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6-2-27



Narcissus
Tulips
Hyacinths
Etc.

For Fall and Winter
Planting

Johnson's
Fall
Catalog

Season of 1922

**JOHNSON'S
SEED STORE**

2158 East Ninth Street
CLEVELAND, OHIO

A. B. M. C.

FALL 1922

Johnson's Fall Catalogue of French and Holland-Grown Bulbs

TO OUR CUSTOMERS AND FRIENDS

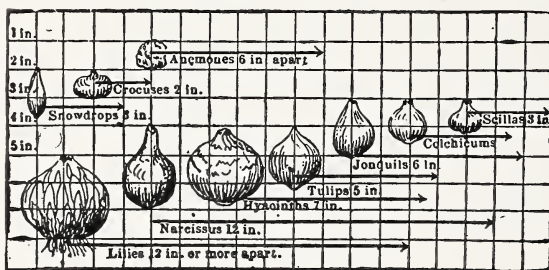
It is with pleasure that we again present to our customers our catalog of choice Dutch Bulbs. The Dutch Bulbs produce some of the showiest and most desirable of our garden flowers at a time when they are doubly welcome after the long months of winter.

Their ease of culture, brilliant colors and delightful fragrance have made them almost indispensable for garden decoration in early spring.

Our name has long stood for that which is best in our line. There are few who can supply as good bulbs as we and no one, no matter what his pretensions may be, is in a better position to procure first-class bulbs, true to name and of such excellent quality.

Information, either at our store or by mail is cheerfully given. May we not have a trial order from you if you are not already a customer?

JOHNSON'S SEED STORE



General Planting Table

The majority of bulbs should be planted at a depth of about twice their diameter, as shown in the chart herewith. In planting the choicer varieties a layer of sand beneath the bulbs is especially recommended for Hyacinths and Lilies.

BUSINESS RULES

Over thirty years' experience in growing and selling seeds and bulbs has given us a thorough knowledge of all the requirements and details of the business, and those who entrust their orders to us may feel every confidence that they will have intelligent and careful attention.

Our local trade is a very important branch of our business and we give it careful attention. We are in a position to furnish practically everything needed in Flowers, Vegetables or Farm growing.

Our clerks are courteous and know their business—being ready at all times to wait on you satisfactorily and to answer inquiries intelligently and cheerfully.

When making your first annual purchase, be sure to leave your mail address, so we can place our next catalog in your hands promptly.

Gardeners' and Head Farmers' Situations. We frequently have on file the names of practical gardeners and farm managers in want of situations. If parties desiring such will write us we shall be glad to put them in communication with men that we deem suitable. To aid us in making a selection we ask full particulars. We make no charge for this service.

Information Cheerfully Given. We make a specialty of giving, at our store or by letter, any information our customers require in Gardening Matters. Do not hesitate to call on us.

We cannot guarantee the well-doing of any seeds, plants or bulbs we send out, having no control over conditions—therefore:

Johnson's Seed Store gives no warranty, express or implied, as to description, purity, productiveness, or any other matter of any seeds, plants or bulbs they send out and they will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms they are at once to be returned.

Yours for best possible service,

Cleveland, Ohio, Aug. 15, 1922

2158 East Ninth St., Just South of Prospect Ave.

JOHNSON'S SEED STORE.

All prices quoted in this catalogue are subject to change without notice



Culture of Hyacinths

For the Garden.—The soil must have good drainage and be dug to a depth of 12 inches. The bed should slope from the center outward for surface drainage. A good top dressing of ground bone, well dug in, will suffice for the wants of the bulbs and also for the usual bedding plants to follow in such beds the next Spring. Plant the bulbs 6 to 9 inches apart and to a depth, from the crown of the bulb, of about 3 inches in heavy soil and 4 inches in light soil. Protect the beds with 3 to 4 inches of leaves or light litter, gradually removing this in the Spring. It is still better to cover with several inches of well-rotted and light manure, allowing this to remain on the beds in the Spring, this mulch keeping the beds moist and cool, through which the blooming period is considerably lengthened. The bulbs can be planted from October until the ground freezes, but early planting is preferable, as the root-growth has time to develop, enabling the plants to better withstand the Winter's severity, and also contributing to the production of the larger and more perfect flower-spikes.

For Pots, Bowls or Boxes.—Use porous soil thoroughly mixed with well-rotted manure and some sand, not omitting some drainage. A single bulb will require a 5 inch pot. Allow same proportionate space, when planting a number of bulbs in larger pots or window-boxes. Remove any sprouts there may be at the base of the bulbs. Plant the bulbs two-thirds below the surface, water thoroughly and place in a cool, dark but airy situation until the roots are well established, then bring to the light. A temperature of 50 degrees, gradually increased to 60 degrees, will be a factor in securing the finest spikes and brightest colors.

For Glasses.—Use only select bulbs for this purpose. Fill the glasses with clear, soft water, allowing the base of the bulb to barely touch the water. Place in a cool, dark location, letting them remain there until the roots nearly touch the bottom of the glass; then bring to the light. Replenish the water as it evaporates, or renew if it becomes offensive. As with pot-grown plants cool treatment will improve the quality of the blooms and render them more durable.

Named Hyacinth Bulbs All Extra Selected First Size Bulbs

Single-flowering varieties are principally grown both in indoor and outdoor culture. They force more readily and as a rule, produce larger and finer spikes of flowers than double-flowering varieties. Double Hyacinths are entirely satisfactory for bedding or pot culture, but require a longer season for their development.

DOUBLE HYACINTHS ARE INDICATED BY A STAR (*).

Price of Hyacinth Bulbs, except where noted, 15c each; \$1.50 per doz.; \$10.00 per 100. By Parcel Post, add for postage 2c each; 20c per doz.

Red, Rose and Pink Shades

La Victoire. (Victory). Brilliant dark pink. There is no brighter bedder. When planted outside its color is a brilliant red and the beauty of it is that the red color is plainly visible as soon as the bud appears, which makes a bed of Victoire attractive when other varieties show green buds only. When forced, the red color changes to a brilliant dark pink. The medium sized bells are very close together and form a long, heavy and splendidly finished spike.

Etna. Brilliant pink; large bells.

Gertrude. Dark pink; fine for pots.

Gigantea. Blush pink; large head.

Lord Balfour. Beautiful pink; very early.

Moreno. Waxy pink; large bells very early.

Rosea Maxima. Delicate pink; long loose truss.

Robert Steiger. Deep red; splendid bedder.

***Princess Louise.** Deep red.

***Lord Wellington.** The best double pink; large bells.

***Bouquet Royal.** Salmon rose, dark center.

Queen of the Pinks. Delicate, soft pink.

Miniature Dutch Hyacinths. Spikes larger and later than those of the French sort. Plant six to ten bulbs in pots or pans, according to size of vessel. Also used for outdoor planting. (See page 5.)

French Roman Hyacinths. These are used very extensively for forcing. The flowers, smaller than those of the preceding class, are more freely produced, two or more spikes shooting from a single bulb. Treat same as Dutch Hyacinths, in pots or boxes. The white variety, if planted early and gently forced, will bloom in December. The others are three or four weeks later. A 4-inch pot is large enough for a single bulb. Allow proportionate space when planting in larger boxes or pots. (See page 5.)

Remember that all bulbs sold or offered for sale by Johnson's Seed Store are the best that the best growers in their respective countries of production can produce. We do not handle "seconds" or inferior stock of any kind.

Hyacinths—Extra Selected First-Size—Continued

For prices of all First Size Hyacinths, see page 3
Pure White and Blush White

- La Grandesse. Snow white; large bells, very shapely truss.
- L'Innocence. Pure white.
- Madame van der Hoop. Almost pure white; large bells. Medium early.
- Baroness van Thuyll. Pure white.
- Arentine Arendsen. Snow white.
- *Isabella. Blush white; handsome truss.
- *Princess Metternich. Fine, double, blush white.
- Grandeur a Merveille. Blush white; large handsome truss.

Blue Shades

- Grand Lilas. Dark lilac; splendid for bedding and forcing.
- Grand Maitre. Deep lavender blue, shaded a darker blue.
- King of the Blues. Rich, dark blue; large flowers. Fine for bedding.
- Queen of the Blues. Unexcelled as a light blue.
- *Blokberg. Late; azure blue, shaded darker blue.
- Sir Wm. Mansfield. Mauve. Large, beautiful spike.
- General Kohler. Bright blue, extra fine.

Yellow Shades

- City of Haarlem. Golden yellow, undoubtedly the grandest variety among the yellows. The color is of the purest golden yellow, and the truss is large and well formed.
- Buff Beauty. Buff orange yellow; large bells; enormous truss.
- Daylight. Primrose yellow, best in color.
- Ida. Early; rich primrose yellow; fine spike.
- King of the Yellows. Rich, deep yellow, tall spike; large bells.
- Yellow Hammer. Golden yellow; forces easily; fine spike.
- *Goethe. Salmon yellow with pinkish center.
- Sunflower. Deep buff yellow.



Queen of the Blues.

Unnamed Hyacinths for Forcing and Bedding

Colors Separate. Single and Double Varieties

They are well adapted for open ground planting in mixed borders and informal beds, and on account of their low price are also extensively forced for Winter blooming and cutting. Add 1c per bulb or 12c per doz. to prices named below for postage.

