size and shape of the Darwin. This is a variety of extraordinary size and beauty. It is pure white, with a picotee edging of bright cherry red, and attracts instant attention and admiration. The flowers are of the Darwin type, and have lasting quality when cut. Doz., \$1.60; 100, \$11.00; 250, \$25.00.

PINK AND ROSE DARWINS—Continued

King George V. (28 in.) An immense flower of brilliant rose with a light blue base. The color is dazzling in its brilliance, and this is without doubt one of the finest and most beautifully formed Darwins. Doz., \$1.50; 100, \$10.50; 250, \$23.75.

Mr. Van Zyl. (30 in.) Glorious dark rosy pink with a border somewhat paler. A new Darwin Tulip very much admired in our Trials on account of its striking color, large size, and excellent texture. Doz., \$1.50; 100, \$10.50; 250, \$23.75.

Philip Snowden. (25 in.) Delicate rose, very large flower. Doz., \$1.25; 100, \$8.20; 250, \$18.00.

Princess Elizabeth. (26 in.) (Syn. Julie Vinot.) Large flower; soft rich rose coming to silvery rose at edges. Inside deep rose, white base. One of the largest and finest pinks. Doz., \$1.40; 100, \$9.50; 250, \$22.50.

(Illustrated in Color on Inside Front Cover)

Princess Mary. (28 in.) Bright carmine-rose with margin of rose-pink; inside clear carmine-rose with blue base and white hair. One of the largest flowers in this color. Doz., \$1.65; 100, \$11.50; 250, \$26.25.

Pride of Zwanenburg. (20 in.) Rose-pink, light red, very large flower of strong texture, on strong stem. Doz., \$1.50; 100, \$10.50; 250, \$23.75.

Prunus. (25 in.) A delightful rose-pink with salmon glow well formed flower on a strong stiff stem. Very fine for bedding or late forcing. Doz., \$1.25; 100, \$8.20; 250, \$18.00.

Rose Copeland. (27 in.) A very fine lilac-rose color, can also be forced. Doz., \$1.25; 100, \$8.20; 250, \$18.00.

Venus. (32 in.) One of the most wonderful tulips of recent introduction. The large flower is of exquisite rose, with a white center slightly edged light blue. The entire flower bears a beautiful silvery sheen. The stem is always long and strong, making it a grand exhibition variety. Doz., \$1.45; 100, \$10.00; 250, \$22.50.

(Illustrated in Color on Inside Front Cover)

Yellow Darwins

Golden Age. (20 in.) Among the many new yellow Darwin Darwins of recent introduction, this giant variety is quite the finest. It is a bright golden orange—distinctly a new shade in yellow Tulips—and a fine, strong grower with exquisitely shaped flowers. Doz., \$1.45; 100, \$10.00; 250, \$22.50.

(Illustrated in Color on Front Cover)

Niphetos. (30 in.) Light lemon yellow turning to creamy-white as flower ages; perfect form, well lasting. Doz., \$1.40; 100, \$9.50; 250, \$21.25.

Yellow Giant. (29 in.) This was the first yellow duced; and the flower has the true Darwin cup-shape. It is large, produced on tall, strong stems, and completes the color balance in Darwin planting. Doz., \$1.25; 100, \$8.20; 250, \$18.00.



TULIP ZWANENBURG WHITE DARWIN

White Darwins

Glacier. (28 in.) A giant white with white base and anthers, oval shaped with substantial petals. Does not open as wide as most Tulips do when placed in warm room. We do not know of another tulip of its size and with same lasting qualities. Doz., \$1.85; 100, \$13.00; 250, \$31.25.

(Illustrated in Color on Front Cover)

Zwanenburg. (28 in.) Pure white with black anthers. Large flower, highly recommended for both bedding and forcing. Doz., \$1.40; 100, \$9.50; 250, \$22.50.

(Illustrated in Color on Inside Front Cover.)

Lacinated Darwin

Sundew. (25 in.) This flower is something entirely new in tulips. The curved petals are provided with bars, giving the edges of the flower a fringed effect. It is said to be a natural sport of the popular variety Barton, retaining the brilliant crimson coloring and magnificent size of its parent. Doz., \$1.45; 100, \$10.00; 250, \$22.50.

All shipments of flowering bulbs ordered from this catalogue at dozen or less than dozen rates will be prepaid.

Orders at 100 rate will be shipped by express, charges collect, except that special offers will be prepaid when it is so specified in the offer.

New Giant Cottage Tulips

MOST NEW tulips introduced since the war have been of the Cottage clan. By crossing with other types, their clear, bright colors have been united with giant size, so that the largest of all tulips are found among new Cottage hybrids. We list these new varieties, and older ones which are still unsurpassed, in their color classes.

Cottage tulips should be included in every tulip planting. They harmonize perfectly with Darwin and Breeder varieties, and supply a quality of brilliant color which the others need, to set off their softer tones. Some blossom a little later than the Darwins, carrying the tulip season well into the early days of June.



COTTAGE, DARWIN AND BREEDER TULIPS BLOOM TOGETHER

Red and Orange Cottage

Advance. (28 in.) This is the largest of all tulips, with a strong stem which holds the huge flower upright. It is an orange scarlet, with black center, which grow more vivid in color and larger in size as the flower develops. As an exhibition flower it is not surpassed, and it is outstanding in any garden. Doz., \$1.45; 100, \$10.00; 250, \$22.50.

Grenadier. (20 in.) Magnificent light orange. When the sun shines on a fully expanded flower of this variety the color is dazzling. Flower long, on graceful stem. Doz., \$1.45; 100, \$10.00; 250, \$22.50.

Marshall Haig. (30 in.) Among the new Tulips this ranks supreme as being one of the finest brilliant self-red colors. A flower of magnificent size and texture and much admired on account of its brilliant tone. Doz., \$1.60; 100, \$11.00; 250, \$25.00.

Mazeppa. (23 in.) Bright cocheneal-red, large white center. Novelty. Doz., \$1.50; 100, \$10.50; 250, \$23.75.

Pink and Rose Cottage

Barbara Pratt. (32 in.) Rich light cochineal carmine, edges lilac-rose. A very beautiful tulip with slightly reflexed petals. Highly recommended. Doz., \$1.50; 100, \$10.50; 250, \$23.75.

Dido. (26 in.) Superb in form, poised erect on a straight stem, and fragrant. It is a deep, rich pink with salmon lights, suffused and slightly edged orange. Doz., \$1.45; 100, \$10.00; 250, \$22.50.

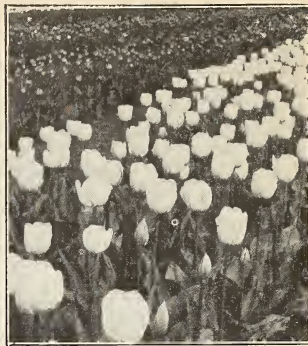
Marjorie Bowen. (24 in.) A very unusual combination of buff and salmon which passes to deep rose-pink with salmon shading. A charming blend. Doz., \$1.50; 100, \$10.50; 250, \$23.75.

(Illustrated in color on Inside Front Cover.)

Rosabella. (18 in.) This graceful tulip can be compared to the loveliness of a rose-pink in color, it possesses great charm both as a cut flower and in the garden. Doz., \$1.50; 100, \$10.50; 250, \$23.75.



TULIP ADVANCE, LARGEST OF ALL



GOLDEN HARVEST, LARGEST YELLOW TULIP

Yellow Cottage

Belle Jaune. (30 in.) Fine deep yellow, a very large and long flower of excellent form. Doz., \$1.50; 100, \$10.50; 250, \$23.75.

Golden Harvest. (28 in.) This is the largest yellow tulip that we offer and perhaps the largest of all yet developed. It blooms early and its flowers last through a long season, growing in size and beauty. Its color is a deep yellow with petals of great substance, broad on tall, stiff stems. We know of no yellow that equals it. Doz., \$1.25; 100, \$8.20; 250, \$18.00.

Inglescombe Yellow. (18 in.) A fine large, cup-shaped flower, color full rich yellow. Doz., \$1.25; 100, \$8.20; 250, \$18.00.

Moonlight. (20 in.) Long, narrow flower of beautiful pale yellow. Opens two or three days sooner than most yellow Cottage tulips. Doz., \$1.50; 100, \$10.50; 250, \$23.75.

Mrs. Moon. (26 in.) This is one of the finest late yellow tulips in existence. The blooms are long and pointed, outer petals reflexed. Distinctly perfumed. Doz., \$1.50; 100, \$10.50; 250, \$23.75.

Mother's Day (Lemon Queen) soft pure yellow coloring of this variety is of exactly the tone which harmonizes delightfully with pink and red as well as lavender. Doz., \$1.25; 100, \$8.20; 250, \$18.00.

Mrs. John T. Scheepers. (30 in.) Clear chrome-yellow crest, tall stem. Enormous oblong flower. One of the largest of yellow tulips. Doz., \$1.45; 100, \$10.00; 250, \$22.50.

(Illustrated in Color on Inside Front Cover.)

White Cottage

Albino. (22 in.) A fine pure white, with large flower, which has rounded petals. It blooms early and last long in good condition, and is most effective in border grouping. It is a favorite with florists for early forcing. Doz., \$1.65; 100, \$11.50; 250, \$26.25.

Carrara. (22 in.) Having rounded rather than pointed petals, this pure white variety is exceptionally large and resembles the Darwin type. It is not as early as Albino, and combines well with all types of tall, late tulips in border plantings. Doz., \$1.45; 100, \$10.00; 250, \$22.50.

Mount Erebus. (30 in.) Creamy-white flower, clear base, sulphur anthers. Turning pure white with age. Doz., \$1.65; 100, \$11.50; 250, \$26.25.

MIXTURE

Cottage Tulips

Vaughan's Special

An excellent collection of named varieties, giving a dazzling display in mass. Splendid for cutting. Doz., \$1.25; per 100, \$8.20; 250, \$18.00.

Rembrandt Tulips

American Flag. Dark red with broad white lines and blue base. So named because the color resembles the American Flag. A new novelty. Doz., \$1.75; 100, \$12.00; 250, \$27.50.

Cordell Hull. A splendid new novelty which becomes more beautiful as the flower opens. It is a combination of silvery white and blood-red stripes, making a very striking effect. Highly recommended for decorative purposes. Doz., \$1.35; 100, \$9.00; 250, \$20.00.

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Breeder Tulips



Breeder Tulips Combine Perfectly with Darwin and Cottage in Border Plantings



TULIP RED EMPEROR

FROM Breeder tulips, most of the tall, large flowered types have been developed. These were the "mother bulbs" of ancient Dutch breeders, grown not for their own rich beauty, but because among them would appear flowers of the striped and blotched coloring then esteemed so highly.

These stripes and blotches are now known to have been caused by a virus disease; and the Breeder tulips are valued for their own beauty. Among them are some of the tallest and largest varieties of all, and many colors rare among flowers—browns, bronzes, purples, dull gold and dark lilac, exquisitely blended. One of the most fragrant of all tulips is Don Pedro, a coffee-brown.

Alice Keith. (27 in.) Very bright orange-yellow edged golden with small olive green base. Large flower on strong stem. One of the finest Breeder Tulip for bedding. The flower becomes more beautiful as it ages. Doz., \$1.60; 100, \$11.00; 250, \$25.00.

Bacchus. (28 in.) Though introduced over 300 years ago, it has no superior in clear, richness of color and beauty of form. The color is very similar to the purple of Concord grapes. Doz., \$1.65; 100, \$11.50; 250, \$26.25.

Cherbourg. (30 in.) Undoubtedly one of the finest Breeder Tulips. A deep tone of golden yellow, with a suffusion of terra cotta, the deeper tone of yellow growing stronger toward the edges of the petals. Doz., \$1.60; 100, \$11.00; 250, \$25.00.

Dillenburg. (27 in.) A glorious salmon orange, shaded rose. The flowers are large and borne on strong, stiff stems. Highly recommended for exhibition purposes but should not be used for early forcing. Doz., \$1.50; 100, \$10.50; 250, \$23.75.

Don Pedro. (27 in.) A beautiful shade of coffee-brown, shaded maroon, inside rich mahogany. It is one of the few fragrant tulips, with a strong but delightful odor that perfumes the garden. Doz., \$1.60; 100, \$11.00; 250, \$25.00. (Illustrated in Color on Inside Front Cover)

Louis XIV. (36 in.) Considered by many good judges to be the finest of all tulips. Others may match it in height, in size, or in rich coloring; but a rival which equals it in all these qualities is yet to appear. In the garden it is always magnificent, and as a cut flower its rich blend of purple and gold is truly royal. Doz., \$1.60; 100, \$11.00; 250, \$25.00. (Illustrated in Color on Inside Front Cover).



TULIP INDIAN CHIEF, BREEDER

Indian Chief. (38 in.) The flower is enormous, very widely opened and squarely built. The flower is mahogany red in color, the petals are of very heavy texture, the stem extremely heavy and straight as a ramrod. A magnificent flower of richest coloring. Doz., \$1.65; 100, \$11.50; 250, \$26.25.

Lucifer. (28 in.) Most beautiful of the orange-red tulips. Very late flowering, tall stem, and very brilliant color. Good form and excellent substance. Doz., \$1.60; 100, \$11.00; 250, \$25.00.

Panorama. (24 in.) (Fairy) Rich deep red of beautiful form, strong stem and good substance. Excellent cut flower. Doz., \$1.50; 100, \$10.50; 250, \$23.75.

Prince of Orange. (25 in.) Orange-scarlet, edged light yellow flower of striking beauty. Doz., \$1.60; 100, \$11.00; 250, \$25.00.

Species Tulips

The general characteristics of the various species, all of which are natives of Asia Minor and Central Asia, are bright colors recurved petals and early flowering.

Red Emperor. (Fosteriana) Fosteriana is a majestic tulip of great size; the dazzling scarlet flowers are borne upon stout stems, 18 inches and even as much as 24 inches high. Vermilion will perhaps best describe their intense and lovely color. Drainage must be perfect, and the sunniest place possible should be apportioned to it. It flowers in late April. Each, 20c; Doz., \$2.00; 100, \$14.00; 250, \$33.75.

Clusiana "Lady" or "Candystick" Tulip, Outer petals bright cherry red, inner petals creamy white, with violet base; small flower, but very distinct. It should be planted in light soil 6 or 9 inches deep, in the rock garden or among stones in the front of the herbaceous border. A warm and sheltered situation should be chosen, where it will prove to be a gem among early flowers. Flowering season late April. Height, 8 inches. Doz., \$1.25; 100, \$8.20; 250, \$18.00.

Early Darwin Hybrids TRIUMPH STRAIN

NOT since the Darwin race was introduced, has so great an improvement been made in the tulip family, as in the new Triumph class. Here are early tulips—coming at a time when every bit of color in the garden is more precious because there is so little of it—with stems as tall flowers as large and colors even more brilliant than the Darwins. A hybrid of the Darwin and early singles, the Triumph tulips have a distinctive beauty of their own, and a clear luminous color quality which will make you treasure them. Two full weeks are added to the tall tulip season by planting these.

Alberio. (26 in.) Glossy cherry-red with very small yellow rim around petals. Large flower, good bedder. Doz., \$1.25; 100, \$8.20; 250, \$18.00.

Corniforus. Brilliant red, base white, early forcer, one of the most outstanding triumphs, very large flower. Doz. \$1.25; 100, \$8.20; 250, \$18.00.

Crater. Dark vermilion-red, edging lighter, good forcer. Doz., \$1.25; 100, \$8.20; 250, \$18.00.

Elisabeth Evers. Rose with pure white base. Doz., \$1.45; 100, \$10.00; 250, \$22.50.

Kansas. Pure white. Doz., \$1.45; 100, \$10.00; 250, \$22.50.

Telescopium. (23 in.) Violet rose, strong flower on stiff stem. Doz., \$1.45; 100, \$10.00; 250, \$22.50.

Ursa Minor. (17 in.) Deep golden yellow. Doz., \$1.25; 100, \$8.20; 250, \$18.00.

Vaughan's Special Cut-Flower Mixture

Made up of late flowering varieties. Bulbs are 4 to 4½ inches in circumference, will give you cut flowers thru the season. 50 for \$3.25; 100 for \$6.00; 250 for \$12.50.

Vaughan's Special Mixture of Breeder Tulips

An excellent collection of this popular class of Tulips, including many rare colors. Doz., \$1.60; per 100, \$11.00; 250, \$25.00.

New Late Double

MANY new varieties have been developed in the late flowering double tulips. Blossoming at the same time with the Darwin, Cottage and Breder types, they have much longer stems and larger flowers than the early doubles, and give stunning effects in beds, or as border accents.

Coxa. (21 in.) Carmine-red. Vermilion edged very small white border. Large flower. Very fine for border planting. Doz., \$1.50; 100, \$10.50; 250, \$23.75.

Eros. (20 in.) The large double flowers are of a deep true pink with silvery high-lights. Its double flowers, borne on tall, strong stems, are compared to peonies by all who see them, but we do not know any peony which has its lovely coloring. A group planted in any garden will be arouse admiration. Doz., \$1.50; 100, \$10.50; 250, \$23.75.

Livingstone. (20 in.) Large flower of bright cherry-pink, good strong stem, very fine for bedding and lovely when forced in February. Doz., \$1.75; 100, \$12.00; 250, \$27.50.

Mount Tacoma. (24 in.) A magnificent giant double white Tulip which reminds one of a peony in full bloom; superb for beds. Doz., \$1.65; 100, \$11.50; \$26.25.

