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NEWARK, N.J.

EVERY GARDEN REQUISITE

115 MULBERRY ST.
NEWARK, N.J.

EVERY GARDEN REQUISITE

1917

LAXTONIAN PEAS

NOLL'S TULIP POPPY
**Watching Things Grow**

THAT is our hobby and we should like to make it yours, too. Each one of us has a hobby and each one likes to see things grow. Why not combine these two and watch things grow in your own garden? Nothing does one so much good or gives one so much pleasure as to see fresh vegetables or beautiful flowers growing in the garden. To produce that garden we naturally recommend Noll’s seeds. These are of a solid reliability, of the highest degree of purity and away above the standard of excellence. Did you use Noll’s seeds last year? If so we thank you for your continued confidence. If you did not use our seeds, we earnestly solicit your orders for 1917.

Faithfully yours,

J. F. NOLL & CO., Inc.

January, 1917.

We might add that we deliver Lawn Grass seed in any quantity free, also all packets, ounces and quarter pounds of Vegetable and Flower Seeds to any post or express office or freight station in the United States at the prices quoted in this catalogue, means of transportation at our option. If other items are ordered, please allow for postage as below when making your remittance. You can remit by Post Office or Express Money Order, by check or registered letter. Please order as early as you can; the benefit will be mutual. Give full shipping directions on all orders. If you want your order sent to you by parcel post, total the weight, not counting in packets, ounces, quarter pounds or Lawn Grass seed, and by referring to the map below determine what zone you are in and what amount to remit to cover postage charge. In Zones 1 and 2, and the Local Zone the maximum weight is 50 pounds, all other zones 20 pounds. Sweet Corn weighs about 1½ pounds to the quart, and Peas and Beans will average about 2 pounds to the quart. Articles that cannot be mailed are marked (not mailable).

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PARCEL-POST RATES FROM NEWARK, N. J.

**LOCAL ZONE**

| Weight in pounds | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 |
|------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| Postage          | 18| 18| 19| 19| 20| 20| 20| 20| 21| 21| 22| 22| 22| 22| 23| 23| 24| 24| 25| 25| 26| 26| 27| 27| 28| 29|

**ZONES 1 and 2, 150 Miles**

| Weight in pounds | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 |
|------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| Postage          | 05| 06| 07| 08| 09| 10| 11| 12| 13| 14| 15| 16| 17| 18| 19| 20| 21| 22| 23| 24| 25| 26| 27| 28| 29|

**ZONES 3, 300 Miles**

| Weight in pounds | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 |
|------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| Postage          | 06| 08| 10| 12| 14| 16| 18| 20| 22| 24| 26| 28| 30| 32| 34| 36| 38| 40| 42| 44| 46| 48| 50| 52| 54|

**ZONES 4, 400 Miles**

| Weight in pounds | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 |
|------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| Postage          | 07| 11| 15| 19| 23| 27| 31| 35| 39| 43| 47| 51| 55| 59| 63| 67| 71| 75| 79| 83| 87| 91| 95| 100|

**ZONES 5, 1,000 Miles**

| Weight in pounds | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 |
|------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| Postage          | 08| 14| 20| 26| 32| 38| 44| 50| 56| 62| 68| 74| 80| 86| 92| 98| 104|110|116|122|128|134|140|146|

**ZONES 6, 1,400 Miles**

| Weight in pounds | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 |
|------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| Postage          | 09| 17| 25| 33| 41| 49| 57| 65| 73| 81| 89| 97|105|113|121|129|137|145|153|161|169|177|185|193|

**ZONES 7, 1,800 Miles**

| Weight in pounds | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 |
|------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| Postage          | 11| 21| 31| 41| 51| 61| 71| 81| 91|101|111|121|131|141|151|161|171|181|191|201|211|221|231|241|

**ZONES 8, 2,000 Miles**

| Weight in pounds | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 |
|------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| Postage          | 12| 24| 36| 48| 60| 72| 84| 96|108|120|132|144|156|168|180|192|204|216|228|240|252|264|276|288|

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*Note: Rates subject to change without notice.*
Noll’s Vegetable Seeds