	Doz.	100	1000
Dark Blue	\$.80	\$6.00	\$55.00
Light Blue .....	.80	6.00	55.00
Red and Rose .....	.80	6.00	55.00
Light Pink .....	.80	6.00	55.00
Pure White .....	.80	6.00	55.00

	Doz.	100	1000
Blush White	\$.80	\$6.00	\$55.00
Yellow .....	.80	6.00	55.00
Purple .....	.80	6.00	55.00
All Colors Mixed .....	.80	6.00	55.00

Standard Size Hyacinths

This grade is the best value offered in Hyacinths; the bulbs being of the same age as First Size but falling just below the required measurements of the latter; hence the important reduction in price.

For outdoor planting in beds and borders, they are preferable to their larger brothers; the flower spikes not being quite so heavy, endure much better the occasional rough winds during spring time.

We recommend the following for size of flower, good resistance against weather and for forcing quality:

Gertrude, Gigantea, Moreno, La Victoire, King of Blues, Queen of Blues, Lady Derby, L'Innocence, Grandeur a Merveille, Yellow Hammer, Lord Balfour, Robert Steiger, Arentine Arendsen, Van der Hoop, Grand Maitre. Prices, each, 10c; doz., \$1.00; 100 for \$7.50.

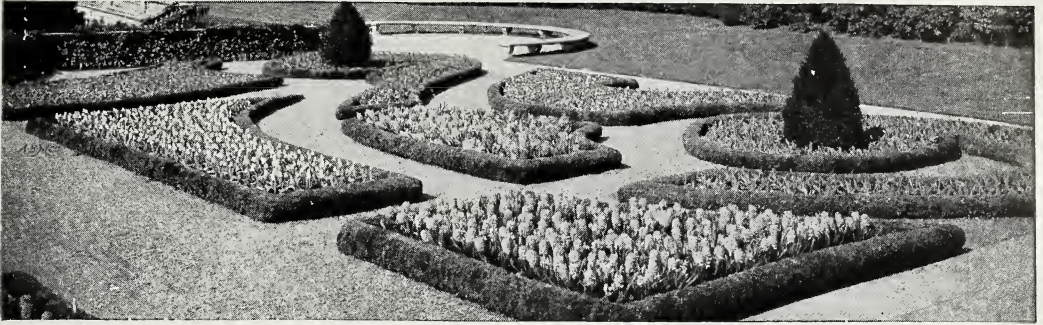
Top Root Exhibition Hyacinths

These are extra large bulbs—about 20 centimeters—and are fully aged for producing mammoth trusses for exhibition and contest purposes. We offer the following varieties in these Mammoth Bulbs: L'Innocence, Gertrude, Gigantea, Grand Maitre, King of Blues, Queen of Blues, Yellow Hammer, Lord Balfour, La Victoire, Arentine Arendsen. Each, 20c; doz., \$2.00; 100, \$15.00.

Hyacinth Glasses

We offer two styles of these glasses for growing Hyacinths in water. Belgian and Tye Shape.

	Each	Doz.
Belgian. Tall	\$0.35	\$3.75
Tye Shape .....	.35	3.75



Dutch Hyacinth Planting.

Miniature or Dutch-Roman Hyacinths

These are charming single-flowered varieties that can be used for pots, bowls, boxes, or bedded in the garden. They may also be grown in fiber with good results; plant quite close together.

All at 60c per dozen; \$4.00 per 100; \$35.00 per 1000.
By Parcel Post, add postage at 7c per doz.

- Gertrude. Clear pink.
- Gigantea. Delicate rose.
- King of the Blues. Dark blue.
- Garibaldi. Glowing carmine, early.
- La Grandesse. White.
- L'Innocence. Pure white.
- Mad. van der Hoop. Waxy white.
- Moreno. Lovely pink.
- Queen of the Blues. Azure blue.

Early Flowering French-Roman Hyacinths

Roman Hyacinths are exceedingly popular on account of their earliness, their abundance of sweetly perfumed flowers, and value for decoration in pots, baskets, or vases at seasons when white flowers are scarce.

Mammoth Bulbs. Specially selected. 14 cm. and over.
Per doz., \$1.00; per 100, \$7.00.

Grape Hyacinths

Hardy as an Oak. Splendid for Naturalizing.
Beautiful little flowers for planting in masses either in shade or sun. Also adapted for growing indoors. Plant six bulbs in a five-inch pot and treat same as Dutch Hyacinths.

	Doz.	100	1000
Improved Blue	\$0.20	\$1.10	\$ 9.00
Snow White .....	.25	1.20	10.00

Crocus

Large, Selected Bulbs

Crocuses, among the earliest bulbs to flower, are most effective when planted in masses on the lawn, or arranged in three or four rows of one color in the border. They are perfectly hardy, and may be left in the ground for three or four years after planting, without being disturbed. The best method is to scatter the bulbs about the lawn and use an ordinary garden dibble or transplanting trowel, inserting several bulbs in each place. This makes a very pretty effect in early Spring, and the foliage and tops may be safely cut along with the grass when the first mowing is made.

The Giant-flowering varieties are very ornamental when flowered in pots of eight to ten bulbs to a 5-inch size.

King of the White	Doz.	100	
			\$0.35 \$2.20
Mont Blanc. Pure white .....	.35	2.20	
Baron von Brunow. Purplish blue .....	.35	2.20	
President Lincoln. Deep purple .....	.35	2.20	
Cloth of Silver. White, silver striped ..	.35	2.20	
Sir Walter Scott. White, striped purple .	.35	2.20	
Mammoth Golden Yellow .....	.40	2.50	
Cloth of Gold. Golden striped brown ...	.35	2.20	
Kathleen Parlow. Purest white .....	.40	2.50	
Mammoth Finest Mixed. Extra large ...	.30	2.00	

If Crocus Bulbs are wanted by mail, add 4c per doz., or 20c per 100.

CROCUSES SCATTERED ABOUT THE LAWN ARE VERY ATTRACTIVE



Crocus Planting.

Johnson's Grass Seed Mixtures

They are specially arranged to prevent the stronger growing varieties from choking out the finer sorts. The proper "balancing" of mixtures suitable to different conditions is the secret of a smooth turf.

Full descriptions of our different mixtures will be found on the back cover. If you do not find one to conform to your requirements consult us and we will gladly make a special blending.

Johnson's High Grade Tulip Bulbs

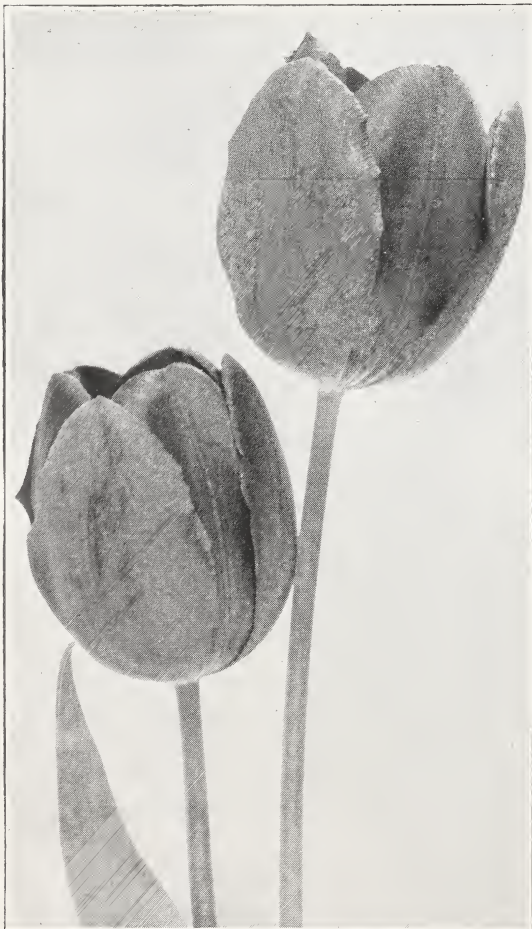
For grand effect as an early flower, the Tulip probably heads the list of bulbous plants. They are so entirely hardy, easily cared for, flower so freely in city or country, sun or shade, and as, with proper selection of varieties, their flowers may be enjoyed from April to June, it naturally follows that they are becoming immensely popular. By planting Scillas, Crocus, Snowdrops, etc., between the bulbs, the same bed or space of ground will provide a beautiful display of these early gems, preceding and in no manner interfering with the Tulips. Named varieties are to be preferred for satisfying results, and as we give the average height and relative blooming season of most of the varieties, selections as to color and season may be readily made. Plant 5 to 6 inches apart and cover one and one-half or twice their depth. For house culture plant four to six bulbs in a 6-inch pot, and in proportion for the larger sizes of bulb pans, treat as advised for Hyacinths. Good roots and plenty of them, before bringing plants to light and warmth, are essential to success.

The figures after names of varieties indicate the average height, in inches, to which they grow. Varieties most suitable for forcing are indicated by a star (*). The letter E indicates those that bloom earliest, and L latest.

If Tulips are wanted by Parcel Post, add postage at the rate of 5c per doz., or 30c per 100.