(Illustrated in Color on Inside Back Cover)

Uncle Tom. (21 in.) A very beautiful Tulip with large full-double flowers of a uniform deep glossy maroon-red color, really a distinct shade in Tulips. Doz., \$1.75; 100, \$12.00; 250, \$27.50.

Mixture of Late Double Tulips. Made by us from named varieties, insuring well balanced selection. Doz., \$1.60; 100, \$11.00; 250, \$25.00.

New Parrot Tulips

OUTSTANDING among the new tulips introduced since war ended, are new varieties of the Parrot type. Their petals are huge, thick fleshed, fringed and the flowers keep well when cut. A group will focus attention of garden visitors. Average height 15 inches.

FANTASY

A remarkable Parrot Tulip with a straight, strong stem, a quality which has always been lacking in Parrot tulips. This variety is a sport of the well-known Darwin tulip, Clara Butt, and has the same clear pink color as its parent, combined with artistic form of a Parrot tulip. Each petal is over three inches long, and two inches across. The center of the petals on the outside are marked emerald green. Doz., \$1.60; 100, \$11.00; 250, \$25.00. (Illustrated on Inside Back Cover).

New Named Varieties

Blue Parrot. Petals bright purple blue, Parrot of Darwin Blue Aimable, strong stem. Each 20c; Doz., \$1.50; 100, \$10.50; 250, \$23.75.

Orange Favorite. Glistering deep orange orange-scarlet with yellow base, sweet scented flower of great size and brilliant coloring. Each, 20c; Doz., \$1.75; 100, \$12.00; 250, \$27.50.

Red Champion. Parrot of Darwin Bartigon, borne on strong stem, deep red color. Each 25c; Doz., \$2.35; 100, \$16.00; 250, \$38.75.

Sunshine. Pure butter yellow. Parrot of Cottage Bouton d'Or. Doz., \$3.00; 100, \$20.00; 250, \$47.50.

Therese. A sport of Darwin Tulip Farncombe Sanders, it has retained the many good qualities of this so-popular variety. The very large flower is of subdued scarlet color with the inside of the petals a lighter but brilliant rosy red. Doz., \$2.25; 100, \$15.00; 250, \$36.25.

Violet Queen. Sport from Opal Queen, violet. Each 20c; Doz., \$1.60; 100, \$11.00; 250, \$25.00.

Mixture of Parrot Tulips. Prepared by us to insure well balanced display of colors. Doz., \$2.00; 100, \$14.00; 250, \$33.75.



TYPICAL BED OF SINGLE EARLY TULIPS

Early Bedding Tulips

BRED for use in formal beds, early tulips of each variety grow to the same height, and blossom at the same time. Once most popular of all types, they promise to return to favor, for planting in front of broad, low houses of modern design. A circular or oblong bed of early tulips, of one color, or two harmonizing colors, will present an enchanting view from your picture window next April.

Explanatory. The number following the name of the variety denotes the height in inches, while the (a) and (b) indicate their earliness of bloom—the (a's) flower together and are earliest; the (b's) flower together, but somewhat later.

Early Single

Couleur Cardinal. 8a. As its name denotes this variety possesses the brilliant red coloring called Cardinal. Immense blooms of good cup form open later. Doz., \$1.35; 100, \$9.00; 250, \$20.00.

Fred Moore. 10b. Beautiful, large orange scarlet flowers with lighter. Doz., \$1.30; \$8.50; 250, \$18.75.

General DeWet. 10a. Beautiful deep orange, shaded golden yellow at the base of the petals. A very fragrant flower and one of the finest varieties in cultivation. There is no other orange variety which equals it in brilliancy. It is therefore one of the showiest bedders, and as it forces splendidly we can recommend it for all purposes. Doz., \$1.30; 100, \$8.50; 250, \$18.75.

Keizerskroon. 10b. This is one of the oldest, it is, assuredly, one of the best early varieties. The huge flower is bright red, nearly scarlet, edged with yellow; the margin is broad and clearly defined, the flower is seen and recognized from afar. It is a strong, healthy grower, and a bed of it will bring into the early spring garden some of the color and joy for which we will have longed for many months. Doz., \$1.45; 100, \$10.00; 250, \$22.50.

Pink Beauty. 12b. Bright rose-pink shading to blush-white. Doz., \$1.50; 100, \$10.50; 250, \$23.75.

Rose Luisante. 7b. Brilliant deep pink. Doz., \$1.50; 100, \$10.50; 250, \$23.75.

Rising Sun. 8a. The brilliance of its namesake is seen in the golden beauty of this magnificent tulip. Large, of good form, and sturdy growth, it is an ideal tulip for bedding and border. Doz., \$1.35; 100, \$9.00; 250, \$20.00.

Sunburst. 12a. Yellow, flushed with red, A beautiful tulip for bedding or forcing. Doz., \$1.30; 100, \$8.50; 18.75.

White Hawk. 8a. Pure white. Doz., \$1.30; 100, \$8.50; 250, \$18.75.

Mixture of Early Single Tulips. Including well balanced selection of named varieties which will bloom together, at the same height. Doz., \$1.35; 100, \$9.00; 250, \$20.00.



TULIP KEIZERSKROON

EARLY DOUBLE—Continued

Mr. Van der Hoef. 12a. Yellow sport of Murillo with all its superb qualities. One of the very finest of the primrose-yellow double tulips. Doz., \$1.35; 100, \$9.00; 250, \$20.00.

Orange Nassau. 10b. Bright orange-scarlet with a margin of orange. Outer petals shaded cherry-red. Doz., \$1.35; 100, \$9.00; 250, \$20.00.

Peach Blossom. 8a. Deep rosy pink, deepening with age to a deep rose. A very fine flower with a wonderful color. A new variety of superb quality. Doz., \$1.35; 100, \$9.00; 250, \$20.00.

Rubra Maxima. 8b. Dazzling scarlet. Doz., \$1.35; 100, \$9.00; 250, \$20.00.

Schoonoord (White Murillo). 12b. Pure white. Extra fine. Doz., \$1.35; 100, \$9.00; 250, \$20.00.

Toreador. 8a. Reddish orange and yellow. Doz., \$1.50; 100, \$10.50; 250, \$23.75.

Triumphator. 9b. Magnificent bright pink, the best of the several sports of the popular "Murillo." It is an improvement upon the variety "Peach Blossom" which has long been recognized as one of the best double pink tulips. It is more double, the color is much softer, and the form better. Doz., \$1.35; 100, \$9.00; 250, \$20.00.

Vuurbaak. 9b. Bright scarlet, suffused orange. Doz., \$1.45; 100, \$10.00; 250, \$22.50.

Mixture of Early Double Tulips. Prepared by us from named varieties of all colors, which will bloom at the same time, and grow to the same height. Doz., \$1.35; 100, \$9.00; 250, \$20.00.

Early Double

Couronne d'Or (Crown of Gold)

10a. Beautiful rich, golden yellow, flushed orange. Doz., \$1.50; 100, \$10.50; 250, \$23.75.

Electra. 8b. Magnificent, enormous flower; beautiful rose, feathered violet; a handsome novelty, unexcelled for exhibition purposes. Doz., \$1.35; 100, \$9.00; 250, \$20.00.

Hyacinths

RED AND ROSE

- Gertrude.**—Rose-Pink, one of the best pot varieties
- Jan Bos.**—Scarlet early forcer.
- La Victoire.**—Brilliant red.
- Pink Pearl.**—Rosy pink.
- Queen of Pinks.**—Rose, pink, choice.

WHITE

- Arentine Arendsen.**—Pure white, large bells, splendid spike, best for outdoor planting.
- L'Innocence.**—Pure white, best for growing in pots indoors.

YELLOW

- City of Haarlem.**—Golden Yellow.

BLUE

- Bismarck.**—Lavender
- Grand Maitre.**—Dark porcelain blue.
- King of Blues.**—Very dark blue.
- Queen of Blues.**—Very light blue.

Mammoth Bulbs in any above varieties to Grow In Glasses and Pots.

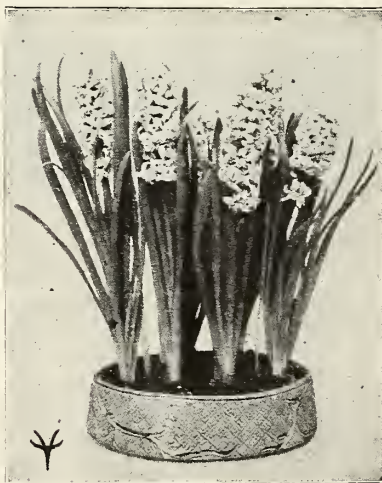
19 ctms. and over, Each 35c; doz.. \$3.50; 100, \$25.00.

These are not recommended for outdoor planting but should be used for forcing in glasses, or in pots or pans. We have arranged with one of our Dutch growers to select these bulbs for their ability to give huge spikes of flowers, suitable for flower shows, or for striking decorative effects.

Bulbs of above Varieties for Garden Planting.

	Each	Doz.	100
First Size (18-19 Ctm.)	\$0.30	\$3.00	\$22.00
Second Size (17-18 Ctm.) . . . .	.25	2.50	18.00
Third Size (16-17 Ctm.) . . . .	.20	2.00	15.00
Bedding Size (15-16 Ctm.) . . . .	.18	1.75	13.00

Above prices are for your selection of named varieties.



FRENCH ROMAN HYACINTHS

French Roman Hyacinths

These beautiful Hyacinths are among the most easily cultivated and most satisfactory of flowering bulbs. The white variety, if planted early in September and slowly forced, will bloom in November. The others require from two to three weeks longer.

	Each	Doz.	100
White	\$0.25	\$2.50	\$17.00
Blue . . . . .	.15	1.45	10.00
Pink . . . . .	.20	1.80	13.00



HYACINTH GRAND MAITRE

HYACINTHS contribute to the spring garden fragrance as well as colors which at that time no other flowers can give so well. Indeed, it is doubtful whether at any time of the garden year lovelier true pinks and blues can be found than those which hyacinths provide.

They serve to border paths, near all garden architecture, including ornaments such as bird baths, pools and fountains, and groups of hyacinths may well be worked into the border planting, where they will provide a needed color foil or accent.

For garden planting, it is not necessary to use the largest forcing sizes. Bulbs of third and bedding sizes will do well. Take especial care to plant them in well drained soil, and if there is any doubt, elevate the bed a few inches to keep them above water. Plant bulbs six inches deep, and after the ground has frozen a light mulch to keep the frost in, will benefit.

Hyacinths in Pots

For Winter Blooming

LIGHT, rich soil produces the best flowers. Place each bulb one inch deep, an inch and one-half from each other bulb or edge of pot. Water well, and set away in a dark, cool cellar, or an outdoor pit which is well drained. If outside, cover with three or four inches of sand or ashes. Let them remain there for eight or ten weeks to root, then bring them into a warm room, but keep them in the dark (cover the pot with a paper bag, cloth, etc.) Then when the flower spike is three or four inches out of the bulb, they may be exposed to the light, and will open beautifully.



ENGLISH IRIS

Hardy Bulbous Garden Iris

ADMIRERS of the iris will find this group to be valuable additions to their collections. Flowering in late June and early July, they follow the bearded and Siberian irises, prolonging the display and producing flowers of a distinct type and quality of coloring. The colors are clear and brilliant, and the petals are delicate, but of excellent substance. They make quality cut flowers, lasting fully a week in water.

Bulbs should be dug each year after foliage has turned brown. They should be cured quickly in a dry location and only the largest bulbs should be replanted for flowering.

Iris Tingitana Wedgewood

For indoor use and protected plantings. The amateur should plant his bulbs, six or eight according to size, in a seven- or eight-inch pot. They must be kept cool, 45 degrees or so, until the buds are out of the neck. A great cut flower. Light blue in color, 8-9 ctms for outdoor planting. Doz., 90c; 100, \$6.00; 1000, \$55.00, 10 ctms. up for indoor growing, doz., \$2.00; 100, \$15.00; 1,000, \$140.00.

English Iris

These thrive in any ordinary garden soil but prefer a good loam. The earlier the planting, after beginning of September, the greater the success; the bulbs should be planted 4 inches deep. They flower from end of June to beginning of July.

- KING OF THE BLUES.** Dark blue
 - LAMARTINE.** White, carmine rosy flakes
 - LUCINDA.** Porcelain blue, flaked darker.
 - IDEAL.** Pale mauve.
 - PRINCE ALBERT.** Delicate silvery blue
 - MONT BLANC.** Pure white
 - PURPLE KING.** Deep purple
 - QUEEN OF THE BLUES.** Light blue
- Each, 20c; doz., \$2.00; 100, \$15.00.

Iris Reticulata

Fragrant Iris—Hardy with Protection
RETICULATA. This may be forced into bloom in the house with ease. Six or eight bulbs put into a 4 or 5-inch pot when received will bloom about Christmas time. The fragrant blossoms remind one of a bunch of fresh violets. Perfectly hardy with reasonable protection. It is one of the loveliest early flowering bulbs for the rockery. To show it off well, plant a number of bulbs under the white Arabis Alpina. Each, 15c; doz., \$1.10; 100, \$7.50.

Dutch Iris (Bulbous)

For Outdoor Planting Only

- (Require some protection in northern states.)
- IMPERATOR.** Rich dark blue. Very large, 6-7 ctms. Doz., 65c; 100, \$4.50. 7-8 ctms. Doz., 90c; 100, \$6.00.
- GOLDEN HARVEST.** Golden yellow. 6-7 ctms. Doz., 90c; 100, \$6.00. 7-8 ctms. Doz., \$1.10; 100, \$7.50.
- WHITE EXCELSIOR.** Pure white 6-7 ctms. Doz., 75c; 100, \$5.00. 7-8 ctms. Doz., \$1.10; 100, \$7.50.
- YELLOW QUEEN.** Soft clear yellow 5-6 ctms. Doz., 65c; 100, \$4.50; 7-8 ctms. Doz., \$1.25; 100, \$8.00.
- DUTCH IRIS MIXED.** Doz., 60c; 100, \$4.00.

Bulbs You Can Flower Indoors



Lily of the Valley Grown in Sphagnum Moss

Lilies of the Valley

Ready to Ship November and December.

We can again offer imported lily of the valley pips prepared for forcing into flower in bowls. These beautiful, fragrant flowers may be brought to flower in 18 to 21 days, if pips from cold storage are used. They are easily forced in a bowl, if planted in sphagnum moss and kept well watered. Do not order more than you intend to use at once as the cold storage pips will not keep. Plant about 25 pips in a 7-inch bowl, place in 65 degrees Fahrenheit and shade from light until leaves and spikes are well developed, then admit light gradually. Increase temperature to 75 degrees or 80 degrees if possible.

COLD STORAGE PIPS. 12 for \$2.00; 25 for \$3.75, postpaid.
SPHAGNUM MOSS, sufficient for 25 pips, 15c, postpaid.

Amaryllis

(Illustrated in Color on Inside Back Cover)

OUR strain of giant flowered amaryllis is rich in brilliant red, and lovely white flowers, with many in which the white ground is vividly marked with contrasting tones of red, pink and salmon.

Place only one bulb in each pot, covering it as far as the neck or upper narrow part. Water sparingly at first until the flower shoots begin to appear. Some growers keep them in the dark until the flower stems are four or five inches long, and then bring to light.

After flowering they should be placed in a warm window, or set outside in sand or cinders and watered every day, until the end of August when water should be gradually withheld and the bulbs allowed to go to rest. In the fall they can be forced again.

Named Varieties—Stock Limited

JAVA.	American Beauty rose, white throat,	Each,	\$2.00;	doz.,	\$20.00.
LADY HELEN.	Orange-scarlet.	Each,	\$2.00;	doz.,	\$20.00.
W. N. CAMPBELL.	White with vivid scarlet blotches.	Each,	\$2.00;	doz.,	\$20.00.
PURE WHITE.	Each,	\$7.00;	doz.,	\$75.00.	
MIXED.	Including many color blends.				
		Each	Doz.	100	
2¼-2½ in. Dia.	.....	\$0.40	\$4.00	\$27.00	
2½-2¾ in. Dia.	.....	.50	5.00	35.00	
2¾-3 in. Dia.	.....	.75	7.50	55.00	
3 -3¾ in. and up Dia.	.....	1.00	10.00	75.00	



WHITE CALLA LILIES

Calla Lilies

PINK REHMANNII, Superba
 Ready in November.

The rare Pink Calla Lily. Rather dwarfier and smaller flowered than the White Calla, but of alluring coloring, palest blush to pure rose. 1¼-1½ inch. Each, 25c; doz., \$2.50. 1½-2 inch. Each, 40c; doz., \$4.00.

WHITE, Ready Now. A well-known plant of easy culture for winter bloom, and makes a handsome house or window plant. To aid profuse blooming keep dormant from the middle of June until the last of September; pot on receipt in good, rich soil, using 6 to 8-inch pot, give light and heat in abundance. Both foliage and flowers are attractive in this desirable winter bloomer.

First Size (1¼ to 1½ in.)...Each, 20c; doz., \$2.00; 100, \$15.00.
Select Size (1½ to 1¾ in.)...Each, 40c; doz., \$4.00; 100, \$37.00.
Mammoth (1¾ to 2 in.)...Each, 50c; doz., \$5.00; 100, \$37.00.
Jumbo (2 in. and over)....Each, 75c; doz., \$7.50; 100, \$50.00.

Calla Golden Yellow Elliottiana

Ready in November

New and beautiful variety; same habit of growth as ordinary white Calla; flowers same size and shape, rich, clear, lustrous golden yellow; foliage dark green, with translucent creamy spots, strong bulbs.

First Size (2 to 2½ in.)....Each, 40c; doz., \$4.00; 100, \$27.00.
Mammoth (2½ to 3 in.)...Each, 65c; doz., \$6.50; 100, \$47.00.
Jumbo (3 in. and up)...Each, \$1.00; doz., \$10.00; 100, \$75.00.