ASPARAGUS SEED
One ounce will sow 50 feet of row

Just as soon as the ground is workable after the frost is out, sow the seed 1 inch apart in rows which should be 2 feet apart, and cover very firmly with about 1 inch of soil. It is advisable previously to soak the seed in warm water. After the seedlings have grown to a size when they can easily be handled, thin them out to at least 2 inches apart, keep them free from weeds, and be careful to water them well during summer and autumn. In the spring set out the one-year-old plants 1 foot apart in rows 18 inches apart, in a well-manured, rich, sandy loam and cover the tops firmly with 3 inches of soil. We advise you not to cut too closely. It is an excellent thing to apply salt every spring at the rate of a half-pound for every square yard of bed. Manure well in the fall, spading it in the next spring. Full cultural directions on every bag.

Conover’s Colossal.
Produces large, succulent, and tender shoots of fine quality. Pkt. 5 cts., 3 oz. 10 cts., 1 lb. 20 cts., lb. 60 cts.

Early French Giant.
Early, prolific, and vigorous, growing splendid white shoots of excellent quality. Pkt. 10 cts., oz. 20 cts., 1/2 lb. 30 cts., lb. $1.

Palmetto. The finest variety for the home-garden Asparagus bed. Earlier and extremely uniform strain producing finely flavored large stalks, nearly an inch in diameter but tender and delicious. Pkt. 5 cts., oz. 10 cts., 1/4 lb. 20 cts., lb. 60 cts.

ASPARAGUS ROOTS

While we sell Asparagus seed to hundreds of our customers every year, we really advise the use of two-year-old Asparagus Roots. There is not only a saving in time of two years, but you can cut Asparagus during the first year. In the latitude of New York City we advise setting them out in April or May in well-drained very rich soil. Dig trenches about 15 inches wide and about 18 inches deep and set the roots from 18 to 24 inches apart in the row, keeping the rows 4 to 5 feet apart. Be sure to spread the roots carefully. It is best to put about 3 or 4 inches of well-rotted manure in the bottom of the trench; cover this with 2 or 3 inches of soil and place the roots on top of this soil, then cover them firmly with about 3 inches of soil.

We can supply strong two-year-old roots of Conover’s Colossal, Early French Giant, or Palmetto, at 25 cts. for 10, $1 per 100, $7.50 per 1,000, delivered to you.

ARTICHOKE
One ounce will sow 100 feet of row

To grow Artichokes successfully we recommend the use of a rich sandy loam, fairly deep, and with plenty of well-rotted manure. In the latitude of New York, it is best to sow the seed in April or May in hotbeds and transplant, when the plants are large enough, to rows 3 or 4 feet apart, so that the plants are from 12 to 18 inches apart in the row. The plants will reach maturity in the second year. If you desire to hasten the growth so that they will mature late in the first year, we advise sowing the seed in hotbeds in February. Pot off the seedlings and later transplant to the garden bed as above. All flower-heads should be cut off as they ripen and before they expand. As the cold weather approaches, cut off and tie up the leaves in order to reduce the size, and bank up to the top with earth. We print full cultural directions on every bag.

Large Green Globe. This is the very finest variety of this popular southern delicacy, producing large, somewhat elongated heads, like a compactly petaled flower. These are very tender and delicious when cooked similar to asparagus and are considered highly nutritious. The plants will continue to bear for years. Pkt. 10 cts., oz. 25 cts., 1/4 lb. 80 cts.
BEANS, DWARF OR BUSH

One quart will plant 100 feet of row

The best soil is a well-manured sandy loam, but very fine crops are produced on an average garden soil. After the ground is perfectly warm, in the latitude of New York usually about May 1, sow at intervals of two weeks in order to secure a success- sion throughout the season. The seed should be placed about 2 inches apart in rows about 1½ to 2 feet apart. Be sure to cover firmly with not more than 2 inches of soil. Thin out the plants grown from 4 to 6 inches apart in the row. Cultivate thoroughly and often, keeping a mulch of loose soil at all times. When the crop comes to bloom, cultivate shallow, as deep cul- tivation at this time will cause many blooms to fall, decreasing the crop. Beans will be ready in from six to eight weeks from time of planting. Full cultural directions on every bag.