Named Single Early Tulips

	Doz.	100		Doz.	100
Artus. 7-L. Brilliant scarlet with clear yellow center. A splendid bedder . . .	\$0.50	\$3.50	Crimson Brilliant. Brilliant scarlet, large flower; splendid variety for bedding and forcing . . . . .	.50	3.75
*Belle Alliance. 8-L. Large, sweet-scented, scarlet flower . . . . .	.60	4.75	Crimson King. 8-L. Bright deep crimson, large and showy, easily forced. Good bedder	\$0.50	\$3.75
Calypso. 11-L. (Improved Primrose Queen). Bright sulphur yellow. If not forced the flower attains the same pinkish hue as La Reine . . . . .	.50	3.50	*Duchesse de Parma. 9-L. Orange red, with yellow margin, very bright . . . . .	.60	4.00
Chrysolora. 8-L. Pure golden yellow, splendid bedder . . . . .	.60	4.00	*Fred Moore. Deep orange, fine forcer . . . . .	.50	3.50
*Cottage Maid. 9-L. Bright pink, splendid for late bedding and for forcing . . . . .	.60	4.00	Keizerkroon. 10-L. Carmine scarlet with broad yellow border . . . . .	.60	4.00
Couleur de Cardinal. 10-L. Brilliant crimson scarlet. A fine variety both for cut flowers and pots . . . . .	.75	5.50	*King of the Yellows. 10-L. Deep golden yellow; one of the earliest yellows; flowers egg-shaped and fine for cutting. Fine for forcing as well as bedding . . . . .	.60	4.00
			*Lady Boreel. 8-L. Intense white; early forcer . . . . .	.65	4.50
			*La Reine Maximus. 11-L. White, slightly shaded rose . . . . .	.60	4.50
			L'Immaculee. 8-E. Pure white . . . . .	.65	4.50
			Mon Tresor. 7-E. Pure yellow; very large . . . . .	.60	4.25
			Pink Beauty. 10-L. Bright cherry rose, center of petals striped white. It has no equal as a bedder, for the stem is strong and the white center of the big, fleshy petals shows up very conspicuously against the broad, vivid rose edges. Does well in pans, but not before March . . . . .	.75	5.50
			*Prince of Austria. 10-E. Brilliant copper red. Deliciously scented; tall-stemmed bedder . . . . .	.60	4.00
			Princess Helena. Pure white. One of the best white bedders; flowers stand upright . . . . .	.60	4.50
			*Proserpine. 10-E. Rich, silky, carmine rose. Extra fine . . . . .	.90	6.50
			Prosperity. 8-E. Bright clear pink, very attractive. Good for early forcing . . . . .	.65	4.75
			Queen of the Netherlands. 14-E. Very delicate blush pink. An excellent bedder . . . . .	.60	4.00
			*Rose Gris de Lin. 8-L. Blush white, shaded delicate pink . . . . .	.50	3.50
			*Sir Thomas Lipton. 13-A. Brilliant crimson, cup-shaped flowers of large size . . . . .	.65	4.75
			Thomas Moore. 10-E. Large orange scarlet; sweet-scented . . . . .	.50	3.50
			*Vermilion Brilliant. 10-L. Dazzling vermilion scarlet, with yellow base . . . . .	.75	5.50
			White Hawk. 8-L. Intense white . . . . .	.65	4.50
			*Yellow Prince. 8-L. Golden yellow; fine bedder . . . . .	.50	3.50



Single Early Tulip Pink Beauty.

Johnson's Rainbow Mixture of Single Early Tulips

A mixture consisting of named single varieties, blended so as to give an assortment of all possible colors and shades, all of vigorous habit and large size, uniform height and time of blooming. 40c per doz.; \$2.75 per 100; \$25.00 per 1000.

Named Double Early Tulips

Double Tulips are preferred by some for their massiveness of bloom and for their brilliant and striking colors. The blooms are much more lasting than the single kinds making them very popular for pots and pans. Care should be taken, however, when growing this way not to force too rapidly as the grandeur and lasting qualities of the blooms are lessened by excessive forcing.

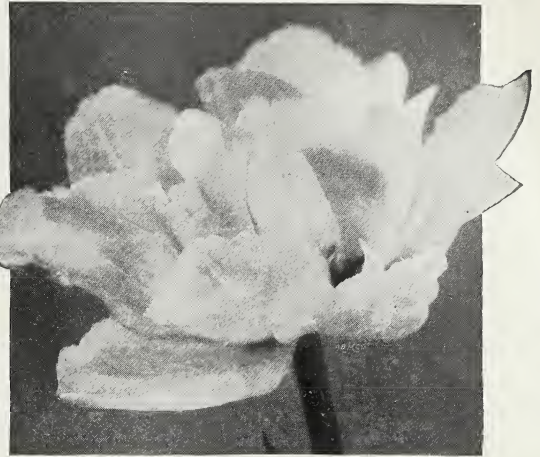
For growing in beds and borders we suggest only one color; however, certain varieties blend well together and we are always glad to recommend good sorts for this purpose.

Note.—The figures after names of varieties indicate average height in inches to which they grow. Varieties most suitable for forcing are indicated by a star (*). The letter E indicates those that bloom earliest and L latest.

Gloria Solis. 10-E. Red bordered with gold	Doz.	100
		\$0.65 \$4.75
*Imperator Rubrorum. 10-L. Glowing scarlet. Very popular		.65 4.75
La Candeur. 10-L. Pure white; very fine bedder		.60 4.50
Duc von Thol. Scarlet		.65 4.50
*Murillo. Light pink; most popular forcer		.50 3.50
*Rubra maxima. 10-L. Splendid red		.60 4.00
Rex Rubrorum. 8-L. Scarlet; splendid bedder, not early		.65 4.75
*Salvator Rosa. 10-E. Deep rose. Leading double for forcing		.60 4.00
Schoonoord. The white Murillo and the finest of all double white		.65 4.50
*Tournesol Yellow		.70 5.00

Johnson's Rainbow Mixture of Double Early Tulips

This mixture is made up of the most suitable varieties as regards color and height. Doz., 50c; 100, \$3.25.



Double Tulip Murillo.

*Tournesol, Red and Yellow. 9-L. Rich, scarred with yellow edge	Doz.	100
		\$0.65 \$4.50
Cochineal. 10-L. Rich, brilliant scarlet; the largest and one of the best double scarlets. When forcing this variety, as well as any other scarlet, care should be taken to have them come slowly, to avoid green tips.		.70 5.00
Couronne d'Or. (Crown of Gold.) 10-L. Large, bold flower of rich golden yellow, shaded copper. Excellent for bedding and winter forcing		.65 4.25

Late Single-Flowering Tulips

Known as Cottage, or May-Flowering Tulips

This class, as well as the Darwin Tulips, is becoming very popular. They are very hardy and robust, flowers are large in size and very rich in coloring. The stems are long and wiry and the flowers are durable in a cut state. They are effective planted in clumps or borders, and may be grown in pots as recommended for other Tulips and brought in to succeed the earlier classes.

	Doz.	100
*Bouton d'Or. 17-L. Fine showy bedder; excellent for cutting		\$0.60 \$4.00
Gesneriana spathulata. 24-L. Dazzling scarlet with blue base; enormous flower; popular bedder		.60 4.50
Gesneriana Lutea. 24-L. (The Yellow Gesneriana.) Color rich, flowers very large		.60 4.00
Inglescombe Pink. 24-L. (Salmon Queen). Beautiful large egg-formed flowers of bright rose pink with a salmon sheen		.65 4.50
*Inglescombe Yellow. 18-L. A large, globular flower of perfect form; color full rich yellow		.60 4.00
Isabella. 15-L. (Blushing Bride; Shandon Bells.) Creamy white, shaded carmine rose and changing to dark pink		.60 4.00
Picotee. 20-L. (Maiden's Blush.) White margined rose pink; graceful, recurving petals; pink edges		.60 4.00
*Mrs. Moon. 24-L. Very deep yellow		.65 5.00
Single Late, May-Flowering Mixed. A splendid mixture		.50 3.00

Rembrandt Tulips

Late Flowering for the Open Ground

These late tulips are much like the Darwins but are striped and feathered, in this respect resembling the Byblooms formerly so much used. They are of fine form and substance, lasting well after cutting.

	Doz.	100
Rembrandt Mixed. Darwin tulips with striped or feathered flowers. Many pleasing shades and colors		\$0.60 \$4.00



Tulip Gesneriana.

Giant Darwin Tulips—May Flowering

These gorgeous new late or May-flowering Tulips are very stately and beautiful—producing immense flowers on tall, sturdy stems attaining a height of from 2 to 3 feet. The flowers are models of perfection in form, lasting, wax-like substance—and in a great variety of both dainty and richly brilliant colorings ranging from bluish through pinks, rose, salmon red, crimson, etc., to rich ox-blood reds, from lavender through mauve, light blue to violet, purple and black. The centers of many of them are beautifully marked. The Darwins also include two or three “near whites”—but clear yellows have not yet been produced. Therefore, where the latter color is desired selection should be made from the “Cottage” Tulips offered on page 7. The Darwin Tulips are exceedingly effective when grown in groups of a dozen or more bulbs of one variety in the garden or herbaceous border with a background of greenery which enhances their magnificence. The beauty, hardiness, and perpetuity of the Darwin Tulips is making them very popular. As cut flowers they are unsurpassable. The long-stemmed, bold, durable flowers have a dignity and character exclusively their own.