Ixias

The Ixia colors are rich, the center always differing in color from the petals. Very desirable for pots. If planted outside be sure to cover with straw or leaves.
Mixed. Doz., 75c; 100, \$5.00; 1,000, \$40.00.

Lachenalias

For Indoor Growing

Lachenalias are useful as pot plants because of their bright flowers and interesting foliage.

Culture. Plant six or seven bulbs in a five or six inch pot with cool culture similar to freesias produce blossoms during late February and March. They do not need support.

AUREA. The flowers are pendulous long bells forming a loose spike up to one foot high. The young flower spike is usually red toned and the deep golden blossoms often have red margined petals. Blooms in late January and February. As a cut flower it normally lasts two weeks in the house. Three Bulbs for 50c; Doz., \$1.60; 100, \$10.00.

Sparaxis, Mixed

Graceful spikes 6 to 8 inches high; flowers of the brightest colors, tigered, streaked and flushed—a riot of color. Excellent for indoor winter flowering—about 12 bulbs to a 6-inch pot. Do not plant outdoors in cold sections. In cool localities, give winter protection. For southern gardens, especially in rockeries. Sparaxis are indispensable.
 Doz., 80c; 100, \$5.50; 1,000, \$45.00.



PAPER WHITE NARCISSI GROWING IN GRAVEL AND WATER

Paper White Narcissi

THESE have been favorites for ages as a decoration for the living room during the coldest winter months when flowers are scarce. Their culture is simple, and with good strong bulbs such as we supply, flowering is sure. Plant bulbs in shallow bowls filled with pebbles, or fibre, and water. Keep in the dark until roots form (about 2 weeks) then bring into light. A day temperature of not over 70° is best.

Fancy selected bulbs (13 ctm.). Three bulbs for 35c; Dozen, \$1.35; 100, \$9.00; 1,000, \$85.00.
Mammoth bulbs (14 ctm.). Three bulbs for 40c; Dozen, \$1.50; 100, \$10.00; 1,000, \$95.00.
Jumbo bulbs (15 ctm.). Three bulbs for 45c; Dozen, \$1.75; 100, \$12.00; 1,000, \$110.00.

The Yellow Paper White (Grand Soleil D'or)

A larger, stronger scented form of the Paper White Narcissus colored a beautiful golden yellow with a darker cup.

Mammoth bulbs. Per three, 40c; dozen, \$1.50; 100, \$10.00.

Chinese Sacred Lily (Narcissus)

THIS narcissus is called by the Chinese the "Joss Flower." The flowers are white, with yellow cup, and very fragrant. Each bulb produces several flower-spikes. Plant like Paper White Narcissus in bowl of bulb fibre, or pebbles and water. Avoid dry, hot rooms. A kitchen window may be best until flowers come. Recommended for Christmas flowering.

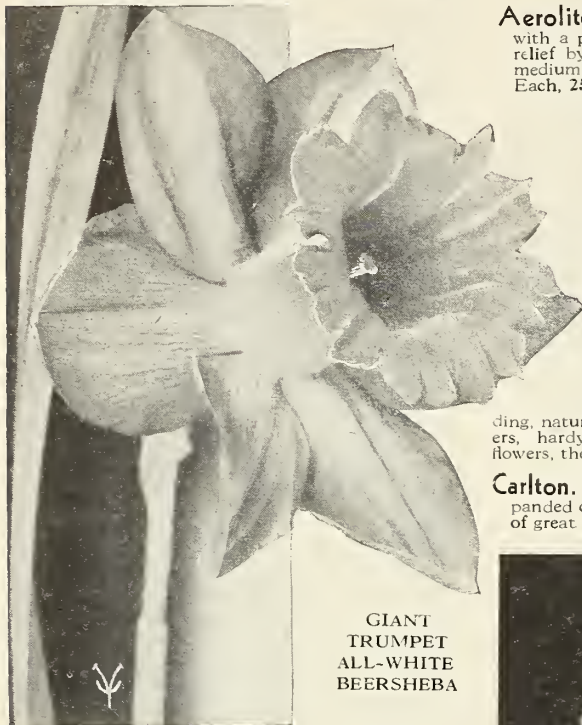
Large bulbs. Three for 40c; per dozen, \$1.40; 100, \$9.50.

Leucocoryne (Glory of the Sun)

Flowers exquisite light blue on tall, wiry stems and of very long-lasting quality with faint heliotrope fragrance. For indoor culture except in warm states. Three bulbs for 50c; doz., \$1.75; 100, \$12.00.



Daffodils or Narcissi



GIANT
TRUMPET
ALL-WHITE
BEERSHEBA

DAFFODILS are the first of the major garden flowers to blossom in the spring. This makes them doubly precious, as heralds of a season of joy, after the long winter.

Culture of the Daffodil

The daffodil tribe likes a cool root run and its flowers are at their best in the cooler days of spring. Therefore it is essential to dig the soil deeply and provide humus. Like the tulip, the daffodil will not thrive if there is fresh manure in the soil and commercial plant food should be used when the bulb is planted. It likes a moist soil but it must have excellent drainage. The plant food should be mixed in the soil below the bulb and if the soil is heavy, a cushion of sand is advisable.

Giant Trumpets

King Alfred. "The King of Yellow Daffodils." Tall, vigorous, golden yellow flower, of elegant form. The expanded trumpet measures 2½ inches in diameter, the perianth proportionally large and segments gracefully twisted. Height, 24 inches. Double Nose Bulbs. Each, 30c; doz., \$2.55; 100, \$18.00. First size Bulbs, Each, 20c; doz., \$2.00; 100, \$14.00.

Winter Gold. Very early, of great garden merit, producing flowers of very elegant form in February. Perianth bright yellow, trumpet long and straight of a deep golden yellow, prettily frilled at mouth. Very showy, height 18 inches. Forces as early as Golden Spur, but has much better form and color. Each, 30c; doz., \$2.60; 100, \$18.00.

(Illustrated in Color on Back Cover)

Mount Hood. Broad, flat, overlapping perianth and large, at mouth widely expanded trumpet. The color is almost pure white throughout a variety you should have in your collection. Each, 65c; doz., \$6.50; 100, \$45.00.

Mrs. E. H. Krelage. Known as the White King Alfred. Charming and exquisite new variety. Perianth of purest white. Trumpet creamy yellow changing to white. Each, 25c; doz., \$2.30; 100, \$16.00.

Spring Glory. A very early showy bicolor daffodil with large white perianth, trumpet bright yellow with open frilled mouth. Each, 20c; doz., \$2.00; 100, \$14.00.

Golden Harvest. Undoubtedly one of the largest-est trumpet varieties in existence. The perianth is well formed and overlapping; the trumpet is of good shape and proportion, rolled back at the brim. The color is deep golden-yellow. Each, 35c; Doz., \$3.25; 100, \$22.00.

Aerolite. A golden giant with flowers beautifully proportioned, perianth deep primrose, with a pure medium yellow trumpet left in bold relief by outer petals, an inch and a half wide; medium early, but one the longest lasting of all. Each, 25c; doz \$2.30; 100, \$16.00.

Beersheba. Finest all white. Large, perfectly flat perianth, trumpet long and beautifully flanged at mouth. A flower of great size, measuring nearly five inches across; a vigorous grower and a grand exhibition variety. Each, 50c; Doz., \$5.00; 100, \$35.00.

Dawson City. Broad overlapping perianth with long-formed deep golden yellow trumpet. Each, 25c; Doz., \$2.30; 100, \$16.00.

Incomparabilis

This class includes many of the most beautiful and useful Daffodils for bedding, naturalizing and border planting. Strong growers, hardy and free bloomers. Forced for winter flowers, they are splendid.

Carlton. A fine clear yellow self-color of great size. Flat overlapping perianth and large expanded crown frilled at brim, a magnificent plant of great vigor. Each, 25c; doz., \$2.25; 100, \$14.00.



JOHN EVELYN (Incomparabilis)

Croesus. Universally popular both for the garden and for exhibition; light canary-yellow perianth of perfect form, with outer petals nearly touching, the inner ones overlapping, opening flat; broad fluted cup of rich orange to base; substantial, free-flowering. Each, 20c; doz., \$1.75; 100, \$12.00.

Fortune. Broad creamy yellow perianth of very solid texture, crown of great size and elegant form, opening at mouth and beautifully frilled of a glowing soft orange. A Giant Incomparabilis of perfect form, early, a strong grower. Each, 30c; doz., \$3.00; 100, \$20.00.

(Illustrated in Color on Back Cover).

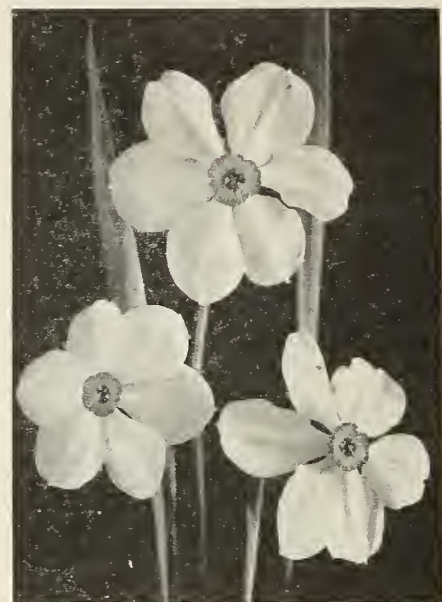
John Evelyn. Deservedly an international favorite; outstanding among the new, Incomparabilis hybrids; flatly opening perianth, 4 to 5 inches across, with a flat cup nearly 2 inches in diameter, densely frilled, the perianth being pure white, without trace of shading, and the cup lemon yellow and fluted or shirred to the base. Each, 25c; doz., \$2.25; 100, \$14.00.

Francisca Drake. It is impossible to describe adequately the beauty of this unusual flower of a distinct new type; the pure white perianth petals are of unusual substance, an inch and a half wide, and tinted gold at the base, which shows through on the outside; the cup, wide and deep, is golden yellow at the base, changing gradually to flame-orange at the densely frilled edge. Each, 20c; doz., \$1.85; 100, \$13.00.

(Illustrated in Color on Back Cover)

Dick Wellband. One of the finest of recent introductions. Very strong grower and exceptionally free flowering. The perianth is pure white and the cup a brilliant flame-orange. One of its most remarkable qualities is that the color does not fade but rather intensifies with age. The flower has unusual lasting qualities. Each, 25c; doz., \$2.25; 100, \$15.00.

(Illustrated in Color on Back Cover)



Poeticus Narcissi

The pure white perianth and all-red or picotee cup, and delicious perfume, peculiar to itself makes this one of the most popular of all Narcissi.

Of all the hardy types this is probably the one most likely to thrive and multiply in the garden. Bulbs should not be lifted for several years until they appear to be crowding, then they may be lifted, divided and replanted over a much larger area. Avoid poorly drained places.

Actea. Large Poeticus pure white perianth with scarlet edged eye. Each, 20c; doz., \$1.65; 100, \$11.00. (Illustrated in Color on Back Cover)

Horace. Large star-shaped perianth, gleaming white, with flat eye, yellow edged red; medium height, very broad perianth petals. Each, 20c; doz., \$1.75; 100, \$12.00.

Poeticus (Common Pheasant's Eye). The Narcissus for garden planting; pure white with scarlet-edged cup or eye. Fine for naturalizing, being hardy and increases readily in numbers; late. Each, 20c; doz., \$1.75; 100, \$12.00.

Vividly Colored Barrii

Thanks to the brilliant contrast effects due to color in the cup, the Barrii type is contributing many improved varieties to the daffodil list and it is here that further progress may be expected. The flowers have a character and grace which make them charming either for cutting or garden display.

Diana Kasner. A pure white perianth and a large fluted yellow cup with blood-red frill, very free-flowering and an excellent forcer. We consider this variety as one of the most valuable introductions and cannot recommend it too highly for show purposes. Each, 20c; doz., \$1.85; 100, \$13.00.

Firetail. Deservedly popular the world over; broad petalled creamy-white perianth and large orange cup with scarlet-orange frill. Each, 20c; doz., \$1.85; 100, \$13.00.

Cluster Flowered Poetaz

Crossing of Poeticus and Polyanthus varieties produced this perfectly hardy strain of bunch-flowering Narcissus. Do well planted in pots for winter flowers.

Cheerfulness. The double Elvira, a very pleasing double white Poetaz, good stems, a fine garden and show flower. Each, 20c; doz., \$1.60; 100, \$11.00.

Early Perfection. Very early Poetaz. Perianth white cup yellow. Good for growing indoors. Each, 20c; doz., \$1.75; 100, \$12.00.

Geranium. Pure white perianth with deep red cup, highly recommended. Each 20c; Doz., \$1.75; 100, \$12.00. (Illustrated in color on back cover.)

Laurens Koster. Perianth white, cup light orange-yellow. Each, 20c; doz., \$1.60; 100, \$11.00.



LEEDSII, DAISY SCHAFER

Attractive Leedsii

Have white perianths with white or sulphur trumpets. Most beautiful class for cutting.

Daisy Schaffer. One of the best of the remarkable new Giant Leedsii type; the flower 4½ inches across, with cup nearly 2 inches resembles a Giant Trumpet, but much more graceful in form; perianth pure white, with cup opening primrose and turning to light canary-yellow, deeper at the base. Each, 25c; doz., \$2.50; 100, \$18.00.

Hera. Broad-petalled creamy white perianth, star-shaped and deeply frilled cup of creamy white with a dainty edging of light primrose. Each, 20c; doz., \$1.75; 100, \$12.00.

(Illustrated in Color on Back Cover)

Mrs. Nette O'Melveny. A dancing daffodil with pure white perianth and cup of clear lemon-yellow, with orange picotee; splendid foliage, tall, graceful stem, and good neck, in every way a delightful flower. Each, 20c; doz., \$2.00; 100, \$14.00.

Tunis. A large, tall, robust-growing Leedsii of most distinct character and great lasting substance, broad waved white perianth and large bold ivory crown with handsome flanged and serrated brim, retaining a remarkable flush of pale coppery gold at the edge. Each, 25c; doz., \$2.50; 100, \$18.00.

Graceful Jonquils

Jonquils are graceful, sweet-scented flowers which thrive well in a moist, shady position in borders. Flowers are arranged on the stem in a cluster.

Jonquilla Simplex. The true single sweet jonquil, of light elegant growth, bearing out of doors in May clusters of numerous small rich yellow flowers of delicious scent. Each, 15c; doz., \$1.20; 100, \$7.50.

Jonquilla Flore-Pleno. The old double sweet jonquil produces in May little heads of rich yellow double flowers, very fragrant and attractive for cutting. Each, 15c; doz., \$1.40; 100, \$9.50.

Golden Sceptre. A medium-sized perfectly built flower of deep Jonquil yellow, 3 inches or more in diameter. The whole flower, as with the others in this class, is of the greatest substance, keeping in perfect condition exceptionally long both in the garden and when cut. Each, 15c; doz., \$1.50; 100, \$10.00.

Cyclamineus Hybrids

These have perianths reflexed as in a cyclamen.

February Gold. Perianth golden yellow, trumpet fringed orange, very early. Each, 25c; doz., \$2.25; 100, \$15.00.

Where to Plant Daffodils

Daffodils are particularly fine subjects to plant under the edge of bushes or among perennials in the hardy border as they seem to like to nestle among the roots of their neighbors. A clump of golden trumpets peeping from beneath the overhanging branches of Spiraea Van Houttei or nestling in a sheltered angle of a building are one of the glad sights of early spring.

12 Daffodils for \$1.00 Naturalizing

25 Bulbs, \$2.00; 100 Bulbs, \$7.50; 1,000 Bulbs, \$65.00, Prepaid.

DAFFODILS are the first major flowers to bloom in the spring. By nature they are informal flowers, and look best when grown in drifts, in the shrubbery or under trees. They like to nestle among the roots of shrubs, and as they bloom before the leaves develop, they thrive in places which later in the season are well shaded. Our naturalizing mixture is an exceptional value, containing many of the best named Trumpet, Leedsii, Star and Poeticus varieties. Plant them and do not disturb until they crowd; the bulbs may then be lifted and replanted over a much larger area. A purchase of bulbs is an investment which will pay in bloom for a lifetime.

FIRST SIZE MIXED

12 Bulbs, \$1.50; 100 Bulbs, \$9.50; 1,000 Bulbs, \$85.00, Prepaid.

NARCISSI NATURALIZED IN THE WOODLAND



The "Pink Daffodil"

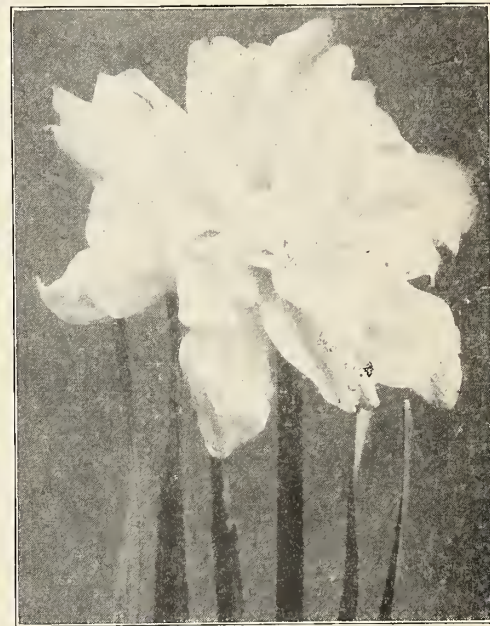
Mrs. R. O. Backhouse. Perianth of ivory white, and long trumpet of apricot pink, changing to shell pink at the deeply fringed edge; exceptional substance; long lasting. Grow in greenhouse or plant in partial shade to bring out the pink color. Each, 60c; doz., \$6.00; 100, \$40.00.