GREEN-PODDED or SNAP BEANS

Black Valentine. This fine Bean is hardy and prolific. It is an early variety producing long, straight, round, light green pods of fine quality. Many prefer this sort, as it bears a heavy crop and does not need extra attention. Pkt. 10 cts., pt. 25 cts., qt. 45 cts., pk. $3.

Boston Pea or Navy. This variety is a sure cropper and not only more prolific than the common white Bean but also of better quality, The Beans are small, oval, and white, and are used as dry Beans, or for baked Beans. Pkt. 10 cts., pt. 25 cts., qt. 45 cts., pk. $2.75.

Bountiful. We are enthusiastic about this variety. The pod is long, flat, and almost stringless, of a very fine quality, and a heavy yielder. An early variety, fine for the home-garden. Pkt. 10 cts., pt. 30 cts., qt. 50 cts., pk. $3.25.

Burpee’s Stringless Green-Pod. A very early, productive and stringless variety of excellent quality. Pods are of a rich green color, round and straight, averaging 5 inches in length, and are tender, brittle, and of the finest flavor. Pkt. 10 cts., pt. 35 cts., qt. 55 cts., pk. $3.75.

Dwarf Horticultural, or Speckled Cranberry. One of the best dwarf varieties for green shell Beans for the home-garden and can be used early as a green-podded snap Bean. The plants are very productive, compact, and upright, with large leaves. The young green pods are tender and of good flavor, medium length, and slightly curved, and when near maturity become yellow-skinned, blotched with bright red. The shelled Beans are also used for soup and baking purposes. Pkt. 10 cts., pt. 30 cts., qt. 50 cts., pk. $3.

Extra-Early Red Valentine. This is the original and still popular Valentine variety. The round pods are of good quality and fine flavor. The vines are hardy and yield a heavy crop. This Bean requires about fifty days from the time of planting to picking. Pkt. 10 cts., pt. 25 cts., qt. 45 cts., pk. $3.

Extra-Early Refugee. This popular Bean produces spreading vines, thickly leaved, protecting the round, thin, stringless pods from the sun. It is a heavy yielder and is one of the best for the home-garden, either for the first or early variety or for a late fall planting. Pkt. 10 cts., pt. 25 cts., qt. 45 cts., pk. $3.

Full Measure. A prolific stringless, long-podded sort, with nearly round, brittle, 6-inch pods on heavy vines throughout a long season. Pods firm, tender, and have no neck. Pkt. 10 cts., pt. 30 cts., qt. 55 cts., pk. $4.

Giant Stringless Green-Pod. Very prolific, has vigorous vines but maturing the pods later than Burpee’s Stringless. Good for the home-garden, producing large pods. Crop failure.

King of the Early. We strongly recommend the use of this fine variety for the home-garden. It can be planted a week earlier than any other green Bean, as the dry Bean will withstand cold, wet weather when other strains would rot in the ground. The main features are its earliness and ability to yield heavily through the season, it is a first-class one, giving better results in this respect than any other variety that we list. Remarkably adapted for a late planting as the first early, owing to the hardiness of the vine which resists the unfavorable weather and disease. Include this one in your order. Pkt 10 cts., pt. 30 cts., qt. 50 cts., pk. $3.75.

Large White Marrow. A popular variety for winter use as a shelled or dry Bean. The large spreading

Large White Marrow, continued

vines are heavy yielders. The Beans cook dry and


Longfellow. Another excellent variety which we

strongly recommend for the home-garden. Pods

round, tender, and stringless when young, averaging

5½ to 6½ inches. A heavy picking of fine quality

will be ready in about fifty-two days. Pkt. 10 cts.,

pt. 30 cts., qt. 50 cts., pk. $3.25.

Low’s Champion or Boston Cranberry. This variety

is used mostly for shelled Beans. The vines are

vigorous and productive, keeping the pods well off

the ground. Pkt. 10 cts., pt. 30 cts., qt. 50 cts., pk. $3.