	Doz.	100
* Baronne de la Tonnaye. Vivid pink, bluish margin. Very lasting	\$0.60	\$4.00
* Bartigon. A magnificent variety, very large flowers of fiery crimson with a white base .....	.90	6.50
* Clara Butt. Delicate salmon pink, perfect shape .....	.60	4.00
* Margaret. (Gretchen.) A distinct, very pretty Tulip; outside of flower bluish pink inside, rather deeper shade .....	.60	4.25
Dream. Large flower, perfect in form, on a tall, strong stem; color rosy lilac and mauve, with claret purple interior. A variety that combines well with lavender-colored varieties. Height 24 ins. ....	.60	4.25
* Edmee. (Beauty.) A beauty shade of cherry rose with a lighter border. On the order of Baronne de la Tonnaye, but stronger and brighter in color. Splendid border variety and good for late forcing. Height 25 inches .....	.75	5.75
* Gretchen. Silvery pale rose. Inside soft pink, marked blue	\$0.60	\$4.25

	Doz.	100
* La Tulipe Noire. (The Black Tulip.) The nearest in color to the so-called “Black Tulip.” Deep maroon black, which has a velvety sheen in the sunlight. Height 25 inches .....	.50	4.50
* Mr. Farncombe Sanders. Fiery, rosy scarlet with white center marked .....	.70	5.00
* Pride of Haarlem. Bright rose, suffused with purple. Enormous .....	.60	4.00
Rev. Ewbank. Heliotrope lilac with paler edge .....	.60	4.25
The Sultan. Glossy maroon black .....	.60	4.00
Johnson's Darwin Tulip Mixture. A grand mixture containing all shades and markings .....	.50	3.25

Parrot or Dragon Tulips

Their fringed and corrugated petals with their wonderful variation make these the most brilliant and the most curious of all Tulips. The flowers are thick-petaled with extra long stems, and keep extremely well after being cut.

	Doz.	100
Admiral de Constantinople. Red tipped orange	\$0.60	\$4.50
Lutea major. Bright yellow; large flowers .....	.60	4.50
Perfecta. Yellow, striped red .....	.60	4.50
Couleur Cafe. Brown and yellow .....	.60	4.50
Cramoisie Brilliant. Deep crimson with large, black, star-shaped center .....	.60	4.50
Superfine Mixed .....	.50	4.25

Breeder Tulips

Old Dutch self-colored Tulips which have been neglected for many years; the present taste for artistic colors has, however, called them into prominence once more. Nature's happiest color combinations of purple and bronze, grey and lilac, yellow and bronze, brown and orange, are revealed to us in this group.

	Doz.	100
Cardinal Manning. (Kingscourt.) A curious blend of mauve and rose, pure orange at edges	\$0.60	\$5.00
Jaune d'Oeuf. (Sunrise.) Golden, outside petals shaded apricot .....	.60	4.50
Bronze Queen. Buff, tinged apricot .....	.70	4.75
Medea. Enormous flower, crushed Strawberry, shaded heliotrope, yellow center. ....	.60	4.00
Prince of Orange. (Sunset.) Terra Cotta with orange edge .....	.75	5.50
Splendid Mixture .....	.50	4.25
Bizarres. 20-L. Mixed; flowers beautifully blotched, striped and feathered with crimson, pink, scarlet, rose, lilac, and purple, on yellow .....	.60	4.25
Bybloems. 20-L. Mixed; on white ground, blotched, striped or feathered. ....	.60	4.25



Giant Darwin Tulips.

YOU WILL EVENTUALLY BUY "JOHNSON'S BULBS THAT PRODUCE"

Narcissus or Daffodils

We offer only the most popular varieties for either pot or outdoor culture.

Culture.—Daffodils are not particular as to soil and will thrive for a number of years in ordinary soil. They are, with few exceptions, suitable for naturalizing and while preferring partial shade, will thrive in full sun exposure. They are very desirable for pot culture, three to five bulbs in a 5 or 6-inch pot producing an attractive group. By planting one or more varieties in succession, such a display may be enjoyed throughout the first three months of the year.

If wanted by Parcel Post, add postage as follows: Each, 2c or 20c per doz.



Narcissus Emperor.

Bicolor Trumpet Daffodils

The perianth white or light-colored, with yellow trumpet.

Empress. Very large and beautiful white perianth, rich yellow trumpet.	Doz.	100
First Size	\$0.75	\$5.25
Double-Crown Bulbs .....	.85	5.75
Princes. Sulphur perianth and yellow trumpet; long and showy; early and forces finely.		
First Size .....	.60	5.25
Double-Crown Bulbs .....	.75	5.75
Victoria. Large, erect flowers; creamy white perianth and rich yellow trumpet; forces easily. The earliest of Bicolors.		
First Size .....	.60	4.50
Double-Crown Bulbs .....	.90	6.75

Incomparabilis

Sir Watkin. (Giant Chalice Flower.) A gigantic flower, the largest in this section; perianth sulphur yellow, cup slightly deeper in color and tinged with orange; fine for pot culture; in fact, does well everywhere.		
Large Bulbs. Double-Nose .....	.85	6.50
Beauty. Large yellow perianth, cup large with orange margin, showy and fine for cutting .....	.65	5.25

Yellow Trumpet Daffodils

Varieties with yellow or primrose trumpets and perianths (petals) of same or lighter shade, not white.

	Doz.	100
Olympia. One of the finest of the new Giant Trumpet varieties, a strong, free grower either in pots or out of doors, it might briefly be described as a greatly improved Emperor being much larger in size and richer in color. One of the coming Daffodils	\$1.75	\$14.50
Emperor. Large, rich yellow trumpet, primrose perianth; fine for cutting.		
First Size .....	.75	5.25
Double-Crown Bulbs .....	.90	7.00
Golden Spur. Native of the Netherlands. Large-lobed trumpets, rich, deep self-yellow, perianth large and spreading; early. Extra fine bulbs. Is freer and more reliable than Trumpet Major.		
First Size .....	.75	5.00
Double-Crown Bulbs .....	.90	7.00
King Alfred. Golden yellow perianth and trumpet, the latter of beautiful form with deeply frilled mouth, large bold flower, strong grower	Each 20c.	2.00 12.50
Van Waveren's Giant. A famous Holland variety. A veritable "Giant" among the "trumpets" producing freely immense flowers on strong stems 18 inches in length; trumpet very large with open mouth flanged at the brim. Color rich yellow; perianth petals primrose yellow; height 18 inches	Each, 25c.	2.50 16.50

Poet's and Poetaz Narcissus

Poetaz Narcissus, a perfectly hardy strain of bunch-flowered Narcissus was obtained by crossing Poeticus and Polyanthus varieties.

This is the old-fashioned favorite type with white flowers, the cups margined with red and with rich, spicy odor. For indoor culture the King Edward VII and Ornatus are best. The Poetaz varieties are also of exceptional value for forcing.



Narcissus Poeticus Ornatus.

Poeticus. (Pheasant's Eye.) Pure white perianth, cup edged saffron	\$0.50	\$3.50
Poeticus Ornatus. A much improved form of the ordinary Poeticus, producing large flowers and appearing two weeks earlier; for this reason they are especially adapted for forcing and making a splendid cut flower.		
Large Bulbs .....	.50	3.50
Mammoth Bulbs .....	.60	4.50
Poetaz Aspasia. Perianth pure white, yellow eye, four or five large flowers ...	.75	6.00

Polyanthus Narcissus

A very decorative class of bulbous plants for greenhouse and window cultivation, but not hardy out of doors in our climate. They may be easily and quickly forced; our florists frequently have them in bloom by Thanksgiving.

Early Large-Flowering Paper White. The earliest, largest and most vigorous form of the Paper White; the best of all for very early forcing. Pure white.

Mammoth Bulbs, 90c per doz.; \$6.50 per 100; \$58.00 per 1,000.

Selected Bulbs. 70c per doz.; \$5.25 per 100; \$50.00 per 1,000.

Early Double Roman. White, with deep yellow cup; large flower trusses; excellent for early forcing. 75c per doz.; \$4.75 per 100.

Soleil d'Or. Yellow, with orange cup. An excellent forcing variety. \$1.50 per doz.; \$12.00 per 100.

Chinese Sacred Narcissl. (Joss Flower, or Flower of the Gods.) These are popular everywhere for growing in bowls of water and pebbles; flowers are white, orange-cupped and very fragrant. First size bulbs, 15c each; 3 for 40c.

Lily Bowls

For Narcissus, Sacred Lilies, etc., from 25c each up to \$5.00. Also clean, attractive pebbles at 15c per quart.



Jonquil Campernelle.

Small White Pebbles

These are placed in vases or bowls in which Chinese Sacred Narcissi, Paper-White Grandiflora Narcissi or Dutch Roman Hyacinths are grown in water. Not mailable. Qt. 15 cts., 2 qts. 25 cts.

"Stim-U-Plant" Tablets

For Chinese Lilies, Paper Whites, Grand Soleil d'Or and all bulbs growing in water, dissolve one tablet in one gallon of water. As soon as roots start, add small quantities of this solution from time to time, to water in which bulbs are growing. (See page 14.)