Miniature Daffodils

The following are charming little subjects for rock work, where their dainty flowers are seen to perfection. They should be left undisturbed for years, and if happy will soon establish themselves and afford a lovely picture in early spring. All the Bulbocodium like moisture, and should therefore be planted at the foot of the rockery. When in bud water freely.

Moonshine. A beautiful Triandrus hybrid, star-shaped creamy white flower, often 3 to a stem, drooping gracefully, very beautiful and a great favorite, especially for the rock garden or for naturalizing in the shade. Each, 25c; doz., \$2.50; 100, \$18.00.

Thalia. Two or three lovely pure white flowers per stem, 2 inches or more across, making a beautiful cluster. Very suitable for the rock-garden or for forcing. Each, 35c; doz., \$3.25; 100, \$22.00.



DOUBLE DAFFODIL INDIAN CHIEF

Double Varieties

Indian Chief. Very large and very double, bright yellow interspersed with orange; the petals curled and twisted. Each, 25c; doz., \$2.25; 100, \$15.00.

Mary Copeland. One of the famous varieties of the new semi-double type, cream-white with a golden ray down the center. Each, 30c; doz., \$3.00; 100, \$20.00.

Royal Sovereign. Valuable addition to the twinkle group of semi-doubles, creamy white interspersed with crinkled and frilled trumpet petals of primrose-yellow. Each, 35c; doz., \$3.25; 100, \$22.00.

(Illustrated in Color on Back Cover)

Texas. Large yellow and scarlet-orange interwoven petals. Very choice variety. Each, 30c; doz., \$2.60; 100, \$18.00.

Twink. It is double, of the semi-full type, the pale alternating a soft primrose and clear orange, free-flowering. Each, 25c; doz., \$2.25; 100, \$15.00.



Miscellaneous Bulbs



First Flowers to Bloom in Spring

Anemone (Windflower)

They succeed best in light, rich, well-drained loam. Plant in early October. Mulch after freezing.

DE CAEN. A real selected strain. This mixture contains many fine shades of blue, white and reds. Mixed. Doz., \$1.00; 100, \$7.00; 1,000, \$65.00.

ST. BRIGID. Flowers range from the deepest crimson to the purest white, embracing cobalt, scarlet, rose, salmon-pink, and heliotrope. Most are semi-double. Doz., \$1.15; 100, \$7.50; 1,000, \$70.00.

Brodiaeas

CAPITATA. California Hyacinths. The stem is slender, capped with a head of violet-blue flowers. They revel in hot, dry places, and flower early. Doz., \$1.00; 100, \$7.00; 1,000, \$65.00.

BRIDGESII. A very fine reddish violet color. Doz., \$1.15; 100, \$7.50; 1,000, \$70.00.

Calochortus

True Mariposa, or Butterfly Tulips

Cup-shaped flowers, one to many on a stem, marked with eyes and dots and penciling in rich colors.

MIXED. From 1 to 2 feet high, flowers vary through white, yellow, lilac to purple and pink to deep claret-red. They thrive best in porous soil, sandy or gritty, either in sun or light shade. Flowers are 2 to 4 in. Doz., \$1.25; 100, \$8.00; 1,000, \$75.00.

Camassia

Camassias go four inches underground, about five inches apart. The flowers are starlike.

ESCULENTA. Light blue flowers borne gracefully erect. Height, 18 inches to 2 feet. Each, 10c; doz., 60c; 100, \$4.00; 1,000, \$35.00.

Dog Tooth Violet (Erythroniums)

If they had no other beauty than that of their richly mottled leaves, they would be well worth a place in the shady corner. Their flowers are 3 inches across, with stems 6 to 18 inches high. The colors run in delicate tints of white, pink, cream, bright yellow and rose. They are hardy in the coldest States, and while they are at their best in a loose, gritty soil, rich in leaf mold, they also thrive in woodlands, in shaded corners, or in the crevices of rockwork in shade.

CALIFORNICUM has large cream-colored flowers. Doz., \$1.10; 100, \$7.50; 1,000, \$70.00.

CALIFORNICUM BI-COLOR. Creamy, yellow centre, tall stems. Doz., \$1.10; 100, \$7.50; 1,000, \$70.00.

CITRINUM is rather more erect in habit, with flowers almost pure white with strongly contrasting deep citron. Doz., \$1.10; 100, \$7.50; 1,000, \$70.00.

HARTWEGGII is as pretty as Californicum, with more yellow in the flower, and each flower on a separate stalk. Very early and stands much heat. Good for pots. Doz., \$1.25; 100, \$8.00; 1,000, \$75.00.

HENDERSONII. Like Californicum, but the flowers are a lovely light purple, with centers a deep maroon. Doz., \$1.10; 100, \$7.50; 1,000, \$70.00.

TUOLUMNENSIS is quite new to both the garden and science. Large leaves, not mottled, and golden yellow flowers. The bulbs are very large and by offsetting form large clumps. Not too free flowering, but very distinct. Doz., \$1.75; 100, \$12.00.

Mixed. Doz., \$1.00; 100, \$7.00; 1,000, \$65.00.

Eranthis Hyemalis (Winter Aconite)

Early in Spring the golden blossoms of Winter Aconite look charming, resting on an emerald-green cushion of leaves, forming a striking contrast to the Snowdrop, Scilla and Chionodoxa. The foliage remains long after the flowers, making the plant especially valuable in moist situations, such as under trees. Height 8 inches.

Doz., 50c; 100, \$3.50; 1,000, \$30.00.

Plant These Bulbs to Welcome Spring

Grouped in the border, where you can see them from a window, the bulbs in the following collections will begin to flower when the last snows melt, and all will have bloomed before the first daffodils. They will insure a joyful uplift of your spirit, as they tell of winter's end, and spring's coming.

No. 121—36 bulbs, 12 single snowdrops, 12 scilla siberica, 12 mixed crocus, 8-9 ctms., prepaid for \$2.00.

No. 122—75 bulbs, 25 single snowdrops, 25 scilla siberica, 25 mixed crocus, 8-9 ctms., prepaid for \$3.50.



SPRING FLOWERING CROCUS

Crocus

Flowering soon after snowdrops and before the daffodils, crocuses in groups or masses present a delightful picture. We offer four colors: **White, Blue, Yellow and Striped.** Order by color, or in a balanced mixture, which will include an equal quantity of each color.

Doz. 100 1000
9-10 ctms., single color or mixed . \$0.60 \$4.20 \$32.00

8-9 ctms., single color or mixed.... .50 3.00 20.00

Chionodoxa

(Glory of the Snow)

One of our loveliest Spring flowers, when established its sheets of blue in very early Spring are a great attraction in borders or massed on rock-work. It flowers with the early Scillas.

LUCILLEA. Bright blue with large clear white center. Doz., 55c; 100, \$3.50; 1,000, \$30.00.

SARDENSIS. Deep blue. Doz., 55c; 100, \$3.50; 1,000, \$30.00.



SNOWDROPS

Snowdrops (Galanthus)

Snowdrops flower after the first spring thaws and when the flowers are over, there remains a groundwork of green foliage.

Single. (Largest Bulbs.) Doz., \$1.00; 100, \$7.00; 1,000, \$60.00.

Double. (Largest Bulbs.) Doz., \$1.00; 100, \$7.00; 1,000, \$60.00.

Scillas (Squills)

For Late Flowering, See Page 13.

As edgings and masses in beds and borders, Scillas are most valuable. They succeed in shady flower borders and bare shady places and odd corners.

SCILLA SPRING BEAUTY. Spring Beauty is a giant by comparison with the ordinary Siberica, very free blooming and ideal for growing in pans or pots. Brought into a 50 to 55 deg. house after being well rooted, it flowers within two weeks, the glorious blue spikes having stems 6 to 8 in. long. Perhaps there is nothing so truly blue that will bloom at that time. Outdoors it is a trifle later than the ordinary but decidedly superior. Large bulbs, doz., 90c; 100, \$6.00; 1,000, \$50.00.

SIBERICA (The Blue Squill). Bright blue, nothing more beautiful for edgings or pots in early Spring, flowering with the Snowdrop. Height, 4 inches. Mammoth Bulbs. Doz., 80c; 100, \$5.50; 1,000, \$45.00.



SCILLAS SELF-SEED AND MULTIPLY



Miscellaneous Bulbs



Weeks before the daffodils appear, snowdrops, chionodoxas, scillas and crocuses blossom in the garden, often peeping through late snow. These and other early bulbs are the first of all flowers to bloom, and precious for that reason. Every garden should have at least a small group, visible from a window, where their beauty can be enjoyed in cool weather.



FRI TILLARIA
MELEAGRIS



RANUNCULUS



SCILLA CAMPANULATA



MUSCARI -
GRAPE HYACINTH

Fritillaria

MELEAGRIS. Singular dwarf spring-flowering plants bearing large pendant, bell-shaped flowers of various colors; yellow, white, black, purple, striped and splashed and checkered in the most curious way. Invaluable and exceedingly pretty when grown in large groups in the garden border or wild dry situation. Doz., 75c; 100, \$5.00; 1,000, \$40.00.

IMPERIALIS (The Crown Imperial) is a stately hardy border-plant, very effective in Spring when grouped in woodlands wild gardens, orchards. Bell-shaped flowers, orange, red and checkered. Plant 12 inches deep, in well drained, location. Each, 75c; doz., \$7.50; 100, \$55.00.

PUDICA. From 4 to 6 in. high, with rather large basal leaves and erect stems, bearing to 3 to 6 nodding bells 1 1/4 to 1 1/2 in. long and pure gold in color. Absolutely hardy and a gem for the rock garden. Each, 20c; doz., \$1.80; 100, \$13.00.

RECURVA (Mission Bells). A beautiful woodland plant from Southern California. 1 1/2 to 2 feet, and producing dainty orange scarlet flowers. They prefer partial shade and a loose soil. Each, 20c; doz., \$1.80; 100, \$13.00.

Grape Hyacinths (Muscari)

Grape Hyacinths, thrive in American gardens planted with late tulips, for clumps in the rock garden or border. All are very accommodating in their requirements, but prefer a good loam with a little old manure dug into it, and, in the case of the Feather Hyacinth, a rather warmer position. The bulbs should be planted during autumn at a depth of about three inches and about two inches apart.

ARMENIACUM. Deep blue, large flowers. 8-9 Ctns. Doz., 60c; 100, \$4.20; 1,000, \$32.00. 9-10 Ctns. Doz., 75c; 100, \$5.00; 1,000, \$40.00.

EARLY GIANT. Improved Armeniacum. Larger bells and a little lighter in color. Blooms about 10 days earlier. 8-9 Ctns. Doz., 65c; 100, \$5.00; 1,000, \$40.00. 9-10 Ctns. Doz., 80c; 100, \$5.50; 1,000, \$45.00.

ALBA (Pure White). This is a beautiful companion to the above, and they make a striking show when planted together. Doz., \$1.00; 100, \$7.00; 1,000, \$60.00.

PLUMOSUM. Bearing in May handsome feathery plumes of violet colored flowers, very attractive. Doz., 65c; 100, \$4.50; 1,000, \$35.00.

Ranunculus (Buttercup)

Plant in November for early spring bloom in frames Set 3 or 4 inches apart, pressing firmly into the soil, claws downward and cover them with sand, then with soil, keep the crown of the tubers four inches under the surface. Water them well.

VICTORIA HYBRID MIXED. Far superior to any Ranunculus that we know. Flowers are double and large. Doz., 90c; 100, \$6.00; 1,000, \$50.00.



SPRING SNOWFLAKES (*Leucojum Vernum*)

Leucojum (Snowflake)

VERNUM (Spring Snowflake). A favorite little early spring flower having drooping, bell-shaped flowers, white with small brown tips. Once planted in a favorable environment they come up every spring, bearing more flowers each time. Excellent for rock gardens and naturalizing. Each, 15c; Doz., \$1.35; 100, \$9.00; 1,000, \$85.00.



ESTATE LILY

Late Flowering Scillas

Scilla Campanulata flowers with the Darwin tulips and is often interplanted with them.

CAMPANULATA (Clear Blue). Very erect in habit (15 inches). Doz., 75c; 100, \$5.00; 1,000, \$40.00. **Alba.** Pure white (12 in.). Doz., 90c; 100, \$6.00; 1,000, \$50.00.

Rosea. Fine rose (15 in.). Doz., 75c; 100, \$5.00; 1,000, \$40.00.

NUTANS Blue. The true English blue-bell. In its native habitat it abounds in woodlands literally carpeting the ground. Gracefully arching stem carrying many violet blue flowers, opening after most other Scillas are gone. Very hardy. Doz., 75c; 100, \$5.00; 1,000, \$40.00.

NUTANS Alba. Pure white companion to the above, with long arching stem. Beautiful when naturalized in copses, shady walks, etc. Also prized for cutting. Doz., 75c; 100, \$5.00; 1,000, \$40.00.

Ornithogalum

ARABICUM. Throws up a tall stem with a cluster of star-shaped flowers, pure white with dark centers. Excellent for cutting, lasting a long time in water. Hardy in the South and other mild climates, but they should be given protection when planted outdoors in the North. Culture in the house is about the same as for Hyacinths. Each, 15c; doz., \$1.35; 100, \$9.00; 1,000, \$80.00.

UMBELLATUM. This is the small white hardy variety that is seen in great profusion and around many of the old gardens. It propagates readily and adapts itself splendidly to naturalizing. It does well over a wide temperature range and blooms profusely each season with little or no care. Each, 10c; doz., \$1.00; 100, \$7.50; 1,000, \$65.00.

Easter Lilies—Semi-hardy

CROFT LILY. Widely used by florists for Easter flowering, this Oregon hybrid bears large pure white trumpets on sturdy stems 12 to 14 inches tall. It is suited for outdoor planting on the Pacific Coast, in southern states, and elsewhere if given good winter protection. Blooms July-August. 7-8 inch bulbs. Each 50c, dozen, \$5.00; 100, \$37.00.

To grow indoors or in the greenhouse for Eastern blooming we offer special treated bulbs for November shipment. 8-9 inches.

Each, 80c; dozen, \$8.00; 100, \$60.00. **ESTATE LILY.** Similar to the Croft lily, but with taller stems, this variety is also some what hardier and more likely to survive in cold winters, if well protected. Its large, white trumpet flowers have heavy petals, and are long lasting when cut. Bloom July-August.

Each, 60c; dozen, \$6.00; 100, \$40.00.

Iriteleia

UNIFLORA VIOLACEA. A rootlike bulb which produces in early spring a pale violet-blue flower with white center, delightfully fragrant. They spread rapidly in the rockery or in masses under shrubs perfectly hardy. About 3 inches high. Doz., 75c; 100, \$5.00; 1,000, \$40.00.

Hardy Lilies

For Fall Planting

LILIES are hardy, thrifty flowers, capable of surviving conditions which would overcome flowers much less beautiful. Grow them in the border in small groups, with background, where their beauty has a suitable setting for its display. They blossom, as a rule, in midsummer, when fine flowers are at a premium. With each order a leaflet giving instructions for growing them in the garden will be sent. They should be planted on receipt to enable the bulbs to begin root growth this fall.

Outdoor Culture—When planting lilies out-of-doors, see that they have a well drained position, and where they will be shaded from very hot sun. Such places can usually be found around the shrub borders, and in the hardy plant border. Never mix manure in the soil around lilies, but enrich with a standard commercial plant food or with bone meal. Many varieties are termed "stemrooters" that is, they develop roots on the stem up to two or three inches from the ground. These roots are voracious feeders, and on them depend greatly the number and size of flowers. When they appear, the plant should receive a top-dressing of good rich soil on which they can feed freely. Spade over the ground thoroughly to a depth of 18 inches before planting lilies. Plant the bulbs 4 to 8 inches deep, depending on their size and the soil, deeper in light soil.

Late planting—Some varieties of lilies do not become fully dormant, so they can be dug, until so late also Japanese Lilies arrive late, so that delivery of the bulbs may be delayed until December. To keep the soil from freezing, so that late planting may be done, select the location where bulbs are to go and cover the surface with a mulch of leaves, straw, glass, wool, or other effective material. Applied before freezing sets in, this will be sufficient to protect the soil below it from late autumn temperatures.

Lilium Auratum—Ready in December

The Gold-Banded Lily of Japan. Imported bulbs of this magnificent lily are again available. Its huge flowers are white, dotted crimson, with a clear gold band down the middle of each petal. Stems grow seven feet tall, flowers ten inches across. Plant deeply in woods soil, rich in humus.

8-9 inch Each, 40c; doz., \$4.00.
9-11 inch. Each, 50c; doz., \$5.00.

Lilium Auratum Platyphyllum—Ready in December

(Improved Auratum). Superior to Auratum in larger flowers, profuse blooming, and glossy foliage.

8-9 inch. Each, 50c; doz., \$5.00. 9-11 inch. Each, 75c; doz., \$7.50.

Lilium Canadense—Ready in September

The whole plant has a downward, graceful movement and looks like a slender, tiered green belfry ringing golden bells. The flowers are nodding, bell-shaped, with petals flaring out and turning back slightly. They are heavily dotted on the inside with purplish brown dots. Blooms the end of June to July. Should be planted five inches deep. It is an excellent lily for naturalizing. Height, 3 to 5 ft.

Canadense Mixed—Each, 25c; dozen, \$2.50; 100, \$18.00.