Refugee, or 1,000-to-1. An excellent late variety and

ever extremely popular. Pods round, tender, and meaty,

about 5 to 6 inches long, light green and brittle. The

productive vines grow about 15 to 18 inches high,

bushy in growth, strong, and hardy. Requires about

seven or days to maturity. Pkt. 10 cts., pt. 30 cts.,

qt. 50 cts., pk. $3.45.
BEANS, DWARF or BUSH, continued

YELLOW OR WAX-PODDED (BUTTER BEANS)

Black Wax Improved. This is a standard early variety having golden yellow pods 5 inches in length, usually curved, quite round, meaty, brittle, stringless, and of fine flavor. Pkt. 15 cts., pt. 30 cts., qt. 55 cts., pk. $4.25.

Burpee's Brittle Wax. This is a very early, superior variety which has come into great favor. The bushes are remarkably hardy and very prolific, producing pods which are usually sappy-backed, tender, brittle, and entirely stringless right up to maturity. We are sure you will be pleased with this variety for family use. Crop failure.

CALIFORNIA RUST-PROOF. We certainly advise the use of this excellent variety for the home-garden. It deserves all the praise that we can give it. The vines are vigorous and hardy, producing pods 5 to 6 inches long, flat, and of a light golden color. It is one of the best and earhest Beans ever originated. The strong feature of this sort is that it resists rust to a remarkable degree. Pkt. 15 cts., pt. 35 cts., qt. 60 cts., pk. $4.25.

Currie's Rust-Proof. This old favorite variety is early, vigorous, and productive. The pods average 5 inches in length, are flat and of a light yellow color, making an excellent appearance. Pkt. 15 cts., pt. 30 cts., qt. 55 cts., pk. $4.25.

Davis Kidney Wax. If you are anxious to grow a Wax Bean of superior quality, we advise the use of this sort. The pods are straight, flat, and slim, about 6 inches long, of a rich golden yellow color, and have a most delicious flavor. We advise the use of type Wax Bean which will give finer table Beans for use when young than this one. It bears handsomely and is one of the best varieties for a later planting. Pkt. 15 cts., pt. 30 cts., qt. 55 cts., pk. $4.25.

Golden-Eyed Wax. An early vigorous prolific variety, bearing large, flat, waxy, golden pods of good flavor. Hardy vines grow about 1½ feet high, keeping the pods well off the ground. It is fairly rust- and blight-resisting. Pkt. 15 cts., pt. 30 cts., qt. 50 cts., pk. $3.75.

Golden Wax Improved. This is a half-round-podded variety, fairly stringless, pods growing 4 to 5 inches in length, and of excellent quality, and is very prolific. Pkt. 15 cts., pt. 30 cts., qt. 55 cts., pk. $4.25.

Hodson Wax. We highly recommend this Bean for a late planting. The bushes are of strong, vigorous growth, producing a heavy crop of long, flat, handsome yellow pods which are twelve days later in maturing than the early wax sorts but are unusually free from rust, blight, and other diseases, giving the least trouble to the home-gardener. Pkt. 15 cts., pt. 30 cts., qt. 55 cts., pk. $4.25.

NOLL'S GOLDEN QUEEN WAX. This excellent variety produces enormous pods of fine flavor, and is very desirable for home use. The pods are tender and stringless if used when young, and are borne heavily on the vigorous vines. This is a most productive sort and of good flavor. Pkt. 15 cts., pt. 35 cts., qt. 60 cts., pk. $4.25.

Pencil-Pod Black Wax. This variety produces bushes of strong, branching growth about 15 inches high and is very productive. The pods are straight, fully rounded, meaty, and deeply saddle-backed, 6 to 7 inches long, and of a light golden yellow color. They are tender, brittle, of fine flavor, and stringless. About fifty-two days are required from time of planting to maturity. Pkt. 15 cts., pt. 30 cts., qt. 55 cts., pk. $4.25.

Sure-Crop Stringless Wax. This is an excellent and desirable variety abundantly producing large, stringless, long, flat pods which are extremely tender. It is an abundant cropper. Crop failure.