Paper White Narcissus.

Jonquils

Narcissus, Jonquilla and Odorus

Jonquils are a small-flowering type of Narcissus and prized for their graceful, golden fragrant blossoms and the ease with which they may be grown. The single varieties may be flowered by Christmas. Very easily grown and should be planted in quantity for cutting for their exquisite fragrance. Five or more bulbs to a pot or pan will form a graceful house adornment. Doz. 100

Single Sweet-Scented. (Narcissus Jonquilla.) Rich, buttery yellow; not as large a flower as the others, but most fragrant and very free flowering\$0.40 \$3.00

Campernelle. (Narcissus Odorus.) A grand variety, producing freely large yellow flowers, very sweetly scented; a strong grower, doing well in almost any position50 3.50

Campernelle Rugulosus. The largest and finest of all Jonquils; a handsome flower; color pure yellow; very fragrant50 3.50

Double Sweet Scented. Full double golden yellow; highly fragrant50 3.50

Double Narcissus

Alba plena odorata. (The Double Poet's Narcissus.) Large double white jasmine-scented flowers. Hardy60 4.25

Double Von Sion, or Golden Yellow Daffodil. A great flower for the garden and is forced in great quantities for cut flowers.
 First Size65 4.50
 Double-Crown85 6.50

Hardy Garden Lilies

Plant in pots that are about twice the diameter of the bulbs; start them slowly, and as they advance toward the blooming period shift them to larger pots, setting them likewise deeper in the soil. For outdoor culture, plant the bulbs about 8 inches below the surface in soil that is well drained. Good soil is generally recommended, and if manure is used, it must not come in contact with the bulb. Planting among shrubbery where they are somewhat protected from the sun is very favorable to their best development. Mulch the beds both Summer and Winter as a protection against extremes of heat and cold.

Lilies and other bulbs marked with a star(*) will not be ready until the middle or latter part of October or November.

Prices subject to change.

***Auratum.** (Golden-Banded Lily.) One of the finest in existence. Ivory white, with central band of yellow and numerous purple spots; produces from 4 to 12 flowers or more on a stem 3 to 4 feet high. Each Doz.
 Extra Large Bulbs\$0.50 \$5.00
 Each. Doz. 100

Canadense. (Native Canadian Lily.) Flowers bright yellow with small black spots, excellent for naturalizing in hardy borders or woods. Height, 2 feet ..\$0.20 \$2.00 \$15.00

Candidum. (Ascension Lily.) ready in September. Snow white, bell-shaped, very fragrant flowers; an old garden favorite and also desirable forcing. Very scarce.
 Mammoth Bulbs\$0.25 \$2.50 \$18.00

Harrisii. (Bermuda Easter Lily.) Ready in August. Large, pure white, trumpet-shaped flowers. Used for indoor growing entirely. Each Doz.
 7.9 in. circumference\$0.50 \$5.00
 9/11 in. circumference95 10.00

Longifolium formosum. Grown on the Island of Formosa and said to be entirely free from disease; blooms early. Ready in September. Ask for prices.

Longifolium giganteum. (White Japanese Easter Lily.) Stems black; later than the preceding; flowers of more substance. Ready in September. Please ask for prices.



Lilium Candidum.

Myriophyllum. (Regale.) The most wonderful lily of recent introduction. Perfectly hardy and a splendid grower\$1.00 \$10.00 \$75.00
 Each Doz.

***Speciosum album.** Pure white, with green band in the center of each petal; very fragrant.
 Extra Large Bulbs\$0.40 \$4.25

***Speciosum Melpomene.** Large, rich blood crimson flowers heavily spotted.
 Extra Large Bulbs50 5.00

***Speciosum rubrum, or roseum.** White shaded with deep rose and spotted red.
 Extra Large Bulbs50 5.00

Tiger Lilies

***Tigrinum flore pleno.** (Double Tiger Lily.) Double orange flowers, spotted black.
 First Size Bulbs30 3.00

***Tigrinum splendens.** (Improved Tiger Lily.) Rich scarlet, with dark spots.
 First Size Bulbs25 2.50

Calla Lilies

One of the most satisfactory and easy growing bulbs for pot culture and forcing. They require rich soil and abundant moisture during their flowering season. After their flowering season is past, allow them to dry off and remain dormant part of the year.

Aethiopica. (Lily of the Nile.) The old favorite Calla Lily. Each Doz. 100
 Mammoth Bulbs\$0.35 \$3.50 \$25.00

Lily-of-the-Valley

For forcing, plant twelve pips in a 6-inch pot, keeping the crowns above the soil; place in a temperature of about 80 degrees, covering the pots with moss; keep them moist continually. They should flower three to four weeks from the time of planting. For the garden, plant the single pips 4 inches apart; they will increase rapidly and form one mass, blooming profusely every Spring.

Strong pips, bundle of 25 pips, \$2.00; \$7.00 per 100.



Lily of the Valley.

Freeseias

Very desirable for pot culture. Early planted bulbs (six to eight in a 4-inch pot) may be flowered by New Year's Day. Give plenty of water when well established.

Refracta alba. Pure white flowers, with yellow-blotched throat; very sweet.

	Each	Doz.	100	1000
Mammoth Bulbs	\$0.03	\$0.30	\$2.00	\$18.00
First Size Bulbs .....	.02	.15	1.25	10.00

Purity. A pure white-flowered variety of large size.

Mammoth Bulbs .....	.07	.70	4.50	40.00
First Size Bulbs .....	.05	.50	3.00	27.00

New Colored Freeseias

Johnson's Rainbow Mixture

These beautiful novelties are rapidly winning favor on account of their lovely and unique colorings, their delicate fragrance and free-blooming qualities. Their culture is the same as other Freeseias. Mixed colors only, doz., \$1.00; 100, \$7.00.

Special Note

Our Government has deemed it best to place an embargo on the following list of miscellaneous bulbs usually imported from Holland. If this restriction is lifted before bulb shipments are ready to leave Holland we will have our usual supply.

Calochortus	Leucojum	Ornithogalum
Colchicum	English Iris	Campanulata
Gloxinias	Babiana	New Dutch Iris
Brodiaea Coccinea	Chionodoxa	Alliums
Scillas	Fritillaria	Begonias
Snowdrops	Grape Hyacinths	Spiraeas



Freesia Refracta Alba.

Spanish Iris

This well known class with flowers of quaintly distinctive form and richly varied coloring takes its name from the Greek word for rainbow. The more easily cultivated forms are distinguished by their long slender leaves and beautifully variegated blossoms with six parted perianth, the three outer petals reflexed and the three inner usually smaller and erect.

Iris bulbs should be planted in rich, moist soil, and do better if protected by litter in winter. Set the bulbs in clumps two inches apart each way and three inches deep. Every third or fourth year they should be taken up and reset. Doz. 100

Belle Chimoise. Golden yellow; earliest of all	\$0.75	\$6.00
Flora. New. Standards very light lavender, falls white; immense and attractive flowers .....	.75	6.00
Cajanus. Canary yellow with orange yellow blotches on the falls .....	.75	6.00
King of the Blues. (Count of Nassau.) Fine deep purplish blue .....	.75	6.00
King of the Whites. Pure white with small orange blotch on the falls .....	.75	6.00
Queen Wilhelmina. Very beautiful white with small yellow blotch on the falls .....	.75	6.00
Heavenly Blue. Clear blue, extra large flowers, very early..	.75	6.00
Snowball. White slightly tinted lilac .....	.75	6.00
Surbitan. Dark yellow, very fine .....	.75	6.00
Superfine Mixture .....	.75	6.00

Iris Tingitana

A beautiful light blue. Especially suitable for growing in pots in a cold frame or greenhouse. Can be blooming in December. Doz., \$1.75; 100, \$10.00.



Spanish Iris.

Tritoma Flame Flower, or Torch Lily

Pfizeri. We feel fortunate in again being able to offer this everblooming Tritoma in quantity, there having been practically no stock available last spring. We offer the true type in strong divisions

Each	Doz.
\$0.25	\$2.50

Miscellaneous Bulbs and Roots

Amaryllis

Formosissima. (Jacobean Lily.) Brilliant carmine flowers. Each, 20c; doz., \$2.00.
Johnsonii. Very large flowers of a rich crimson scarlet color, striped with white. 35c each; \$3.50 per doz.

Anemone

Fulgens. (Windflower.) Rich, dazzling scarlet; fine for cutting. Each, 5c; doz., 50c; \$3.00 per 100.
St. Brigid. A new and greatly improved race of Irish production, bearing magnificent flowers, double, semi-double and single, 3 to 5 inches across and of the richest as well as the daintiest colors, markings, blendings, all having a distinct dark base. They have long stems, very graceful for vases. Per doz., 50c; per 100, \$3.00.

Bleeding Heart

Dicentra spectabilis (Dielytra). (Bleeding Heart, or Lyre Flower.) Ready in November. A beautiful plant for the border and elegant as a pot plant for the house. An old favorite, ever delightful, with sprays of beautiful pink and white flowers, heart-shaped. Large clumps. Each, 50c; doz., \$5.00.