Lilium Centifolium—Olympia Hybrids

Ready in October

A giant among lilies, with long, trumpet-shaped white flowers, streaked outside with brown and flushed inside with yellow at the base.

Bulbs—6-7 inches, each, 40c; doz., \$4.00; 7-8 inches, each, 50c; doz., \$5.00.

Lilium Phillipinense Formosanum

Ready in October

A refined and graceful Lily with long grassy foliage, and long wide-mouthed trumpet flowers of the purest white, slightly marked externally with reddish brown. The plants grow to 3 feet, or more, are very robust, fragrant and loveliest of the new varieties.

Late flowering, 3-4 inch. Each, 40c; doz., \$4.00; 100, \$27.00.
4 inch and up, Each, 60c; doz., \$6.00; 100, \$45.00.

Lily of the Valley—Ready in October

Lily of the Valley is one of the best ground covers for shady places in the home grounds. It spreads rapidly, crowding out weeds, and the fragrant blossoms come early in the spring in great abundance.

Clumps. Each, 60c., three for \$1.50; doz., \$5.50.

Bellingham Hybrids

A strain of lilies developed by crossing named varieties produced by Dr. David C. Griffiths at the Bellingham, Wash., U.S. experiment station. Up to 20 flowers are borne in pyramidal flower heads on tall stems. Colors range from clear yellow to bright orange red with scarlet tipped petals, many flowers spotted with brown. Easy to grow with some protection in cold winters; should be left to multiply undisturbed. Flowers long lasting when cut.

Each, 50c; dozen, \$5.00; 100, \$35.00.

Sunset Lily—Ready in October

Because of its ease of culture, rapidity of increase and its extreme hardiness, the new Sunset Lily is certain to achieve widespread favor. Height 5-6 ft. with 10 or more flowers to the stalk. This lily is bright red, it's throat, bright yellow with dark spots. Stems are straight and strong with no tendency to droop. July flowering.

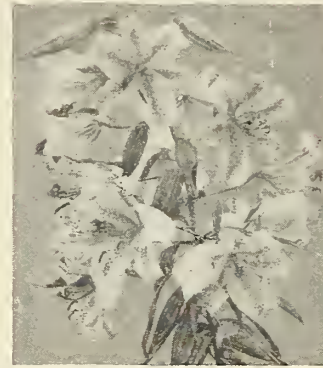
5-6 inch. Each, 30c; doz., \$3.00; 100, \$25.00.
6-7 inch. Each, 45c; doz., \$4.50; 100, \$32.00.



LILIUM Canadense



LILIUM Regale



LILIUM Auratum



LILIUM Rubrum

Collection of Five Hardy Garden Lilies \$1.25

One each of the following varieties: Canadense, Regale, Superbum, Tenuifolium, Umbellatum \$1.25
Two each variety as above. \$2.20 Six each variety as above. 6.00
Twelve ea. var. as above. \$11.50 All prepaid 600 miles.

Lilium Regale—Ready in October

The large, trumpet-shaped flowers are snowy white, with a pure yellow center, while the exterior of the petals is slightly tinged pink. It is a strong grower, attaining the height of three or four feet. The flowers are beautiful, possessing a delightful fragrance. The bulb usually presents a dried, shriveled appearance.

First Size, 6-7 in. in circumference. Each, 20c; doz., \$1.75; 100, \$12.00.
Select Size, 7-8 in. in circumference. Each, 25c; doz., \$2.50; 100, \$18.00.
Mammoth Size, 8-9 in. in circumference. Each, 45c; doz., \$4.50; 100, \$32.00.
Jumbo Size, 9-10 in. in circumference. Each, 75c; doz., \$5.50; 100, \$40.00.
Extra Jumbo, 10-11 in. Each, 75c; dozen, \$7.50; 100, \$55.00.

Lilium Speciosum Rubrum (Magnificum)—Ready in December

The typical form is white, flushed pink, and heavily spotted with carmine. The stem is about four feet high and has fresh, green, lance-shaped leaves, and the frilly flowers face downward and carelessly roll back their petals, while the stamens and pistil curl way out. A very beautiful lily, perfectly hardy, very seldom diseased, and a late Aug. and early Sept. bloomer. Plant the bulbs eight to ten inches deep.

8-9 inch. Each, 50c; doz., \$5.00. 9-11 inch. Each, 75c; doz., \$7.50.

Lilium Superbum—Ready in September

(American Turk's Cap, Swamp Lily)—The most magnificent and showy of the native North American species, well worthy of extensive culture. This splendid lily produces from ten to forty flowers of brilliant orange-scarlet, shaded yellow and spotted purplish brown at the base, with red anthers, in late July and August. This lily requires an acid condition and should be planted at least 8 inches deep. Height, 3-8 feet. Each, 30c; dozen, \$3.00; 100, \$20.00.

Lilium Tenuifolium—Ready in October

The lovely Coral Lily of Siberia. A great beauty. The brightest of all lilies. Grows 20 inches high, with finely cut foliage, slender stems and beautifully shaded coral-red flowers. One ought to grow them by the dozen, they are so fine for cutting and making clumps for the lawn. Blooms very early.

2½-3 inch. Each, 20c; doz., \$1.75; 100, \$12.00.
3 inch and up. Each, 25c; doz., \$2.25; 100, \$15.00.

Lilium Umbellatum—Ready in October

This group of lilies is of hybrid origin, and thrives in American garden borders, multiplying and enduring. They are early flowering, blooming during the first part of June. Usually attaining the height of two to three feet, they carry four to six flowers of cup-shape.

Mixed. Each, 45c; doz., \$4.50; 100, \$30.00.



Autumn IS THE BEST TIME TO SOW

VAUGHAN'S CHICAGO PARKS LAWN SEED

1/2 Lb....	\$0.55
1 Lb....	1.00
2 Lbs....	2.00
3 Lbs....	2.95
5 Lbs....	4.85
10 Lbs...	9.50
15 Lbs...	14.15
20 Lbs...	18.75
25 Lbs...	23.25
100 Lbs..	89.00

Prepaid in U. S. A.

FOR lawn grasses, autumn weather is just what the doctor ordered. Shorter days, cooler nights and more abundant moisture, give infant plants an ideal start. The longer they have to grow before the freeze-up, the better they will be prepared to survive winter.

In the fall it is more important than ever to sow only permanent grasses, free from short-lived, coarse growing types. For a lawn of permanence and beauty, our famous Chicago Parks mixture is recommended, containing fancy, re-cleaned seed of fine leaved, hardy, lasting grasses of high purity and germination. It contains no timothy, or other coarse adulterants. We are adding to our mixture a liberal amount of the new Creeping Red Fescue, a strain developed by scientific breeding methods. This fine leaved grass spreads from the roots and so helps thicken the turf as to help crowd out weeds. See prices above.

We offer Chicago Parks mixture without Clover as "Fairway Mixture" at Chicago Parks prices, as quoted above.

Kentucky Blue Grass (Poa pratensis)
EXTRA HEAVY SUN-CURED SEED—Specially re-cleaned.
 1/2 lb., 60c; 1 lb., \$1.10; 2 lbs., \$2.20; 3 lbs., \$3.25; 5 lbs., \$5.35; 10 lbs., \$10.50; 15 lbs., \$15.65; 20 lbs., \$20.75; 25 lbs., \$25.75; 50 lbs., \$52.00.

Fancy Seed—(Standard grade of re-cleaned blue grass.) Price, 1/2 lb., 55c; 1 lb., 95c; 2 lbs., \$1.90; 3 lbs., \$2.80; 5 lbs., \$4.60; 10 lbs., \$9.00; 15 lbs., \$13.40; 20 lbs., \$17.75; 25 lbs., \$22.00; 50 lbs., \$42.00.

Creeping Red Fescue
 Developed by scientific methods, this spreads from the roots making a dense turf which tends to crowd out weeds. Does well in shade and is good on sandy soil. Price, 1 lb., \$1.05; 2 lbs., \$2.10; 3 lbs., \$3.10; 5 lbs., \$5.10; 10 lbs., \$10.00; 15 lbs., \$14.90; 20 lbs., \$19.75; 25 lbs., \$24.50; 50 lbs., \$48.50.

Chewing's Fescue
 This is valuable on sandy soils and in shade, perennial with fine blade and a spreading root system. 5 lbs. to 1,000 sq. ft.—1 lb., \$1.00; 2 lbs., \$2.00; 3 lbs., \$2.95; 5 lbs., \$4.85; 10 lbs., \$9.50; 15 lbs., \$14.15; 20 lbs., \$18.75; 25 lbs., \$23.25; 50 lbs., \$46.00.

Alta Fescue
 This recent development has a deep root system and is drought resistant. It stands up under traffic and though coarse is excellent for athletic fields, airports, roadsides, etc. 1 lb., \$1.00; 2 lbs., \$2.00; 3 lbs., \$2.95; 5 lbs., \$4.85; 10 lbs., \$9.50.

Poa trivialis (Rough Blue Grass)
 A grass for moist, shady spots. 1/2 lb., 85c; 1 lb., \$1.50; 2 lbs., \$3.00; 3 lbs., \$4.40; 5 lbs., \$7.25; 10 lbs., \$14.25; 15 lbs., \$21.00; 20 lbs., \$27.60; 25 lbs., \$33.75; 50 lbs., \$65.00.

Red Top Grass (Argrostis alba)
 Extra fancy re-cleaned solid seed—Price, 1/2 lb., 55c; 1 lb., 95c; 2 lbs., \$1.90; 3 lbs., \$2.80; 5 lbs., \$4.60; 10 lbs., \$9.00; 15 lbs., \$13.40; 20 lbs., \$17.75; 25 lbs., \$22.00; 50 lbs., \$42.50.

Seed of the Bent Grasses
 For lawns Bent grass from seed is preferred to creeping Bent stolons because it does not grow so rapidly or require so much cutting and top dressing. Seed 3 to 4 lbs. per 1000 square feet.

ASTORIA BENT GRASS. This grass has creeping roots which throw up new shoots and make a very thick turf. It makes a splendid lawn and golf grass. Requires less care than the aggressive surface creepers. Price, 1/4 lb., 60c; 1/2 lb., \$1.00; 1 lb., \$1.75; 2 lbs., \$3.50; 3 lbs., \$5.20; 5 lbs., \$8.50; 10 lbs., \$16.75; 15 lbs., \$24.75; 20 lbs., \$32.60; 25 lbs., \$40.00.

SEASIDE CREEPING BENT GRASS. This is a true creeping Bent grass seed. One or two top dressings a year will keep it in good condition. Does not require as much cutting as the varieties of bent grown from plugs and stolons. 1/4 lb., 55c; 1/2 lb., 95c; 1 lb., \$1.70; 2 lbs., \$3.40; 3 lbs., \$5.05; 5 lbs., \$8.25; 10 lbs., \$16.25; 15 lbs., \$24.00; 20 lbs., \$31.60; 25 lbs., \$38.75.

Perennial Rye Grass
 A rather broad bladed grass, good where a quick, heavy turf is wanted. Price, 1 lb., 40c; 2 lbs., 80c; 3 lbs., \$1.15; 5 lbs., \$1.85; 10 lbs., \$3.50; 15 lbs., \$5.15; 20 lbs., \$6.70; 25 lbs., \$8.25; 50 lbs., \$16.00; 100 lbs., \$30.00.

COMMON RYE GRASS. (Italian Type.) 1 lb., 30c; 2 lbs., 60c; 3 lbs., 85c; 5 lbs., \$1.35; 10 lbs., \$2.50; 15 lbs., \$3.65; 25 lbs., \$5.75; 50 lbs., \$10.00.

Vaughan's "Private Estate" Bent Formula
 For those interested in a deluxe mixture we highly recommend our Private Estate formula. This formula contains over 98% pure seed and is free of all noxious weeds.

In addition to Kentucky Blue Grass of the highest quality, to insure a durable and resistant foundation for your lawn, Private Estate formula includes an important proportion of bent. It produces a heavy turf of very fine texture. This mixture is equal or better in purity to the highest priced mixtures and is the best value on the market.

Price, 1 lb., \$1.25; 2 lbs., \$2.50; 3 lbs., \$3.70; 5 lbs., \$5.10; 10 lbs., \$12.00; 15 lbs., \$17.90; 20 lbs., \$23.75; 25 lbs., \$29.50; 100 lbs., \$114.00.

Vaughan's "Columbian"
 When making a lawn on sandy soil or in moderate shade, Vaughan's "Columbian" is the correct blend.
 Price, 1/2 lb., 55c; 1 lb., \$1.00; 2 lbs., \$2.00; 3 lbs., \$2.95; 5 lbs., \$4.85; 10 lbs., \$9.50; 15 lbs., \$14.15; 20 lbs., \$18.75; 25 lbs., \$23.25; 100 lbs., \$89.00.

Vaughan's Dense Shade Formula
 Composed of grasses most suited for growing in heavily shaded situations. A splendid mixture. It is also satisfactory in light shade.
 Price, 1/2 lb., 55c; 1 lb., \$1.00; 2 lbs., \$2.00; 3 lbs., \$2.95; 5 lbs., \$4.85; 10 lbs., \$9.50; 15 lbs., \$14.15; 20 lbs., \$18.75; 25 lbs., \$23.25; 100 lbs., \$89.00.

Vaughan's No. 25 Lawn Formula
 An economy blend for new seedings and quick results which should be followed by reseeding with a more permanent blend like our "Chicago Parks." In spite of its low price, this blend does not contain timothy. Sow at the rate of 1 lb. to every 200 sq. ft. Begin cutting when grass is 3 to 4 inches high and continue to cut regularly to keep turf fine.
 Price, 1 lb., 75c; 2 lbs., \$1.50; 3 lbs., \$2.20; 5 lbs., \$3.60; 10 lbs., \$7.00; 15 lbs., \$10.40; 20 lbs., \$13.75; 25 lbs., \$17.00; 100 lbs., \$64.00.

White Clover For Lawns
 Extra fancy seed. Price, 1/4 lb., 40c; 1/2 lb., 75c; 1 lb., \$1.40; 2 lbs., \$2.80; 3 lbs., \$4.15; 5 lbs., \$6.75; 10 lbs., \$13.25; 15 lbs., \$19.50; 20 lbs., \$25.40; 25 lbs., \$30.75.

All Grass Seed is Prepaid to Any Part of the U. S. A.—There is an Extra Charge by Post Office for Collection on C. O. D. Packages.

Hardy Perennial Plants for Fall Planting

HARDYperennials may be set out this fall in time to become well established before winter sets in; and next year will see them better developed, and bearing finer flowers than can be obtained from plants set in your border next spring.

We do not list the kinds which need special protection through the winter. It is always well to apply a light mulch of straw or excelsior over newly planted perennials after the ground has frozen. This will tend to prevent winter thaws and frost heaving.

No orders for Perennial Plants accepted for Fall delivery after October 10th.

SPECIAL VARIETIES OF PHLOX

- Charles Curtis.** Brilliant cherry red. Very showy.
Flash. Rich carmine-rose with orange-scarlet center
July Lights. A brilliant carmine red with blood red eye.
Miss Lingard. Long accepted as one of the best cutting varieties, pure white. Splendid for bouquets and mixed floral arrangements.
Salmon Beauty. Rich salmon pink with white eye.
 Your choice of the above varieties, 75c each; 3 for \$2.00; doz., \$6.25; or one each of the above 5 for \$3.35.

STANDARD VARIETIES

- Africa.** The favorite deep red. Good grower and sure, heavy bloomer.
Annie Laurie. One of the best new salmon-reds. Sturdy grower.
Count Zeppelin. Very strong grower and free flowering. Large white blooms with vivid bright red eye.
Daily Sketch. One of the best introductions of recent years. Immense flowers of light salmon pink with carmine eye.
E. I. Farrington. A Phlox of distinctive beauty. Flower trusses are extremely large and color is a delightful salmon shade with slightly darker eye.
Ethel Pritchard. Rich bluish-violet which blends well with other colors.
Leo Schlageter. One of the brightest and flashiest of all red Phlox. Sturdy grower and very free bloomer.
Prime Minister. Clear pure white, brilliant red center
 On all of above. Each, 60c; 3 for \$1.50; doz., \$4.75.
Collection. One each of the above 8 varieties, \$4.00.

DELPHINIUM

- Vetterle and Reinelt Pacific Hybrids.** This elegant strain of Delphinium is almost beyond description. Flower spikes 3 to 5 feet long, closely packed with individual flowers from 2 to 3 inches across; many are double, semi-double, some single. Plants resistant to mildew. Stems wiry and strong enough to resist high winds. Strong, well-rooted plants.
Black Knight. Darkest royal violet.
Blue Bird. Clear medium blue, with white bee.
Guinevere. Light pink-lavender, with white bee.
King Arthur. Royal violet, large white bee.
Summer Skies. Clearest light blue with white bee.
 All of the above, Each, 75c; 3 for \$1.95; doz., \$5.75.
Collection. One of each of the above five varieties, \$3.25
Other Hybrids
Belladonna Improved Cliveden Beauty. 2 ft. June-July. Exquisite turquoise blue. These are charming when combined in bouquets. Each, 50c; 3 for \$1.25; doz., \$4.25.