Wardwell's Kidney Wax. An excellent standard Wax Bean which is very popular with the home-gardener. The strong bushes are about 15 inches high, vigorous and very productive. The pods are straight, flat, about 5 to 6 inches in length, and of a rich golden yellow color. They are thick, stringless, and brittle, and are usually ready to pick in about fifty days from planting. Pkt. 15 cts., pt. 30 cts., qt. 55 cts., pk. $4.25.

BEANS, POLE OR RUNNING

Use one quart of seed for 100 hills

We recommend the use of a well-manured sandy loam. Seeds should be planted about May 1 in the latitude of New York City, after settled warm weather. Set cedar or similar poles 8 to 10 feet in length in rows 4 feet apart running north and south, poles being 3 feet apart in the row. Set the poles 18 inches deep and slanting slightly to the north. In the hill around each pole plant five or six beans 2 inches deep and cover firmly. When well started, thin to four plants to the hill and tie them up to the pole so that all plants twine around the pole in the same direction.

GREEN-PODDED POLE BEANS

McCASLAN POLE. A comparatively new green-podded variety. It comes early and bears throughout the season, if the Beans are not allowed to mature. The pods average 8 to 10 inches in length, are flat, slightly curved, and of a rich green color, containing ten fine Beans, Makes an excellent snap Bean and the white-shelled Beans are unsurpassed for winter use. Pkt. 10 cts., pt. 35 cts., qt. 60 cts., pk. $4.

Horticultural, or Speckled Cranberry. This Bean is especially adapted for short seasons and cool locations. It produces long, round, thick pods of fine green color, and is very prolific. Pkt. 10 cts., pt. 25 cts., qt. 40 cts., pk. $2.50.

Kentucky Wonder, or Old Homestead. This standard green-podded pole Bean continues to bear throughout the season, if the pods are picked as they mature. The pods are 7 to 9 inches long, very deeply creased, meaty, stringless when young, and of finest quality. This is an old variety but has stood the test of years of comparison and is still one of the most popular pole Beans to be had. Pkt. 10 cts., pt. 25 cts., qt. 45 cts., pk. $3.

Scarlet Runner. This well-known variety grows about 10 feet high, bearing large sprays of bright scarlet pea-like flowers which are very ornamental. When fully ripened, the Beans are bright scarlet heavily blotched with purple. Pkt. 10 cts., pt. 30 cts., qt. 50 cts., pk. $3.25.

YELLOW-PODDED WAX POLE BEANS

Early Cluster Wax. This is the best wax pole Bean in cultivation. The large flat pods are of a golden yellow color and excellent flavor. Being used more largely each year. Pkt. 15 cts., pt. 30 cts., qt. 50 cts., pk. $3.50.

You must have noticed that the prices of Beans are considerably higher this year than they have been heretofore. This is due to the extremely short Bean crop this past season in the sections where Beans are grown for seed.
**BUSH LIMA BEANS**

One quart will plant about 150 hills, or 100 feet of row

It is best to select a rich light soil. Sow the seed after the ground is dry, danger of frost is over, and the weather is warm, about May 20 in the latitude of New York City. Make the rows 2 to 3 feet apart, dropping the Beans 3 to 4 inches apart in the row, and be sure to cover firmly with 2 inches of soil. The Beans should be placed on edge with the eye down, as this will make them germinate more rapidly. Thin the plants to stand 10 inches apart in the row. Brussels Limas may also be planted in hills 3 feet apart one way and 2 feet apart the other, using 4 to 6 Beans to the hill. The plants should be cultivated often but it is best to do this when they are dry. We print full cultural directions on every bag.

**Burpee’s Bush Lima.** This is a good standard variety with medium-sized Beans and pods. The bushes grow about 18 inches high, erect and of vigorous growth. The pods are well filled with Beans of very good quality. Pkt. 10 cts., qt. 25 cts., qt. 40 cts., pk. $2.50.