Ranunculus - Buttercup

Nothing produces brighter or more gorgeous effect in June and July than beds of *Ranunculus*; the flowers are all good for cutting, and the culture is very simple. They thrive in any ordinary garden soil but should have protection in spring from the late frosts and sharp winds. Plant outside latter end of March or early April, as soon as frost is out of the ground, or earlier in hot bed if desired for early cutting. Plant in November for early spring bloom in frames. Set the tubers 3 to 4 inches apart, pressing them firmly into the soil, claws downward, and cover them with sand, then with soil; keep the crown of the tuber two inches under the surface. During dry weather the plants should be given abundance of water.

	Doz.	100
Johnson's Finest Mixed	.....	\$0.50 \$3.50

Oxalis

Valuable for winter flowering; elegant for pots and baskets.

Bermuda Buttercup. Very good for Winter flowering, being free and continuous; pure bright yellow flower. Doz., 35c; 100, \$2.50.

Boweii. Brilliant carmine rose. Doz., 35c; 100, \$2.50.

Grand Duchess. Lavender, White or Pink. Flowers are large, often measuring 3 inches in diameter. Doz., 35c; 100, \$2.50.

Gladioli

These beautiful, early-flowering and dwarf forms of *Gladioli* are admirable for forcing for cut flowers and also elegant plants in pans for decorative work. They are very floriferous, strong bulbs, producing three or four flower spikes. They can be planted outdoors quite early and will bloom abundantly from July to September. Doz. 100

Blushing Bride. Light, almost white, crimson blotch. \$10.00 per 1,000 \$0.85 \$6.00

Peach Blossom. Lovely and well named. Early. \$12.00 per 1,00085 6.00

Queen of Holland. Pure white, with distinct carmine blotch; very free85 6.00

Choice Named Peonies

We do not attempt to list all varieties, but only those of real merit and such that have proven satisfactory.

Festiva Maxima. (King of Peonies.) Immense white cone with carmine-flaked center. Each, 75c.

L'Esperance. Deep rose, with crinkly white tips; extra large and fine, very early. Each, 65c.

Duke of Wellington. Superb, conical heads; creamy white changing to pure white. Each, 65c.

Dorchester. Extra late and fine; clear pink. Each, 70c.

Paeonia Officinalis

The old-fashioned garden Peony. Blooms nearly two weeks earlier than other varieties.

	Each	Doz.
Double White	.....	\$0.50 \$5.50
Double Scarlet	.....	.50 5.50
Double Pink	.....	.50 5.50

Flower Seeds for Bedding and Greenhouse Culture

ANTIRRINUM (Snapdragon)		Pkt.
Nelrose. Pink	.....	\$0.50
Silver Pink	.....	.50
Dwarf Large-flowering Scarlet, White Rose	.....	.10
Dwarf Large-flowering Mixed	.....	.10
Tall Large-flowering Scarlet, White Rose	.....	.10
Tall Large-flowering Mixed	.....	.10
ASPARAGUS		100 Seeds
Plumosus nanus. Greenhouse grown	.....	\$1.00
Sprengeri	.....	.50
BEGONIA, Semperflorens		Pkt.
Arfordia. Rosy carmine	.....	\$0.25
Gracilis rosea. Rose	.....	.15
Gracilis luminosa. Fiery red	.....	.25
Vernon. Orange carmine	.....	.10
CALENDULA		
Prince of Orange	..... Oz., 25c	.05
Orange King	..... Oz., 25c	.05
Finest Double Mixed	..... Oz., 25c	.05
CINERARIA		
Hybrida Grandiflora. (Imported.)	.....	.30
COLEUS		
Fine Hybrids. Mixed	.....	.25
CALCEOLARIA		
Giant Superb. Mixed	.....	.25
COBAEA SCANDENS		
Mixed.	.....	.10
CYCLAMEN GIGANTEUM		
Giant Mixed. (Imported.)	.....	.25
Cyclamen Persicum	.....	.15
DELPHINIUM		
Gold Medal Hybrids. (Imported)	.....	.15
Belladonna	.....	.10
Formosum. Blue. 2½ feet	.....	.10

GLOXINIA		Pkt.
Grandiflora. Mixed	.....	\$0.25
HELIOTROPE		
Giant Hybrids	.....	.15
MIGNONETTE		
Allen's Defiance	.....	.10
Bismarck	.....	.10
MYOSOTIS (Forget-me-not)		
Alpestris Royal Blue. Rich indigo blue	.....	.10
Alpestris robusta grandiflora. Blue, large flowering	.....	.10
Alpestris Victoria. Blue; very fine	.....	.10
Alpestris Mixed. Various colors	.....	.10
Dissitiflora. Clear blue. Early flowering	.....	.10
PRIMULA (Chinese Primrose)		
Chinensis fimbriata. White, crimson, blue, or Mixed	.....	.25
Obconica grandiflora. Mixed	.....	.25
Obconica gigantea. Mixed	.....	.50
Malacoides. White or Lilac	.....	.25
STOCKS, Ten Weeks		
Dwarf Large-flowering White, Bright Red, Canary, Yellow, Rose, Light Blue, Violet, or Carmine	..... Each, 15c	
Mixed	.....	.10
JOHNSON'S SUPERB PANSY SEED		
Johnson's Enormous Mixed. The richest and finest mixture obtainable	.....	.50
Johnson's Universal Mixed. Very complete	.....	.50
Masterpiece. Mixed	.....	.25
Trimardeau Giant. Mixed	.....	.25
Johnson's Special Large-flowered. Mixed	.....	.10

Johnson's Top Notch Sweet Peas

WINTER-BLOOMING ORCHID-FLOWERING FORCING VARIETIES

Invaluable for growing under glass. They bloom in about three months from time of sowing.

- Early Asta Ohn. Identical in color and size of blossom to the well known late-flowering Asta Ohn. A very popular lavender. Pkt., 25c; ½ oz., 75c; oz., \$1.25.
- Early Pink and White. Identical in color to the popular late-blooming pink and white variety. Pkt., 25c; ½ oz., 75c; oz., \$1.25.
- Early Cream. Identical in color to the splendid cream, late-flowering variety. Pkt., 25c; ½ oz., 75c; oz., \$1.25.
- Early Heatherbell. A beautiful shade of rich lavender mauve. Pkt., 25c; ½ oz., 75c; oz., \$1.25.
- Early Liberty. Giant crimson. Pkt., 25c; ½ oz., \$1.00; oz., \$1.50.
- Early Rose Queen. A very popular shade of rose pink. Pkt., 35c; ½ oz., \$1.50; oz., \$2.50.
- Early Songster. Giant early lavender. Pkt., 25c; ½ oz., 75c; oz., \$1.25.
- Early Snowflake. One of the best white varieties. Pkt., 25c; ½ oz., \$1.00; oz., \$1.50.
- Early Songbird. A pale pink variety, similar in color to the late-flowering Florence Morse Spencer. Pkt., 25c; ½ oz., 75c; oz., \$1.25.
- Early Helen Lewis. A fine shade of salmon pink. Pkt., 25c; ½ oz., \$1.00; oz., \$1.50.
- Mrs. A. A. Skatch. A clear light pink. Pkt., 25c; ½ oz., 75c; oz., \$1.25.
- Early Melody. Beautiful shade of soft rose pink. Pkt., 25c; ½ oz., 75c; oz., \$1.25.

- Early Hercules. Identical in color and size of blossom to the late-flowering Hercules which is considered a glorified Countess Spencer. One of the finest bright pinks. Pkt., 25c; ½ oz., \$1.00; oz., \$1.50.
- Early Morning Star. A beautiful shade of orange scarlet. Pkt., 25c; ½ oz., \$1.00; oz., \$1.50.
- Early Mrs. Spanolin. The finest black-seeded white variety. Pkt., 25c; ½ oz., \$1.00; oz., \$1.50.
- Early Venus. Similar in color to Dainty Spencer in the late-flowering variety. Standard white, slightly flushed pink wings. Pkt., 25c; ½ oz., 75c; oz., \$1.25.
- Early Wedgwood. Same in color and size of blossom as the late-flowering Wedgwood and a magnificent clear blue. Pkt., 25c; ½ oz., \$1.00; oz., \$1.50.
- Early White Orchid. A pure white. The flowers are of splendid substance. Pkt., 25c; ½ oz., 75c; oz., \$1.25.
- Early Yarrowa. This beautiful variety has found a ready sale. The foliage is very heavy and the growth robust, sometimes reaching the height of 12 feet. The flowers are large and of a bright rose pink color. Pkt., 20c; ½ oz., 60c; oz., \$1.00.

SWEET PEAS, Christmas-flowering Grandiflora Varieties

	Pkt	Oz.	¼ Lb.
Earliest of All. Blush and white	\$.010	\$0.15	\$0.35
Christmas Pink	.10	.15	.35
Christmas White	.10	.15	.35

Fertilizers, Insect Destroyers, Etc.

Sulpho-Tobacco Soap

Can be Sent by Parcel Post

Destroys Cabbage, Squash and Potato bugs, Currant worms, lice, green fly, mealy bug, red spider, etc. Sure death to all animal pests and plant insects indoors and out-of-doors. Of special value for spraying shrubs, fruit trees, and vines. Produces luxuriant Roses if bushes are liberally sprayed before blooming time. Acts quickly and effectively and at the same time it is a fertilizer. 8-oz. cake makes 4 gallons of prepared solution, 25c each, postpaid.