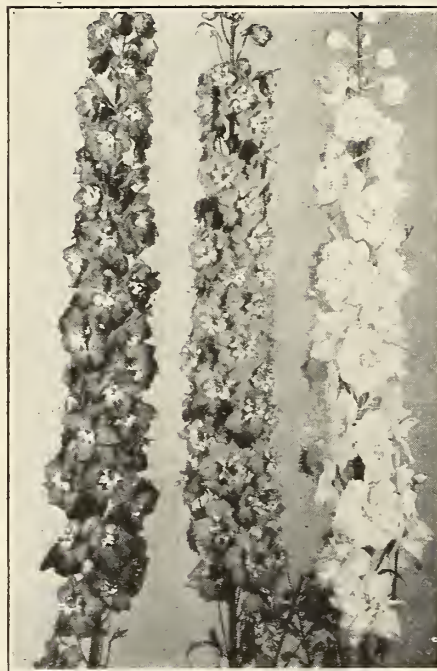
Add Postage for Plant Orders

Prices on this page do not include postage. For 12 plants or less include in your remittance postage in the following amounts: Single plants, 12c; 3 plants 16c; 6 plants, 20c; 12 plants, 25c. Shipments larger than 12 plants, will be made by express collect, unless otherwise instructed.

Please remember that a plant is a living organism, it feeds, drinks and breathes and must be cared for accordingly.



PHLOX Daily Sketch



DELPHINIUM Pacific Giants

DELIVERY GUARANTEE

We guarantee that all perennial plants are properly matured for use of the home gardener and that they will reach the customer in good condition.

Any complaint as to quality or condition of plants must be made at once upon receipt of shipment, and letter accompanied by packing sheet.

Check your order carefully before mailing. It is almost impossible to make changes on orders after they have been placed in process of filing.

ALYSSUM (Rock Madwort). Saxatile Compactum (Basket of Gold). Excellent plant for the rockery or borders. One of the showiest spring flowers with its large clustered blooms of bright yellow. Grows from 10 to 12 inches high. Very hardy. Blooms April and May. 60c each; 3 for \$1.50; Doz. \$4.75.

AQUILEGIA (Columbine) Crimson Star. Bright red outer petals with white center. Long spurred 3-inch flowers on 2 foot stems. A must in any perennial garden. 60c each; 3 for \$1.50; Doz. \$4.75.

Mrs. Scott Elliott's Hybrids. The finest color mixture grown. Flowers are large, have long spurs, and the colors cover all shades of lavender, purple, red, white, yellow, blue and pink. 50c each; 3 for \$1.25; Doz. \$4.25.

ARABIS (White Rock Cress). Alpina. A splendid creeping plant which seldom grows over 12 inches high. Bears masses of white blossoms in early spring. Foliage is very ornamental balance of the year. 50c each; 3 for \$1.25; Doz. \$4.25.

ARTEMISIA Silver King. A striking contrast plant with light silver gray foliage. May be cut and dried for winter use. 60c each; 3 for \$1.50; Doz. \$4.75.

ASTERS (Michaelmas Daisy)

Beechwood Challenger. Darkest red of all.

Harrington's Pink. Finest true pink. Large flowers of luminous pink on bushy plant.

Royal Blue. A deep blue. Produces myriads of large, showy flowers.

White Lady. Large, graceful white flowers in profusion.

All above 60c each; 3 for \$1.50; Doz. \$4.75.

COLLECTION. One of each of the above four varieties, \$2.00.

CARNATIONS Hardy Grenadin Mixed. Old time favorite. Blooms always an available table bouquet. 50c each; 3 for \$1.25; Doz. \$4.25.

CARNATION Crimson King. 2 ft. Closely resembling a greenhouse Carnation in size and habit of growth. Large, fragrant, bright crimson blooms of velvety appearance borne in profusion in June and continuing until frost. Each, .75c; 3 for \$1.95; doz., \$5.75.

COREOPSIS. Double Sunburst. Brilliant double yellow flowers 1½ inch to 2 inch in diameter. 50c each; 3 for \$1.25; Doz. \$4.25.

DIANTHUS BARBATUS

Single Sweet William 18-24 in.

Vaughan's Special Mixture of Sweet William Mixed only. Plants, each, 45c; 3 for \$1.15; Doz., \$4.00.

EVERBLOOMING SWEET WILLIAM

Latifolius Atrococcineus Flora Plena. A beautiful summer blooming variety as it bears brilliant fiery crimson blooms all through the season. Very hardy and a sturdy grower. Plants, each, 60c; 3 for \$1.50; Doz., \$4.75.

GAILLARDIA (Blanket Flower). Dazzler.

One of the most brilliant of the family. Large flowering type with blooms of bright golden yellow centered by a disc of satiny maroon. 2 ft. 50c each; 3 for \$1.25; Doz. \$4.25.

Goblin Dwarf. A true dwarf Gaillardia which deserves a place in every garden. Grows 12 to 15 inches high in very compact shape. Foliage practically disappears under the mass of large deep red and gold blooms. 50c each; 3 for \$1.25; Doz. \$4.25.

Portola Hybrids. Extremely large flowering strain and noted for the wide range of deep colors which vary from reddish brown to deep gold. Makes colorful bouquets. 2 ft. 50c each; 3 for \$1.25; Doz. \$4.25.

DICENTRA Spectabilis. (Bleeding Heart). Its long racemes of graceful, heart-shaped pink flowers are always attractive. A fine plant for that shady spot. \$1.00 each; 3 for \$2.75; Doz. \$7.25.

PERENNIAL PLANTS—Continued.

GYPSOPHILA Paniculata Bristol Fairy (Double Baby's Breath). Early double pure white large flowering perennial Baby's Breath. Produces a second crop of spikes. 75c each; 3 for \$2.00. Doz. \$6.25.

"Pacifica". Beautiful pearly pink blooms in branching panicles. Grows 18 inches tall and blooms in September and October. Excellent for use in fall bouquets. 65c each; 3 for \$1.75; Doz. \$5.50.

IMPROVED HEMEROCALLIS (Day Lilies)

Bagdad. Rich mahogany red. 42 in. Blooming June and July. Each, 75c; 3 for \$1.95; doz., \$5.75.

Calypso. Large light cadmium yellow. 40 in. July and August. Each, 60c; 3 for \$1.50; doz., \$4.75.

Hyperion. The finest Citron yellow available. Delightfully fragrant. 40 in. Blooming July. Each, \$1.00; 3 for \$2.65; doz., \$7.25.

Imperator. Star Shaped blooms of orange red lined with sulphur. 40 in. Blooming July and August. Each, 60c; 3 for \$1.50; doz., \$4.75.

Margaret Perry. Brilliant orange scarlet, lined with yellow. 48 in. Blooming July and August. Each, 60c; 3 for \$1.50; doz., \$4.75.

Modesty. Large flowering pale yellow. 30 in. June and July. Each, 75c; 3 for \$1.95; doz., \$5.75.

Collection: One each of the above 6 varieties \$3.85.

HIBISCUS (Rose Mallow) Avalon Hybrid. A new hybrid strain. Different in form, foliage, season, habit and color. Flowers mostly of bell shape, and vary from blush through pink, rose and vivid reds. Blooming season lasts until middle of October. 60c each; 3 for \$1.50. Doz. \$4.75.

Jumbo Red. A special selection made to improve color and size of the flower of the Mallow Marvels Red. Plants, each, 55c; 3 for \$1.35; Doz., \$4.50.

HEUCHERA (Coral Bell). Plants have rosette-like clumps of attractive foliage from which dainty stems arise to a height of 18 inches. Small bell-like flowers from panicles at the upper part of the stem. Very dainty and attractive in beds or when cut. We offer the ROSEA variety which has a beautiful deep pink color. 60c each; 3 for \$1.50; Doz. \$4.75.

HOLLYHOCKS. Newport Pink. Rich, shimmering pink blooms on tall stems.

Scarlet Beauty. Brilliant scarlet color for bold backgrounds. Price of above. Each, 45c; 3 for \$1.15; doz., \$3.75.

PHLOX SUBULATA (Dwarf Creeping Phlox). One of the best rock garden plants. Strong grower with a creeping habit. Multiplies very rapidly. Blooms in May. Very prolific.

LILACINA—Pale lilac lavender.

ATRO-PURPUREA—Dark purple.

Price of above varieties, 60c each; 3 for \$1.50; Doz. \$4.75.

LIATRIS (Kansas Gay Feather)—September Glory. A giant 6-foot spike solidly covered with purple flowers from top to bottom. The flowers, unlike the common variety, come into bloom all at the same time, creating a marvelous effect. Each, 75c; 3 for \$1.95; Doz. \$5.75.

LINUM (Flax) Perenne Blue. 2 ft. May-Aug. Has dainty sky-blue flowers on graceful arching stems. Blooms produced continuously in profusion. Each, 50c; 3 for \$1.25; Doz. \$4.25.

PYRETHRUM (Painted Daisies) Robinson's Hybrids Mixed. Foliage is fernlike and ornamental. No other perennial flower possesses such color, hardiness, and general usefulness as these gorgeous blooms. The mixed colors blend and contrast with one another in a most pleasing profusion of gay bloom. This is a really great new strain. 60c each; 3 for \$1.50; Doz. \$4.75.

RUDBECKIA Purpurea. Reddish purple flowers, large, brown cone-shaped center. 2 to 3 foot stems. Blooms July to October. 60c each; 3 for \$1.50; Doz. \$4.75.

SCABIOSA (Pincushion Flower) Caucasica Perfecta. Do well in any ordinary garden soil. Stems 18 to 24 inches long topped by charming flowers in a soft lilac lavender shade. In bloom from June to September. Each, 60c; 3 for \$1.50; doz., \$4.75.

VINCA Minor (Grave Myrtle) Bowles Variety. A fine ground cover for shady places. Flowers of an intense blue. 45c each; 3 for \$1.15; Doz. \$3.75.

VIOLET Royal Robe. Lustrous violet blue, huge very fragrant flowers, opening like a pansy. 60c each; 3 for \$1.50; Doz. \$4.75.

Vaughan's NATURAL FLORAL Perfumes

Vaughan's Perfume Sampler Five Odors, 1 dram each, \$2.40.

To enable you and your friends to try our natural floral perfumes, we have packed these attractive sampler gift boxes, containing five odors of our selection, one full dram of each. This price covers both postage and excise tax. Do not add anything for either.



THE QUALITY of Vaughan's Natural Floral Perfumes is attested by the many women of prominence in society, on the stage, and radio, who regularly purchase our perfumes and colognes for their own use and for gifts to their friends. They have found in these perfumes a recreation of the fragrances they prefer, truer than was provided by the best imported perfumes.

Size Perfume	Price	Size Cologne	Price
1 dram . . .	\$0.78	1 oz	\$0.60
2 drams . . .	1.50	4 oz	1.50
1/2 oz	2.70	1/2 pint . . .	2.82
1 oz	4.80	1 pint	5.40

These prices are prepaid. Do not add Federal Excise tax: Above prices include the tax.

Available in Either Cologne or Perfume

Cologne is about one-eighth the strength of perfumes (about double the strength of ordinary toilet water).

Appleblossom: Soft, yet fresh and clean. **Bouquet S:** A delicately feminine blend of rich floral oils.

Bouquet X: Another blend, slightly "drier" and less sweet. An exotic fragrance.

Carnation: Many acknowledge it as the best recreation of this beloved old favorite.

Wild Rose: Like the breeze through a Sweet Briar hedge in June.

Clove Pink: Similar to carnation. **Wild Spice:** Like a clipper ship laden with spices.

Forest Breeze: A smoky, piney fragrance.

Freesia: the most accurate reproduction available of this elusive fragrance.

Gardenia: Not sweet like so many "Gardenia" perfumes—a rich, intense odor.

Geranium: Like a crushed geranium leaf.

Hawaiian Lei: A lovely blend of exotic tropical flowers.

Heather: A rich "smoky" or "peaty" fragrance that goes well with sport clothes.

Honeysuckle: An old favorite.

Lilac: This outstanding fragrance is again available. Like lilacs wet with morning dew.

Lily of the Valley: At last, a satisfactory reproduction of this elusive scent.

Parma Violet: The full richness of this famous old time luxury perfume.

Red Rose: The Damask Rose type.

Sweet Pea: The true fragrance of the original Spencer sweet pea.

Violet: The English violet. **White Rose:** Once more available.



VAUGHAN'S PERFUME BAR 7 Odors, Half-dram each, \$3.60, tax paid Add 15 cents for postage

The attractive 6 1/2 x 3 1/2 inch container of polished wood, illustrated holds 7 half-dram bottles, each containing one of the following floral odors:

- Narcissus Carnation Apple Blossom
- Gardenia Lily of the Valley Lilac Honeysuckle

It makes a decorative fixture for the dressing table, a gift which is sure to be welcomed.



COLOGNE SAMPLER
 1/2 oz. each of six most popular odors **\$1.25**
 Tax Included
 Postpaid,
 Attractive as a gift. Particularly suitable for 'teen agers as well as for the mature woman of taste. Prepacked, our selection of odors.

Flower Seeds for Fall Sowing

WHEN you sow seeds of annuals in Fall, you imitate Nature's method. Practically all hardy annuals will produce stronger, sturdier plants with earlier bloom by this method. Even when spring sowing is desirable experienced gardeners also sow in fall because they then have a continuous season of bloom. Also, they can sow at their leisure instead of trying to plant everything in a few short weeks. Do not be in too much of a hurry to sow.

The ideal time is just before the ground freezes for the winter. November 15th is early enough in normal seasons in the vicinity of Chicago and New York. If the ground has

been prepared in advance, sowings can also be made during winter thaws.

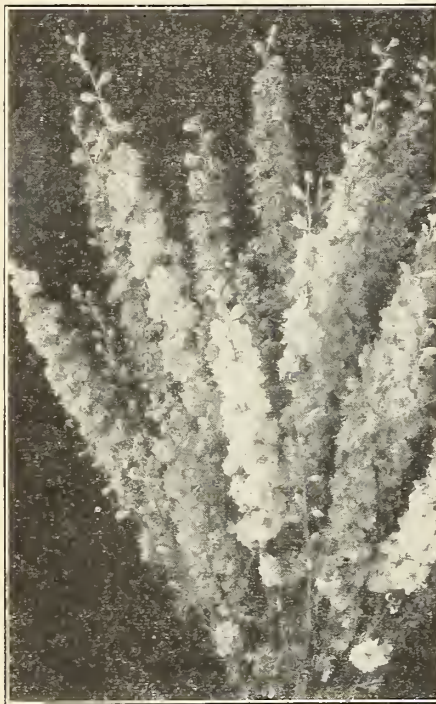
A fine seed bed is desirable, if the sides are protected with boards it will save the seed from washing away. A light covering may be used if birds are troublesome. Plant at half the depth used when sowing seed in spring. Broadcast all small seed.

★Varieties preceded by star are especially recommended for sowing in the fall above your bulbs. They will grow in the spring and blossom after the bulbs. Their shallow roots will not interfere with the bulbs maturing properly; their growth will conceal the bulb foliage after it grows yellow and unsightly.

Larkspur Prefers Fall Sowing

★Larkspur Giant Imperial (Base Branching). These Larkspurs are ideal for cut flowers as the flower stems, three to four feet long, branch from the base of the plants.

- 2151 **Blue Bell.** A fine medium blue.
 2172 **Dazzler.** A rich scarlet base.
 2155 **Exquisite Pink Improved.** Soft pink.
 2163 **Sweet Lavender.** Light lavender blue.
 2175 **White King.** Pure glistening white
 Any of the above, pkts., 15c; 3 pkts., for 35c.
 2159 **Giant Imperial Mixed.** The above and others. Pkt., 15c; ¼ oz., 50c; oz., \$1.60.
 3390 **Nicotiana Affinis.** (Sweet-scented Tobacco plant). White. Pkt., 10c.
 3393 **Nicotiana Crimson Bedder.** The flowers are of rich deep crimson. Pkt., 15c.
 3420 **Nigella Miss Jekyll Dark Blue.** Bearing on long stems, large semi-double flowers of a charming intense dark blue nestling in fine feathery foliage. Pkt., 10c.
 4018 **Petunia Rose of Heaven Select.** Rich brilliant rose, with inconspicuous white throat, darker than Rosy Morn. Pkt., 25c; ¼ oz., 75c.
 4025 **Petunia. Vaughan's Special Mixture of Dwarf Small Flowering Varieties.** Will be a revelation to those who plant a packet, in furnishing an unending supply of flowers in a most bewildering combination of colors. Pkt., 25c; ¼ oz., 75c; ½ oz., \$1.25.
 4370 ★**Poppy. Vaughan's Special Shirley Mixed.** Pkt., 15c; ¼ oz., 30c.



ANNUAL LARKSPUR (Giant Imperial Mixed)

- 255 ★**Alyssum Vaughan's Little Gem.** Snow-white carpet plant. Pkt., 10c; ¼ oz., 40c.
 259 **Alyssum Violet Queen.** A beautiful, fragrant sweet Alyssum, of bright clear violet hue. Pkt., 15c; ¼ oz., 60c; 1 oz., \$2.00.
 332 **Antirrhinum.** (Snapdragon). Rust-resistant Super Majestic Mixed. Pkt., 20c; 3 pkts., 50c.
 1287 ★**Candytuft.** Mixed all colors. Pkt., 10c; ¼ oz., 30c.
 ★**CENTAUREA CYANUS SUPER-DOUBLE (Bachelor's Button)**
 1506 **Blue Boy.** Corn-flower blue.
 1507 **Pinkie.** Lovely true pink.
 1508 **Red Boy.** Deep glowing red.
 1509 **Snowman.** Pure white.
 Each of above, pkt., 15c; any 2 pkts., for 25c; ¼ oz., 30c.
 1522 **Vaughan's Special Super Double Mixed.** Pkt., 15c; ¼ oz., 25c; ½ oz., 40c.