**Burpee’s Improved Bush Lima.** This is the finest largest bush lima ever introduced, and we commend it highly. The bush growth is very vigorous with heavy foliage, reaching 30 inches in height and 24 inches across the top. The pods, often found in clusters of five to ten, measure about 6 inches in length and well over an inch in width. The Beans are very large and thick, running five to a pod. They mature a week earlier than the old Burpee Bush. Pkt. 10 cts., qt. 25 cts., qt. 45 cts., pk. $2.75.

**Dreer’s Bush Lima.** This is the standard bush lima of medium size for which there is such large demand. The strong plants bear an enormous crop of good-sized pods. The Beans are smaller than Burpee’s Improved Bush Lima but are preferred by many owing to their rich buttery flavor. Pkt. 10 cts., qt. 25 cts., qt. 45 cts., pk. $2.75.

**Fordhook Bush Lima.** A very excellent sort and has become one of the most popular bush potato limas, being used more largely each year. The bushes are erect, branching freely. The pods are larger than the Dreer’s and six to eight days earlier. The green Beans are thick and meaty, four to the pod, very tender, juicy, and of fine flavor. This variety bears the pods in clusters and is a heavy yielder. We urge you to try it. Pkt. 10 cts., qt. 25 cts., qt. 45 cts., pk. $2.75.

**Henderson’s Bush Lima.** An extremely early and very productive variety and is the first of the bush limas to come in. The Beans are small but very tender and of a very fine rich flavor. Pkt. 10 cts., qt. 25 cts., qt. 40 cts., pk. $2.50.

**Noll’s Ideal Potato Bush Lima.** To obtain the finest yield of the medium-sized bush limas, we advise the use of this variety. We have carefully selected it for size and quality and it is more prolific than Dreer’s Bush Lima. The bushes attain 18 inches in height and are heavily filled with large pods. Most satisfactory for the home-garden. Pkt. 15 cts., qt. 30 cts., qt. 50 cts., pk. $3.25.

**POLE LIMA BEANS**

One quart will plant 100 hills

It is safest to plant in a well-manured sandy loam fully two weeks after settled warm weather, in the latitude of New York City, about May 20. Set cedar or similar poles 8 to 10 feet in length in rows 4 feet apart running north and south, the poles being about 3 feet apart in the row. It is best to set the poles in the ground 18 inches deep, slanting slightly to the north. In the hill around it plant five or six Beans, placing them 2 inches deep, on edge with the eye down, and cover firmly with soil. When they are well started thin out, leaving the four strongest plants to each pole so that all will run in the same direction.

**Ford’s Mammoth-Podded Lima,** continued as an early green Bean or as a dried shelled Bean. Pkt. 10 cts., qt. 25 cts., qt. 40 cts., pk. $2.50.

**King of the Garden.** This variety produces large flat pods of good quality containing five to six large Beans. It is very prolific and quite early. Pkt. 10 cts., qt. 25 cts., qt. 40 cts., pk. $2.50.

**Large White Lima.** An old favorite, very largely grown for family use. The large flat kidney-shaped Beans are tender and delicious when cooked. Pkt. 10 cts., qt. 25 cts., qt. 40 cts., pk. $2.50.

**Noll’s Potato Pole Lima.** This is the finest sort for the home-gardener to grow. It sheds more quarters of Beans than the bushel of pods than any other variety of pole limas. The Beans themselves are of good size, very thick, and of excellent quality. Pkt. 10 cts., qt. 30 cts., qt. 50 cts., pk. $3.

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**BRUSSELS SPROUTS**

One ounce will produce 1,500 plants

Use a rich heavy loam with good drainage. In the latitude of New York City, sow outside in rows in May and transplant in July 2 to 2½ feet apart, setting the plants 1½ to 2 feet apart in the rows. Cultivate often. Brussels Sprouts are as hardy as the common curled greens and may be had in fine condition from October until December, while farther south they may be had through March. Full cultural directions on every bag.