Ground Bone Fertilizer

Stable dressing is unpleasant to handle and always contains more or less weed seeds. There are no weed seeds in this fertilizer. It will impart to your lawn that much desired dark green and velvety appearance. Should be applied as a top dressing either in spring or fall. 2 lbs., 15c; 10 lbs., 65c; 25 lbs., \$1.25; 50 lbs., \$2.25; 100 lbs., \$4.00; 200 lbs., \$7.00; 500 lbs., \$18.50; 1,000 lbs., \$35.00; ton, \$65.00.

Garden and Lawn Fertilizers

25-lb. bag for 2,500 square feet of lawn or 1,200 square feet of garden, \$1.50; 50-lb. bag for 5,000 square feet of lawn, or 2,500 square feet of garden, \$2.75; 100-lb. bag for one-fourth acre of lawn, or one-eighth acre of garden, \$5.00.

Sheep Manure

For garden, lawn or greenhouse use nothing surpasses Sheep Manure; it is clean and easily handled, besides giving immediate results. Use 1,000 lbs. per acre. 2 lbs., 15c; 5 lbs., 30c; 10 lbs., 50c; 25 lbs., \$1.10; 50 lbs., \$2.00; 100 lbs., \$3.50; 500 lbs., \$15.00.

STIM-O-PLANT

PLANT STIMULANT TABLET

Trade Mark Registered U. S. Patent Office

Can be Sent by Parcel Post

The most modern, efficient, and scientific method of fertilizing growing plants. Stim-U-plant Tablets are designed for use by all who grow plants—home gardeners, market gardeners, small fruit growers, fruit growers, florists, and farmers. Their most valuable use is in feeding the growing plants. Being composed of water soluble materials of great feeding power and of known weight and percentage of plant food. Stim-U-plant Tablets are packed in five sizes. Trial size, 15c; small size, 30c; 100 tablets, 85c; 500 tablets, \$2.25; 1000 tablets, \$4.00; each size, postpaid.

Agricultural Hydrated Lime

It supplies the element calcium to plants; it makes "sour soil sweet," changes an acid condition to a slightly alkaline one; it has the power to shrink clay and adobe soils, making a larger number of crumbs from a sticky mass; it prevents packing, baking and cracking, makes cultivating easier; it promotes the normal decay of organic matter in the soil, preventing the accumulation of poisonous matter; it promotes the change of nitrogen in organic matter into available nitrates, liberates and places at the disposal of plants potash and phosphoric acid already in the soil. It destroys fungus and the germs of insect life that infest the soil. Hydrated Lime, because of its fineness, high calcium content and concentrated condition, is the ideal agricultural lime and the most economical on the market. Use one-half less than other forms of lime. In sacks weighing 50 lbs. (per sack, \$1.00). Delivered anywhere in the city. Write for prices in ton lots.

Beware of Stable Manure. It will fill your lawn with weeds and cause you many times the cost of a good commercial fertilizer such as Sheep Manure or Bone Dust.

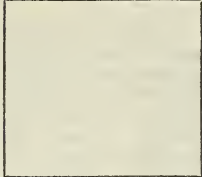
Nitrate of Soda. Lb., 15c; 5 lbs., 60c; 10 lbs., \$1.10; 25 lbs., \$2.50; 50 lbs., \$4.50; 100 lbs., \$8.00.

Post Office Department

No. _____

THIRD ASSISTANT POSTMASTER GENERAL
DIVISION OF MONEY ORDERS

Stamp of Issuing Office



The Postmaster will insert

here _____
the office drawn on, when the office named by the remitter in the body of this application is not a Money Order Office.

Spaces above this line are for the Postmaster's record, to be filled in by him

Application for Domestic Money Order

Spaces below to be filled in by purchaser, or, if necessary, by another person for him

Amount

_____ Dollars _____ Cents

Johnson's Seed Store

Pay to Order of }

(Name of person or firm for whom order is intended)

Whose Address is }

2158 East 9th Street

No. _____ Street

Post Office }

Cleveland,

Ohio.

State _____

Sent by _____

(Name of Sender)

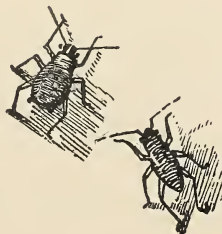
Address of sender }

No. _____ Street

PURCHASER MUST SEND ORDER AND COUPON TO PAYEE

c5-7155

**Will they
be dead
when you
get back?**



Fees for Money Orders drawn on Domestic Form

Payable in the United States, including Hawaii, Porto Rico, and Virgin Islands, U. S. (late Danish West Indies), or in its possessions, embracing the Canal Zone, Guam, the Philippine Islands, and Tutuila (Samoa), or at the United States Postal Agency at Shanghai (China); also for orders payable in Bermuda, British Guiana, British Honduras, Canada, Cuba, and Newfoundland, and the following islands in the West Indies: Antigua, Bahamas, Barbados, Dominica, Grenada, Jamaica, Martinique, Montserrat, Nevis, St. Kitts, St. Lucia, St. Vincent, Trinidad and Tobago, and Virgin Islands (British).

For Orders From \$0.01 to \$2.50.....		3 cents.
From \$2.51 to \$5.00.....		5 cents.
From \$5.01 to \$10.00.....		8 cents.
From \$10.01 to \$20.00.....		10 cents.
From \$20.01 to \$30.00.....		12 cents.
From \$30.01 to \$40.00.....		15 cents.
From \$40.01 to \$50.00.....		18 cents.
From \$50.01 to \$60.00.....		20 cents.
From \$60.01 to \$75.00.....		25 cents.
From \$75.01 to \$100.00.....		30 cents.

Memoranda of Issuing Postmaster:

NOTE.—The maximum amount for which a single Money Order may be issued is \$100. When a larger sum is to be sent additional Orders must be obtained. Any number of Orders may be drawn on any Money Order office on any one day. Applications must be preserved at the office of issue for three years from date of issue.

(EDITION FEB., 1920.)

05—7155

Will they be dead when you get back?

A great deal depends on the insecticide you use.

Hall's Nicotine Insecticides are scientifically prepared by improved processes for one purpose—to destroy aphids, thrips and similar soft-bodied, sucking insects. Each is a most effective insecticide in its particular field.

Hall's Nicotine Fumigator



For fumigating greenhouses — 12½% Nicotine guaranteed. Effective and economical. Packed in airtight tin — retains its strength indefinitely.

A conical measuring dipper is enclosed in each tin. Dip out the

required number of cones and you are ready to fumigate.

One cone will fill 7000 cubic feet with deadly Nicotine fumes. Three cones will rid the average size greenhouse (20 by 100 ft.) of aphids, thrips and similar soft-bodied sucking insects. And the cost will be only 25 cents.

10 pound tins, \$8.50; 2½ pound tins, \$2.50; 1 pound tins, \$1.25.

Hall's Free Nicotine



For effective greenhouse spraying or vaporizing — 40% Nicotine guaranteed.

This powerful insecticide contains Nicotine in the free state — particularly adapted for indoor spraying. Diluted according to directions it makes a deadly spray costing only 2½ cents a gallon.

Where a liquid is preferred for fumigating it has all the killing power

of Hall's Fumigator.

8 pound tins, \$15.00; 2 pound tins, \$4.25; ½ pound tins, \$1.50.

Hall's Nicotine Sulphate



For spraying fruit trees and truck crops — 40% Nicotine guaranteed.

Aphids, thrips and similar soft-bodied, sucking insects can be wiped out of the orchard or garden by systematic spraying with Hall's Nicotine Sulphate.

Being a vegetable poison it will not injure fruit or foliage. Made up as a spray, it costs only 2 cents a gallon.

10 pound tins, \$13.50; 2 pound tins, \$3.50; ½ pound tins, \$1.25; 1 oz. bottles, 35 cents.

Hall's Tobacco Dust



Finely ground and screened—ready for use—a full 1% Nicotine guaranteed.

Hall's Tobacco Dust is very effective against aphids and soft-bodied, sucking insects generally. It is particularly useful in gardens, greenhouses and orchards and wherever dusting is preferable to spraying.

Owing to extreme fineness it floats readily in the air and covers the plant or tree with a dense cloud of dust. This settles gradually in all cracks and crevices so that the insects cannot escape coming in contact with the powder.

100 pound paper lined sacks, \$4.50; 2 pound drums, 35 cents.

For sale by

Johnson's Seed Store

2158 East Ninth Street

Cleveland, Ohio

FROM

Two Cent
Stamp
Here

Johnson's Seed Store

"SEEDS THAT PRODUCE"

2158 E. 9th St.

CLEVELAND,

OHIO

**WHERE
YOU WILL EVENTUALLY BUY
“SEEDS THAT PRODUCE”**

Mushroom Spawn

HAVE FRESH MUSHROOMS ON YOUR TABLE
EVERY DAY

The ease and certainty with which a crop of Mushrooms can be grown to perfection in an ordinary house cellar, woodshed or barn, and the astonishing success of so many who have taken up this new industry, both for profit and their own use, induces us to call especial attention to the subject. The great luxury of Mushrooms can be enjoyed by all at a trifling expenditure of money, time, and labor. We recommend our Pure Culture Mushroom Spawn as generally better both for the market garden and the private planter. Directions for culture sent on application. Ten bricks will plant 100 square feet.