- 1966 **Cosmos Sensation Special Mixed.** Giant early strain. Pkt., 25c.
 2015 **Cynoglossum Blue Bird.** (Chinese Forget-Me-Not). 18 to 24 in. Large sprays of brilliant blue Forget-Me-Not like flowers. Pkt., 10c; ½ oz., 25c.
 2259 **Dianthus Heddewigii Galety.** Very large, showy fringed flowers; wide range of lovely colors; pure white to crimson. Pkt., 25c.
 2861 **Hunemannia Sunlite.** Gorgeous, semi-double, clear canary-yellow blooms. Light gray-green foliage. Pkt., 15c.



PANSY, SWISS RASPBERRY ROSE

Pansies, Giant Swiss

- 3892 **Alpenglow.** Rich wine-red shades. Pkt., 25c.
 3896 **Berna.** Dark violet blue. Pkt., 25c.
 3891 **Blue (Ullswater) (Thuner Sea).** Deep blue flower with blue-black blotches. Pkt., 25c.
 3820 **Coronation Gold.** The largest pure gold self. Pkt., 50c.
 3900 **Pure White.** Pkt., 50c.
 3894 **Vaughan's Super Swiss Giant Mixture.** ¼ oz., \$1.25; pkt., 35c.
 3901 **Pansy Swiss Raspberry Rose.** A lovely tint of pink best described as Raspberry Rose. It has a suggestion of a lighter tone on the edges of the petals and is marked with a velvety blotch in a deeper tone. Pkt., 75c.

SPECIAL MIXTURES

- 3794 **Vaughan's Super Maple Leaf Giant Mixture (Canadian Giants).** The leaves are of giant size and flowers up to 4 inches across, of wonderful substance and fine form. Many charming colors. ¼ oz., \$1.50; Pkt., 50c.
 3875 **Vaughan's Giant Mixture.** This mixture contains all the self-colors, such as white, yellow, blue, purple, red, bronze, etc. All the flowers are of the Giant type and of good shape and texture. ¼ oz., \$1.50; Pkt., 25c.

Viola Cornuta

- 5790 **Blue Perfection.** Light blue. Pkt., 15c.
 5789A **Blue Beauty.** Bright blue. Pkt., 15c.
 5804 **Chantreyland.** Apricot. Pkt., 25c.
 5802A **King Henry (Purple King).** Deep purple violet with lighter center and yellow eye. Pkt., 25c.
 5796 **Jersey Gem.** Flowers of rich pure violet, large, fragrant. Pkt., 25c.
 5806 **White Perfection.** Finest white. Pkt., 15c.
 5795 **Nosegay.** A blend of bright gay colors, red, yellow, blue and apricot, combined with many blotched combinations. Pkt., 25c.
 8582 **Super Large Flowering Scotch.** The flowers are large, all two toned without blotches and have a complete color range. Pkt., 25c.

CORNUTA HYBRIDA (Large Flowers)

- 5787 **Arkwright Ruby.** Bright ruby crimson shaded terra-cotta; fragrant. Pkt., 25c.
 5790A **Chinese Blue.** A round-faced type. According to the Royal Horticultural Chart, is French Blue. Pkt., 25c.
 5798 **Lutea Splendens.** 8 in. Bright yellow. 10c.

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

Perennial Delphinium PACIFIC GIANT HYBRIDS

The new 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.

- 7559B **Blue Bird.** A clear medium blue with white bee with high tall spikes.
 7563 **Black Knight.** Large flowers of varying dark violet shade.
 7559A **Blue Jay.** From medium to dark blue with dark bee.
 7563A **Cameliard Series.** This is a pure lavender self with white bee.
 7560 **Galahad.** Clear white, highly mildew resistant.
 Each of the above, large pkt., \$1.00; small pkt., 50c.
 7561 **King Arthur.** Royal violet, large white bee. Large pkt., 75c; small pkt., 40c.
 7561A **Guinevere.** Light pink lavender with white bee. Large pkt., 75c; small pkt., 40c.
 7562 **Summer Skies.** Light blue with white bee. Large pkt., 75c; small pkt., 40c.
 7562A **Clear White.** Of glistening texture. Large pkt., 75c; small pkt., 40c.
 7559 **Round Table Series.** As the name implies this represents all of the color combinations of the above Knights and their Ladies. Large pkt., 75c; small pkt., 40c.

Supplies for Fall and Winter Gardens

Special Chemical Aids

ROOTONE

A hormone powder easy to use, which stimulates root development. No skill is needed to apply; just dip and plant. Price, ¼ oz. pkg., 25c; 2 oz. jar, enough to treat 3,000 cuttings, \$1.00; 1 lb. jar will treat up to 30,000 cuttings, \$5.00.

Rootone No. 10. For rooting of Azaleas, and other woody cuttings. 2 oz. jar, \$2.00; 1 lb. can. \$10.00.

Write for leaflet; all postpaid.

FRUITONE

The hormone spray for stopping pre-harvest drop. 2 ½ oz. pkt., 25c; 2 oz., \$1.00; 8 oz., \$2.00.

ROSETONE

Vitamin and Hormone combination for Roses ¼ oz., 25c; 3 oz., \$1.00.

TRANSPLANTONE

For treatment of transplants of all kinds it contains the root forming hormones and Vitamin B-1. ¼ oz., 25c; 3 oz., \$1.00; lb., \$4.00.

Floralife Keeps Cut Flowers Longer

Just stir patented Floralife into vase of water. More than doubles life of florist or home grown bouquets. Maintains color and fragrance. Acts like magic Floralife also stimulates; makes buds open wide and expands size of blossoms. No need to change water or re-clip stems. Fully guaranteed. 3 packets (each packet treats two quarts water) 25c.

An excellent gift to all flower lovers and hospital patients, contains 15 colorful packets, \$1.00 . . . 30 qt. economy Handy-Home box, \$1.00; 100 qt. size big drum, \$3.00; postpaid \$3.25.

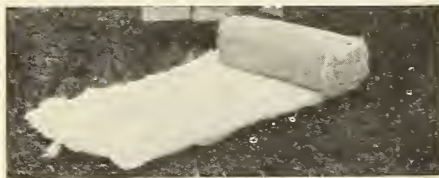
Magic Soil Substitute for Starting Plants

TERRALITE is a prepared form of vermiculite, cleansed of all impurities which might injure plants, and of the correct sizes for horticultural use. Completely sterile, and free of all organisms which might cause damping off, it is one-tenth the weight of soil and has remarkable ability to retain both water and air; both of which are vital to plant growth.

In addition to being an unsurpassed medium for starting seeds and rooting cuttings, it is effective as a soil conditioner.

Material is made in three grades, coarse for base or foundation; medium, for the center layers, and fine for using on the surface of seed starters.

Prices, ½ peck bag, 40c; ½ bushel bag, 90c; 1 bushel bag, \$1.95. All shipped by express, charges collect



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, put up in mats, 24" x 96" in size and are an approximate 1½ inches thick at 2½ lbs. per cubic ft. density. Price, per bat, \$1.25; three for \$3.30; carton of 12, \$12.00.

GLAZING POINTS, Vaughan's Perfection. No rights or lefts. No. 2, small, single thick glass; No. 2½, double thick, for greenhouse and skylights. Per lb. (approximately 900), 75c; postage extra

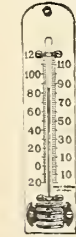
Siebert's Improved, ⅔ and ⅜, price per lb., 75c.

THERMOMETERS. White Porcelain, 8-inch. Each, \$1.50.

Tin Case, standard grade tested, 12-inch, Each, \$3.25.

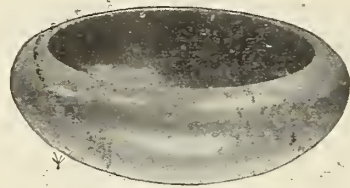
Hotbed, all glass heavy point, \$1.35. Self-Registering with magnet to set it, 8-inch, registers highest and lowest temperature, Each, \$10.00.

LABELS, Wooden, for Pots. Per 100 1000
 4 in., painted.....\$0.65 \$3.25
 6 in., painted......80 4.65
 Tree (copper wired) 3½ in......80 4.65



Bowls for Growing Bulbs

BULBS which are easily forced in bowls are described and illustrated on Pages 11 and 13. Attractive and inexpensive floral decorations for the living room and sunparlor can be produced by anyone who will follow the simple directions supplied.



F. L. STYLE BOWLS

(Not illustrated). A pottery with slightly rolled top in matt green, blue or jet black glaze finish. Prices: 6-inch (wt. 2 lbs.), 70c; 7-inch (wt. 3 lbs.), 85c; 8½-inch (wt. 4 lbs.), \$1.00.

For parcel post delivery add 10c per bowl postage.

PEARL CHIPS AND BULB FIBRE

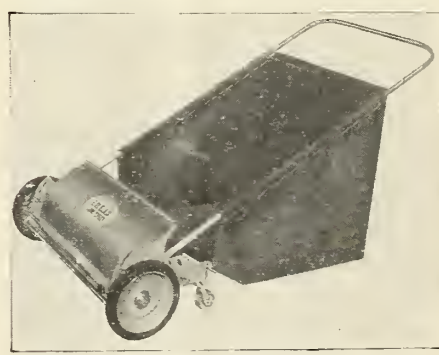
Pearl Chips, white, per lb., 10c; 10 lbs., 75c. Colored, per lb., 15c; 10 lbs., 85c; add 10c per lb. for postage.

Vaughan's Prepared Fibre

For Growing Bulbs in Bowls, without Drainage. Per lb., 25c; 3 lbs., 60c; 10 lbs., \$1.25; add 10c per lb. for postage.



Lawn and Leaf Rake. Durable made of 20 genuine spring steel tines, 18 in. spread. Handle measure 48 in. Each, \$1.25.

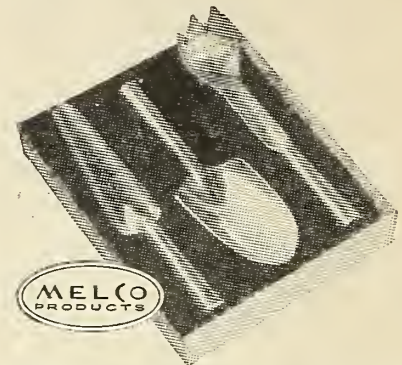


EXCELLO 24" LAWN SWEEPER

Save time and energy, eliminate tedious raking, let the quiet Excello Lawn Sweep gently sweep leaves, grass, clippings, small twigs and paper from your lawn and driveway into a canvas basket with easy action. Width 24". All castings of special aluminum alloy. Strong, durable and rust-proof. Semi-pneumatic tires. Brush unit mounted on self adjusting chrome steel bearings. Aluminum alloy caster wheels provide ease of operation. Shipping weight 55 lbs. Each \$37.50.

We prepay all light items listed on this page, and where price does not include delivery, the additional amount required for postage is specifically noted. If this amount is not forwarded delivery of such items will be by express, charged collect.

Gift Suggestions



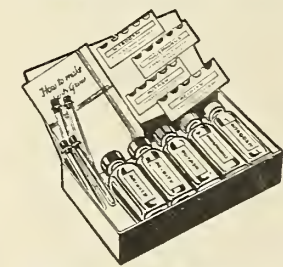
Melco Polished Feather-Light Garden Set

Set of 3 for \$3.95, postpaid \$4.25

Made of cast aluminum as strong as steel, these tools are light as a feather, and moulded to fit your hand. They are absolutely rust-proof, and easily cleansed and polished, so they will be beautiful as well as useful as long as they last, which will be for many years. A large trowel, small transplanting trowel, and hand-fork for cultivating are included in the set of three.

Soil Testers Easy to Use

Home Gardners's Kit, \$2.50, pstp'd \$2.60



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 greenkeepers throughout the country. Tests for nitrogen phosphorus, potash and acidity. It will make at least three separate tests for each element. No technical skill required. Results of tests are apparent immediately. The Sudbury Home Gardener's Soil Test Kit, complete with instructions. \$2.50; postpaid, \$2.60.

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., \$1.00; 6 oz., \$2.00, both postpaid.

Advanced Amateur Kit

\$4.75, postpaid \$5.00

An advanced amateur, or a garden club, 4-H, club or neighborhood group, will find this larger kit invaluable. It is housed in an attractive case of imitation leather and contains sufficient material for many accurate tests.

Handiest of All Sprayers Garden Hose Sprayer

This is a special mixing and spraying nozzle which attaches to the garden hose. Insert insecticide cartridge and spray—as easy as watering your lawn. Brass finish, each, \$4.00. Chrome finish, stationary nozzle, each, \$4.50; with adjustable nozzle, \$5.50.

36 inch extension, straight chrome finish, \$1.75.

We can supply a complete line of cartridges. Rotone, Nicotine, Pyrethrum, D. D. T., Sulphur, Bordo or Arsenate of Lead. Price, each, 35c, three for \$1.00; doz., \$3.85.

Fertilizers are delivered within 25 miles of New York by Freight or Express at our Option.
Errata—Prices on fertilizers in our catalogue are F. O. B. Chicago.
 Following are New York prices.

Vaughan's High Grade Fertilizers

These Prices Are Subject to Change Without Notice.

VAUGHAN'S "ROSE GROWER" BONE MEAL

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. Analysis: Nitrogen 3.7 percent; total phosphoric acid, 20 percent. Prices, 5 lbs., 75c; 10 lbs., \$1.25; 25 lbs., \$2.00; 50 lbs., \$3.90; 100 lbs., \$7.50.

Regular Bone Meal. 2.47% nitrogen; 20% phosphoric acid. 25 lbs., \$1.90; 50 lbs., \$3.75; 100 lbs., \$7.00.

BONE, Raw Ground. Excellent material for vine borders or greenhouse benches. Also all bulbs, indoors and outside. Fine for roses. High analysis. Prices, 25 lbs., \$2.00; 50 lbs., \$3.90; 100 lbs., \$7.50.

Cow Manure Dehydrated (Bovung). Manufactured by special process from selected fresh cleanings from cattle pens. There is no offensive odor, and when spread on lawn and garden it works down into the soil so that there is no refuse to blow about or be raked off when the growing season begins. 25 lbs., \$1.75; 50 lbs., \$2.50; 100 lbs., \$4.25; 500 lbs., \$19.00.

SHEEP MANURE

This is a pure, natural Manure, and its effect is immediate; it is excellent for mixing with the soil for greenhouse plants—one part manure and six parts soil. Strawn over and dug into the vegetable garden or placed directly in drills or hills, it promotes a rapid, steady growth until maturity. It makes the richest, safest and quickest Liquid Manure. For use in liquid form, one pound to five gallons of water will make a liquid which can be used with safety daily if necessary. 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$4.00; 500 lbs., \$18.00.

Activo. (Formerly called

Bacto) Make your own fertilizer easy, quick—often in as little as three weeks. Just sprinkle on kitchen waste, leaves, garden rubbish, sewage sludge, etc. 5-pound 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. Prices, 4 oz., 30c; No. 2 size, about 2 lbs., \$1.00; No. 7 size, about 7 lbs., \$2.00; No. 25 size, about 25 lbs., \$6.99.

Adco Artificial Stable Ma-

nure. Make it yourself, in your own garden. To each ton of straw, hay, corn-stalks or dried leaves add 150 lbs. Adco to make four tons of fresh or three tons of rotted manure. Adco contains nothing injurious to health or harmful to animal or plant life. Shipments accompanied by full directions. Prices, 5 lbs., \$1.25; 20 lbs., \$3.00; 150 lbs., \$12.00.

Agrico. Specially formulated for lawns, trees and shrubs. Provides ALL the needed plant foods—stimulating quick growth in early spring—providing slowly available plant food all season long. 6-10-4. Prices, 5 lbs., 45c; 10 lbs., 80c; 25 lbs., \$1.60; 50 lbs., \$2.65; 100 lbs., \$4.75.

Agrico Garden Fertilizer. 5-10-5. 5 lbs., 45c; 10 lbs., 80c; 25 lbs., \$1.60; 50 lbs., \$2.40; 100 lbs., \$4.25.

Agrico for Broadleaf Ever-

greens. Agrico for Broadleaf Evergreens not only supplies the right balance of all the needed plant foods, but one that also builds up soil acidity, which is essential for best growth. It is specially formulated to do both jobs properly. Apply Agrico for Broadleaf Evergreens in early Spring, at the rate of 3 lbs. per 100 sq. ft. For flowering plants, make a second application of 1 to 2 lbs. per 100 sq. ft., as soon as buds begin to appear. 10 lbs., \$1.10; 25 lbs., \$2.10; 50 lbs., \$3.40; 100 lbs., \$5.50.

Agrinite. 8 1/4% Nitrogen, all organic fertilizer; can be easily used in place of dried blood or tankage. Prices, 25 lbs., \$2.00; 50 lbs., \$3.50; 100 lbs., \$5.00.

Aluminum Sulphate. For creating acid condition in the soil. Prices, 5 lbs., 50c; 10 lbs., 80c; 25 lbs., \$1.50; 50 lbs., \$2.60; 100 lbs., \$4.75.

Ammonium Sulphate. 20.6% nitrogen. Prices, 5 lbs., 60c; 10 lbs., \$1.00; 25 lbs., \$1.75; 50 lbs., \$3.25; 100 lbs., \$6.25.

TERRA LITE

Is a prepared form of vermiculite, cleaned of all impurities which might injure plants, and of the correct size for horticultural use. This remarkable material has proved to give almost magical results as a substitute for soil in starting seeds and rooting cuttings. Price, 2 bu. bag, \$2.15; 1/2 bu. bag, 90c; 4 qt. bag, 50c.

Armours Special Ornamental Fertilizer. 10-6-4. Especially prepared for lawns, trees, shrubs and flowers. 100-lb. bags only, \$6.50 each.

Blood, Dried. For top-dressing, for mixing with the soil, and for applying in liquid form, it is one of the best and safest nitrogenous fertilizers. It is splendid for roses, carnations, chrysanthemums and all kinds of pot plants. Prices, 5 lbs., \$1.00; 10 lbs., \$1.75; 25 lbs., \$3.25.