**Half-Dwarf Improved.** The stem of this variety grows from 20 to 28 inches, closely set with medium-sized grayish green, very firm, and well-rounded Sprouts. Pkt. 10 cts., oz. 25 cts., ½ lb. 75 cts., lb. $2.50.
The best soil is a light sandy loam, having been previously enriched with well-rotted manure. If the Beets are wanted extremely early, sow in hotbeds and transplant, cutting off the outer leaves. For early use, sow in rows at intervals so that the time the ground is fit to work is in spring, up to July in the latitude of New York City for open planting now in the first week of May. The rows should be 1 foot apart and the seed should be sown thinly and covered firmly with 1 inch of soil. When the plants attain three or four leaves, thin them out to stand 4 inches in the row. We print full cultural directions on every bag.

Crimson Globe. This fine variety is of medium size and perfect globe shape, and is produced very uniformly, with smooth skin, small tops, and a rich dark blood-red color, slightly zoned. It is very tender and sweet. Pkt. Sc, oz. 15c, ½lb. 50cts., lb. $1.50.

Detroit Dark Red. Our well-known strain of this very early variety is of exceptionally fine quality and attractiveness. The root is almost globe-shaped, tapering slightly, and smooth The flesh is a deep vermillion-red, crisp, and sweet. Leaves are green with dark red stems and veins. We most highly recommend this Beet for home culture. Pkt. 5 cts., oz. 20 cts., ½lb. 50 cts., lb. $1.75.

Dowing's Improved Blood Turnip. A handsome, thick, top-shaped, smooth Beet with carmine-red flesh, zoned with lighter shade. The leaves are green, tinged with red during the summer. This is quite an early variety and a good keeper. Pkt. 5 cts., oz. 10 cts., ½lb. 30 cts., lb. $1.

Eclipse. This variety is extremely early, of small size, but grows very rapidly. Its very fine quality, round shape, smoothness, and deep red color make it a favorite. It has a scant top, with brown-red foliage. Pkt. Sc, oz. 15c, ½lb. 40c., lb. $1.25.

Edmand's Blood Turnip. One of the best to follow the extra-early sorts and for a late planting. The root is top-shaped and dark red. The flesh is a deep blood-red, zoned. The small top foliage is green with dark red ribs and stalk. Plant this sort at the same time as the extra-early varieties and it will mature just after them in a succession. Pkt. 5 cts., oz. 15 cts., ½lb. 40 cts., lb. $1.25.

Egyptian Extra-Early. This is our choice for the early sort and is best for forcing. The root is decidedly flattened turnip-shaped, and the flesh is very dark blood-red. The top is small with brown-red leaves mixed with green. For rapid maturation of this variety is unsurpassed. Pkt. 5 cts., oz. 15 cts., ½lb. 40 cts., lb. $1.25.

Electric. A fine extra-early variety, especially adapted for greenhouse and frame use on account of its erect growth and short tops and is of fine quality. Pkt. 5 cts., oz. 15 cts., ½lb. 50 cts., lb. $1.50.

Lentz Turnip. This early-maturing top-shaped Beet has flesh of a red color marked with white sections. The foliage is green and slightly tinged with crimson. The white zone in the flesh entirely disappears when cooked. Pkt. 5 cts., oz. 15 cts., ½lb. 40 cts., lb. $1.25.

Long Smooth Blood. (Out of ground.) This is the best of all long leaf varieties, producing a root from 12 to 14 inches long, and growing one-third out of the ground. The flesh is deep red, and the leaves are green, veined with red. This Beet keeps well through the winter. Pkt. 5 cts., oz. 15 cts., ½lb. 15 cts., lb. $1.25.

Nutting's Early Gem. This is one of the leaders of the extra-early varieties, making a fine, smooth, spherical-shaped root with fine red-colored flesh. It

Nutting's Early Gem, continued

is very early, perfectly smooth, tender, sweet, and of a dark color and it does not crack as the old Egyptian or other early varieties are apt to do. This kind makes an unusually attractive Beet for table use. Pkt. 5 cts., oz. 20 cts., ½lb. 15 cts., lb. $1.75.