Pure Culture. (In Bricks.) The finest quality. This is vastly more dependable than the old style of English Milltrack Spawn and costs but little more. **Brick of about 1½ lbs., 35c each; 10 bricks, \$3.00.** Ask for prices for larger lots. Free leaflet on Mushroom Culture on request.



BOOK ON MUSHROOMS

This contains very complete yet easily understood directions for growing Mushrooms from Pure Culture Spawn. It is a practical book for the amateur as well as the experienced grower. Illustrated. Paper. Price, 35c. (Leaflet on Mushrooms, 10c.)

Garden Roots for Fall Planting

Asparagus Roots

We offer strong, two-year-old roots of the following varieties:

Columbian Mammoth White, Argenteuil, Palmetto and Conover's Colossal.

Any of the above Asparagus, doz., 30c; 100, \$1.75; 500, \$6.00; 1,000, \$10.50.

Cultural Notes on Asparagus free on application.

Garlic Roots

This is exclusively used in many places for flavoring soups, stews, etc. Cultivate like Onions. ¼ lb., 30c; lb., \$1.00.

Horse Radish

"Maliner-Kren." This new variety from Bohemia is larger, earlier, and whiter than the common kind. We highly recommend it. **Choice sets, 6 for 15c; 25c per doz.; 50 for 75c; \$1.25 per 100.**

Common Variety. Very choice sets grown by an expert. 15c per doz.; \$1.00 per 100.

Rhubarb Roots

We do not handle the heavy, awkward, divided roots, but fine shapely seedlings. We have a fine stock, which we offer as follows: 20c each; \$2.00 per doz.

Johnson's High Grade Farm Seeds

PRICES ON CLOVER SEED ARE SUBJECT TO MARKET CHANGES. WRITE FOR SPECIAL PRICES WHEN
READY TO BUY

Dwarf Essex Rape

For late Summer and Fall pasture Dwarf Essex Rape is most valuable. It is usually planted in July, August or early September and makes good pasture in about six weeks. It is frequently sown in Corn or Potatoes after last cultivation. 20c per lb., 10 lbs., \$1.80. Sow broadcast 4 or 5 lbs. per acre.

Sand or Winter Vetch

Produces good crops on poor, sandy soil, but more vigorous on good land. Grows 4 to 5 feet high. Recommended for seeding with Fall Rye for Winter and Spring pasturage; hardy throughout United States. Stays green all Winter. Earliest for cutting and a full crop may be taken off or plowed under before planting the Spring crops. Sow 30 lbs. per acre in August or September. Lb., 35c; 3 lbs., 95c, postpaid. By freight or express, not prepaid, 10 lbs., \$2.75; 50 lbs., \$13.00. Subject to market changes.

Winter Wheat and Winter Rye

We can supply seed of all the leading varieties, such as **Red Rock, Red Wave, American Banner, etc.,** also **Mammoth Michigan** and the **Famous Rosen Winter Rye.** Lowest prices on application.

Timothy

As a crop to cut for hay, Timothy is probably surpassed by no other grass now cultivated. If sown alone it requires 8 to 12 lbs. per acre. It is usually sown with other grasses about one-half to one-third of the above amount. Can be sown in either Fall or Spring. Timothy seed is one of our specialties.

Clovers—Highest Grades Only

Prices Vary. Special Quotations on Application.

Medium Red. This is considered the most valuable of all the Clovers and is known to every farmer. It may be sown either in the Spring or Fall and if no other grasses are used, at the rate of 8 to 12 lbs. per acre. We are in a position to supply the finest quality seed that the market affords.

Alsike. (Trifolium hybridum.) Unequaled for hay and we cannot too strongly recommend it to our customers. The hay is finer and better than any other, therefore of special value for sowing with Timothy. Sow 15 lbs. per acre.

Alfalfa, or Lucerne. (Medicago Sativa.) We procure our American Alfalfa seed from the states of Kansas, Nebraska, and South Dakota, so that they are suitable for any section of the country. Actual tests of seed from all over the United States show that the stocks produced in the semi-arid districts of the states named give the best results and are harder than stocks grown farther south or by irrigation in the west. Sow 20 lbs. per acre.

Bokhara. (Melilotus alba.) (White Blossom Sweet Clover.) Very valuable for soiling. Splendid in-oculator for Alfalfa. Grows to a height of 3½ to 5 feet. Good for ensilage and bees. Will last two years if cut before it blooms. Sow 10 to 15 lbs. per acre.

Timothy and Alsike Clover Mixture. This mixture contains the best grades and consists of one-fourth to one-third of Alsike and the balance Timothy, which is the proper proportion to produce the best results. 10 lbs. to the acre.

CYCLONE SEED SOWERS

The best and most practical broadcast sower on the market. Each, \$3.25, postpaid.

Johnson's High Grade Lawn Seed



ABOUT LAWNS AND LAWN GRASS SEED

Formation of Lawns from Seed

All grass and clover seed prices are subject to change without notice.

There is nothing more attractive than a well-kept lawn.

The ground should be thoroughly drained and well prepared. The soil ought not to be too rich, as a rapid growth is not wanted in the grasses of a lawn; but the surface should be as much alike in quality as possible and thoroughly pulverized. After sowing, the ground should be rolled if possible, in order to press the seed firmly into the soil, and ten days or so thereafter a light application of Johnson's Lawn Fertilizers will serve to stimulate the growth of the young grasses. The proper time to sow grass seed depends, of course, upon the latitude. In the central and eastern states from March 15th to the middle of May is the best time; but in favorable seasons the sowing may be done up to July 1st. Seed may also be sown in the fall, from the latter part of August to the end of October or later, depending upon the weather. The sowing should be done when the ground is moist, or before an expected rain, and a subsequent rolling is always advisable. As to weeds in newly-made lawns, it may not be generally known that many weed seeds actually lie dormant in the ground for six or seven years and will germinate and make their appearance when the soil is turned up. The annual wild grasses, such as crab grass or summer grass, must be pulled up by the roots before they ripen their seed in the fall.

Johnson's "Reliable"

THE BEST FOR GENERAL PURPOSES

Our Reliable Lawn Grass Seed is the cleanest, heaviest, cheapest and best, because it is made up of Extra R-cleaned Seeds of the finest varieties of grasses, each of which has its season of beauty and the result is the production of a sod that is always evergreen and velvety. Many of the finest lawns of our city are seeded with Johnson's Reliable Lawn Grass, the preparation of which is a specialty with us. Less seed of Johnson's Reliable is required than of any other brand. Hence it is economical in the end. 1 lb. will sow 400 square feet. Lb., 45c; 5 lbs., \$2.00; 10 lbs., \$3.50; 20 lbs. (1 bu.), \$6.00.

Johnson's "Shady Spot"

This is a very high grade mixture of grasses which naturally grow in shady spots. Before sowing in such places, it is well to rake off the surface thoroughly and then apply air slaked lime at the rate of one bushel to every 1,000 square feet. Use one pound of seed for every 300 square feet. Lb., 50c; 5 lbs., \$2.25; 10 lbs., \$4.00; 20 lbs. (1 bu.), \$7.00.

Johnson's "Quick Growth"

A special mixture of seeds which is especially useful where for some reason or other the seed cannot be sown in early spring. Our Quick Growth mixture will cover the ground like magic, but later on produce a permanent and beautiful sod. Lb., 45c; 5 lbs., \$2.00.

Johnson's "Economy" Lawn Seed

This special mixture produces beautiful and permanent lawns. It is made from our own formula, and composed of grasses which are adapted for the purpose of producing a lawn which retains its rich green color and velvety appearance throughout the summer and fall. It is well suited for various soil conditions, giving good results even in small city grass plots, where the soil is generally stiff and heavy. Lb., 40c; 5 lbs., \$1.75; 10 lbs., \$3.60; bu. (20 lbs.), \$5.00.

Golf Links Mixture

Made up from varieties of grasses perfectly adapted to rough usage. Will produce a beautiful, thick, tough lawn in a short time, and will maintain its appearance better than others in spite of wear and dry weather. For Golf Links this mixture is equal if not superior to many Golf Link grasses now in use. Per lb., \$1.00; 5 lbs., \$4.50; 10 lbs., \$8.00; bu. (20 lbs.), \$14.00.

Grass Seed Mixture for Terraces

A mixture of strong, deep-rooted grasses for banks or terraces. Although the grasses are strong and deep rooted, they will produce a fine green velvety surface and also prevent washing away during heavy rains. Lb., 90c; 5 lbs., \$4.00; 10 lbs., \$7.50.
KENTUCKY BLUE GRASS. We handle only the fancy seed. Lb., 80c; 5 lbs., \$3.75; 10 lbs., \$6.75.
WHITE DUTCH CLOVER. For lawns. Should be sown in the spring or early fall. Lb., 75c; 5 lbs., \$3.50; 10 lbs., \$6.75.

LAWN FERTILIZERS—FOR COMPLETE LIST OF FERTILIZERS, SEE PAGE 14

JOHNSON'S SEED STORE Cleveland, Ohio
2158 East Ninth St., Near Prospect. Bell Phone, Cherry 911—Ohio State, Central, 3276