Bulb Food. Potash where potash is needed (5-6-15). For Dahlias, Lily, Gladiola, etc. 5 lbs., 75c; 10 lbs., \$1.25; 25 lbs., \$2.75; 100 lbs., \$9.00.

Crystal Urea. A highly concentrated inorganic fertilizer containing 46 percent available nitrogen, clean, odorless, stainless, for flowers, vegetables, berries, shrubs, lawns, ornamental and fruit trees; 92 times stronger than manure. Prices, 5 lbs., \$1.00; 10 lbs., \$1.75; 25 lbs., \$3.75; 50 lbs., \$5.50.

Premier-nure. Nature's own fertilizer, is an ideal plant food combining poultry and cow manure with peat moss. Clean, soft and easy to use. 50 lb. bag will top dress 1000 square feet of lawn, or feed up to 500 square feet of garden area. Prices, 7 1/2 lb. bag, 60c; 50 lb. bag, \$2.25 each; 5 to 19 bags of 50 lbs., \$2.00 each.

Hy-Gro. 13-26-13. The soluble plant food. The ideal plant food for starter solution and most economical way of feeding plants. 1 tablespoon to a gallon of water will feed 20 plants for six weeks. 3 oz., 30c; 20 oz., \$1.00; 2 lbs., \$1.50; 10 lbs., \$4.00.

Hyponex Plant Food. For growing plants in sand, soil or water. One teaspoonful will make a gallon of complete plant food. 1 lb. will make 100 gallons. Prices, 3 ozs., 30c; 7 ozs. 50c; 1 lb., \$1.00; 10 lbs., \$8.00.

New Plant Life is that scientifically discovered liquid life restorer which has for a quarter of a century demonstrated in homes everywhere, growth and bloom far beyond the housewife's fondest expectation. 3 oz., 25c.

Peat Moss, Granulated. (Irish when available). A moisture-retaining humus, an important aid in saving soil fertility, better than manure. Large bale each, \$6.00.

Plantabs. The high analysis plant food tablet containing the proper amount of Vitamin B1. Prices, box of 30 tablets, 25c; box of 75 tablets, 50c; box of 200 tablets, \$1.00; can of 1000 tablets, \$3.50.

Rose Food. An organic, no filler, 100% plant food of dried blood, fish scrap, bone meal, potash, cottonseed meal and phosphate. This is a special mixture for growing roses and is a balanced, all-purpose fertilizer which can be used on all flowers, shrubbery, etc. 5 lbs., 75c; 10 lbs., \$1.25; 25 lbs., \$2.75; 100 lbs., \$9.00.

Sacco Plant Food 4-12-4 The complete all purpose plant food for lawns, flowers, trees, shrubs and gardens. 5 lbs., 50c; 10 lbs., 90c; 25 lbs., \$1.50; 50 lbs., \$2.75; 100 lbs., \$3.95.

Super Phosphate. 18%-20% available. Used on grain crops and others requiring an excessive amount of phosphoric acid. Prices, 5 lbs., 45c; 25 lbs., \$1.25; 50 lbs., \$2.00; 100 lbs., \$3.00; 500 lbs., \$13.00.

"Trace I" a complete plant food (8-16-7) containing 15 essential elements in guaranteed amounts. (Nitrogen, phosphorus, potassium, calcium, magnesium, iron, sodium, sulphur, manganese, zinc, boron, iodine, copper, molybdenum, cobalt). The new complete, balanced, soluble plant food, one teaspoonful in a gallon of water, treats 100 square feet. Use for house plants, gardens, lawns, shrubs, etc. 1/2 lb., 65c; 1 lb., \$1.00; 15 lbs., \$9.00.

Wedo (5-10-4 with 2, 4-D). The double acting lawn food, kills weeds feeds grass. 25 lbs., \$2.75; 50 lbs., \$4.95; 100 lbs., \$7.95.

Vigoro. Is a specially prepared plant food. It contains all the elements necessary to grow flowers, lawns, vegetables, shrubbery and trees. Complete directions in every bag. Prices, 5 lbs., 50c; 10 lbs., 90c; 25 lbs., \$1.60; 50 lbs., \$2.65; 100 lbs., \$4.25.

A Winter Window Garden

15 Bulbs Including Six Different Subjects With \$2.50
Vaughan's Prepared Bulb Fibre. Prepaid 300 Miles

INCLUDED IN THIS OFFER

- | | |
|--|--|
| 2 Amaryllis Hybrids. | 3 Chinese Sacred Lilies, mammoth bulbs. |
| 3 Narcissus King Alfred. | 1 Calla Lily White bulb, first size. |
| 3 Mammoth Paper White Narcissus bulbs, 14 ctms. | 2 Pounds of Vaughan's Prepared Bulb Fibre. |
| 3 Yellow Paper Whites (Grand Soleil D'Or) mammoth bulbs. | |

Most of you know how easy it is to force into flower the beautiful, fragrant, Paper White Narcissi, in bowls of water. By using Vaughan's prepared bulb fibre in place of pebbles, the variety of bulbs that can be forced is widely increased.

METHOD OF FORCING BULBS IN FIBRE. Moisten Vaughan's Prepared Bulb Fibre to saturation, fill the bowl with wet fibre, and plant the bulbs allowing their necks to emerge from the fibre, but without pressing the fibre too firmly around them. Place the bowl in a cool, airy place where the light is dim or dark, and preferably the temperature does not rise above 55 degrees. Keep the fibre moist, since if it dries out the flower buds may go blind. But water sparingly until good roots have formed. When strong top growth has been made in the dark, take the bowl to a sunny window, where it will have fresh air, all the sunlight possible especially in the morning, and preferably a temperature not less than 55 nor more than 70 degrees.

Complete Directions for Planting and Forcing. All These Subjects Are Included.

VAUGHAN'S BULB PLANTING CHART	
1 in.	
2 in.	
3 in.	CROCUS 3 in. APART SNOWDROPS 3 in. APART
4 in.	SCILLAS 3 in. APART GRAPE HYACINTHS 3 in. APART
5 in.	LILIIUM CANDIDUM 12 in. APART
6 in.	HYACINTHS 8 in. APART NARCISSUS 6 to 8 in. APART GIANT TULIPS 5 to 8 in. APART
7 in.	
8 in.	HARDY LILIES 12 to 15 in. APART
9 in.	

Figures given in this table are minimums, and in some cases should be greater. See discussion in column to left, headed "Pointers on Planting Bulbs."

Pointers on Planting Fall Bulbs

The first two months of spring, when garden beauty is most welcome, yet most rare, hardy bulbs supply the dominant flowers. And of all flowers, they offer the easiest, surest success.

Spring flowering bulbs prolong the garden season for a month at least; and in most sections they bloom at a time when all their surroundings are fresh and beautiful; when moisture is ample, weeds have not yet grown, and few if any insects bother them.

The greatest enemy of fall bulbs is poor drainage; they must be planted in locations where water drains away quickly, and if there is any doubt about this, beds should be raised above the surrounding surface sufficiently to insure it.

Bulbs will grow well in any reasonably good garden soil, but it should be well prepared to a depth of at least twelve inches. The depth of planting varies with the kind of bulb, but the depths shown on the accompanying planting chart are minimums, with deeper planting advisable in many cases.

When tulips are to be left for several years without lifting, bulbs should be placed 10 to 12 inches deep, where they will be cooler, will produce fewer "splits" and continue to maintain blooming size for long periods. Use no manure on bulbs unless it has been thoroughly rotted and can be spaded into the ground several weeks previous to planting. A balanced plant food applied to the soil at

the rate of 5 lbs. to 100 square feet and spaded into the soil will benefit the bulbs.

The earlier bulbs blossom in the spring, the more important it is to plant them early in the fall, so they will have time to make root growth in their new location. Daffodils and hyacinths especially benefit from early planting.

After the soil has been prepared, bulbs may be planted with a trowel, or by the use of a blunt-end dibber. Avoid using a pointed dibber, or any device which will permit the bulb to be caught by the sides of the hole with air beneath it. The bulb should rest on the bottom with soil packed firmly around it.

What is known as the Dutch method is sometimes followed in planting beds. Soil is thrown out to the proper planting depth, bulbs are then placed where they are wanted and the soil filled in above them. This is a convenient method where a formal pattern is followed in placing the bulbs.

In case of necessity, however, fall bulbs can be planted as late as the ground can be worked. It is a good rule to plant all bulbs as soon as you receive them and you are willing to disturb established beds. Tulips should go in when the leaves fall. When late planting is necessary, cover the bed with a mulch of leaves after the ground has frozen. This will prevent winter thaws, and consequent frost heaving.

Bulbs for Beginners

24 Bulbs, 4 Each of 6 Different Varieties, prepaid \$1.50

4 Scilla Siberica, 4 Grape Hyacinths, 4 Giant Tulips, 4 Hardy Daffodils, 4 Crocus, 4 Erythroniums—24 Bulbs.

36 Bulbs, 6 Each of 6 Different Varieties, prepaid \$2.40

6 Scilla Siberica, 6 Grape Hyacinths, 6 Giant Tulips, 6 Hardy Daffodils, 6 Crocus, 6 Spring Snowflakes—36 bulbs.



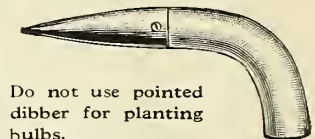
HOLE-IN-ONE PLANTING TOOL

Make a hole in one operation. Simply cut the tool into the soil, remove it with a twisting motion, and with the tool comes a plug of soil, leaving a perfectly flat bottomed hole. Small hand tool for cultivated soil. Each, 75c; postpaid, 85c.

Longhandle, each, \$6.00.

DIBBER

For transplanting vegetable plants, steel point (weight 10 oz.). Each, \$1.25; postpaid, \$1.35.



Do not use pointed dibber for planting bulbs.

2,4D WEED CONTROL FOR FALL SPRAYING

Tests have shown good results in preventing the germination of weed seed in spring lawns have followed spraying with 2,4D in the fall. Weedone, a liquid which is diluted with water and sprayed on the lawn is excellent for this purpose. It does not irritate the skin or corrode spraying equipment. Leaves no residue on plants which is harmful to live stock and does not make the soil sterile.

Size	Area Treated	Prepaid Price
6 fl. oz.	1,000 sq. ft.	\$0.75
1 qt.	5,000 sq. ft.	2.50
1 gal.	20,000 sq. ft.	6.50
15 gals.	100,000 sq. ft.	\$21.25 by express collect.

WEEDONE BRUSH WEED KILLER 32

Contains 2-4D and 2-4-5T controls Poison Ivy effective on Brush Patches fence rows and waste areas will kill grass in drives. Price, per gal., \$9.25; 5 gals., \$35.80.

BIRD SEED

RAPE, Large—sweet (not bitter like the small black). 1 lb., 45c; 5 lbs., \$1.95; 10 lbs., \$3.65; 25 lbs., \$7.75.

SUNFLOWER, 1 lb., 50c; 5 lbs., \$2.20; 10 lbs., \$4.15; 25 lbs., \$8.95.

CANARY SEED, 1 lb., 40c; 5 lbs., \$1.70; 10 lbs., \$3.15; 25 lbs., \$6.95.

VAUGHAN'S CANARY MIXTURE, 1 lb., 40c; 5 lbs., \$1.70; 10 lbs., \$3.15; 25 lbs., \$6.95.

FINCH SEED, 1 lb., 35c; 5 lbs., \$1.40; 10 lbs., \$2.60.

PARRAKEET SEED, 1 lb., 40c; 5 lbs., \$1.70; 10 lbs., \$3.15; 25 lbs., \$6.95.

VAUGHAN'S WILD BIRD FEEDING MIXTURE. (as recommended by the Illinois Audubon Society). 1 lb., 30c; 2 lbs., 50c; 5 lbs., \$1.00; 10 lbs., \$1.80; 25 lbs., \$4.10; postpaid. By freight collect, 100 lbs., \$13.00.

All prices prepaid, except where noted.

After bulbous plants have flowered, their leaves should not be cut or disturbed until they turn yellow, which indicates that the bulbs have ripened.

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

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		Total Weight, Amount for Postage Grand Total \$
		2 to 10 lbs.	11 to 70 lbs.	
		Local--Chicago or New York City	11c		1c	0.75c	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	12c	2.1c	2c	
Third Zone within 150 to 300 miles	13c	3c	2.8c	
Fourth Zone within 300 to 600 miles	14c	4.5c	4.25c	
Fifth Zone within 600 to 1000 miles	15c	6c	5.5c	
Sixth Zone within 1000 to 1400 miles	16c	7.5c	7.25c	
Seventh Zone within 1400 to 1800 miles	17c	9.5c	9.25c	
Eighth Zone all over 1800 miles	18c	11.5c	11.25c	

Filled by.....Checked by.....Packed by.....

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Date.....Book.....Weight.....



PARROT TULIP FANTASY

NEW PARROT TULIPS

Parrot Tulips have the largest blossoms, with long, deeply fringed petals and more of them. Prior to the world war, named varieties were few, and the new ones listed below are outstanding post-war novelties.

FANTASY. Not new, but still unrivaled in its color class. A mutant of the Darwin Clara Butt, it has the same rare salmon pink, in enormous flowers, on sturdy 27 inch stems. Doz., \$1.60; 100, \$11.00; 250 for \$25.00.

RED CHAMPION. Exactly the color of the fiery crimson Darwin tulip Bartigon, which many consider the brightest red of all, but bearing a flower of the characteristic Parrot type. Its long petals are waved, with edges deeply cut and fringed. Doz., \$2.35; 100, \$16.00; 250 for \$38.75.

VIOLET QUEEN. (Opal Queen.) All the beauty of form which is found in Fantasy, is here reproduced in a pearly violet blend with truly opalescent quality. The flower is huge, all petals deeply fringed. 26 inches high. Doz., \$1.60; 100, \$11.00; 250 for \$25.00.

GARDEN HYACINTHS

For bordering garden paths, and planting around bird-baths, pools and fountains, hyacinth bulbs of third and bedding sizes will serve well. They contribute to the spring garden fragrance and colors which no other flowers supply in that season.



Gertrude.—Rose-Pink.

Jan Bos.—Scarlet.

La Victoire.—Red.

Pink Pearl.—Rosy pink.

Queen of Pinks.—Rose.

Arentine Arendsen.—
Pure white, large bells,
splendid spike, best for
outdoor planting.

City of Haarlem.—
Golden Yellow.

Bismarck.—Lavender.

Grand Maitre.—Dark
porcelain blue.

King of Blues.—Very
dark blue.

Queen of Blues.—Very
light blue.

	Each	Doz.	100
First Size (18-19 Ctm.)	\$0.30	\$3.00	\$22.00
Second Size (17-18 Ctm.)	.25	2.50	18.00
Third Size (16-17 Ctm.)	.20	2.00	15.00
Bedding Size (15-16 Ctm.)	.18	1.75	13.00

Above prices are for your selection of named varieties.



VAUGHAN'S AMARYLLIS—MIXED

Our strain of giant flowered amaryllis is rich in brilliant red, and lovely white flowers, with many in which the white ground is vividly marked with contrasting tones of red, pink and salmon. In size, this strain has never been surpassed. Of all bulbs which the amateur can grow successfully indoors, the Amaryllis is the largest, most beautiful, surest to flower and most easily handled. See Page 9 for cultural instructions. Flowers are immense, in an amazing range of color blends, splashed and striped in a manner not seen in other strains.

	Each	Doz.	100
2 1/4-2 1/2 inch	\$0.40	\$4.00	\$27.00
2 1/2-2 3/4 inch	.50	5.00	35.00
2 3/4-3 inch	.75	7.50	55.00
3-3 1/4 inch	1.00	10.00	75.00



PEONY FLOWERED TULIP MOUNT TACOMA. Blossoming at the same time as the Darwin tulips, held upright on 23-inch stems, these huge white flowers are easily mistaken for peonies, which they resemble in size and form. They are an entirely distinct type from the early double tulips, excelling not only in size and height, but also in beauty. This is pure white, with occasional markings of emerald green on the outer petals. Doz., \$1.65; 100, \$11.50; 250 for \$26.25.

PEONY FLOWERED TULIP EROS. In any planting of tall, late giant tulips, a group of Eros will be the focal point. Though its companions present the most brilliant color of the garden season, the large, fully double flowers of Eros, held aloft on strong 20-inch stems, will dominate the show. Its color is a deep true pink with silvery high-lights; and it blossoms with the Darwin tulips. Doz., \$1.50; 100, \$10.50; 250 for \$23.75.

8 Modern Daffodils \$1.70

One Each of the Eight Varieties Illustrated on This Page, Prepaid



FIRST major flowers of spring, which thrive and multiply in most gardens, daffodils are being much improved, and growing more popular each year. Illustrated here are outstanding representatives of the principal types, recently introduced.

Back Cover Collection

Two each of the varieties illustrated on this page (16 bulbs)	\$ 3.00
Three each (24 Bulbs)	4.25
Six each (48 Bulbs)	8.00
Twelve each (96 Bulbs)	15.00

Prices of Separate Varieties

	Doz.	100
Top left, Actaea	\$1.65	\$11.00
Middle left, Francisca Drake	1.85	13.00
Bottom left, Winter Gold	2.60	18.00
Top center, Royal Sovereign	3.25	22.00
Bottom center, Fortune	3.00	20.00
Top right, Dick Wellband	2.25	15.00
Middle right, Hera	1.75	12.00
Bottom right, Geranium	1.75	12.00

ALL ABOVE PRICES PREPAID