NOLL'S SUPERB. We particularly call your attention to this fine home-garden Beet. In this variety we combine a very dark red color, round root, and earliness, which make it very desirable. It is indeed very early, maturing several days before the other sorts. The shape is uniformly perfect, being entirely free from fibrous side roots which are so objectionable. In fact it is one of the smoothest Beets on the market. The flesh is a rich dark blood-red color, tender, crisp, and deliciously sweet, besides having a small short top. It will produce a good crop inside of seven weeks from long, no. 8. I believe you will be well pleased, if you try this variety. Pkt. 5 cts., oz. 20 cts., ½lb. 50 cts., lb. $1.75.

SWISS CHARD

Common. This member of the Beet family is becoming more popular every year. It is grown for the leaves only, and cooked like spinach. The midrib is prepared like asparagus. It is hardy and productive, with broad green leaves and large white middles or chards of excellent quality, and can be sown at different seasons of the year, giving successive greens. Pkt. 5 cts., oz. 15 cts., ½lb. 40 cts., lb. $1.25.

LUCULLUS. A peculiarly delicious variety, having green leaves which are remarkably crimped and curled, like savory-leaved cabbage. The chards are white and broad but not as broad as the common variety, although equally fine in flavor. Pkt. Sc., oz. 20c., ½lb. 50c., lb. $1.75.

MANGEL-WURZEL

Golden Tankard. The root is quite large and of an almost cylindrical shape narrowing abruptly at both ends. The skin is deep orange-red and the flesh is zoned with yellow and white and is very numerous. Pkt. 5 cts., oz. 10 cts., ½lb. 15 cts., lb. 50 cts.

Mammoth Long Red. This is the largest of all the Mangels and is more popular than any other. The root is 15 to 18 inches long, weighing 6 to 8 pounds and with a heavy shoulder. It grows one-half above the ground and is easily pulled. This yields enormous crops. Pkt. 5 cts., oz. 10 cts., ½lb. 20 cts., lb. 55 cts.

SUGAR BEET

Giant Half-Sugar Rose. The root of this variety is very large, smooth, and clean, of oval shape, growing one-half out of the ground. The skin is deep red and the flesh is white and sweet and of high nutritive value. A heavy cropper. Pkt. 5 cts., oz. 15 cts., ½lb. 15 cts., lb. 50 cts.

Vilmorin's Improved Sugar. The best grown, highest in nutritive value and percentage of sugar. Pkt. 5 cts., oz. 10 cts., ½lb. 20 cts., lb. 60 cts.
CABBAGE

The best results are obtained from a well-drained heavy loam. Sow the early varieties in hotbeds in February, or better still, winter them over in coldframes. Sow from the 10th to 20th of September and in four or five weeks transplant to coldframes. Set plants down to the first leaf, burying all the stem. In the latitude of New York City from March 15 to April 15 set out plants in open ground 18 inches apart in rows which are 2 feet apart. This earliest crop matures in July and August. For late Cabbage, sow from May to June, setting the plants out in July, 2 feet apart in rows 3 feet apart. This crop matures from September to November. We print full cultural directions on every bag.

EXTRA-EARLY VARIETIES

All-Head Early. This fine Cabbage is the earliest of all large Cabbages and is considerably larger than any other Cabbage of equal earliness. The deep flat, large heads are very solid, heavy, and of astonishing uniformity, color, size, and form. We also recommend this variety for late use. Pkt. 5 cts., oz. 35 cts., 1/4 lb. $1, lb. $3.50.

Charleston Wakefield. A very fine, early, pointed-head sort of standard reputation. Heads are large, remarkably uniform in size and shape, and fine for the home-garden. This Cabbage is ten days later than the Early Jersey Wakefield but produces heads of a larger size. Pkt. 5 cts., oz. 30 cts., 1/4 lb. 85 cts., lb. $3.

COPENHAGEN MARKET. On its own merits Copenhagen Market has become a national standby in this country in the last five years. The heads are round, averaging 8 to 10 pounds in weight, surprisingly solid, with small core, and of excellent quality and uniformity. The light green saucer-shaped leaves are folded one over the other, tightly and compactly. The plants are short-stemmed, placing the heads just above the level of the ground. It is ready just as early as the Early Jersey Wakefield and can be planted as close as the Charleston Wakefield. If you have not as yet tried this unexcelled round sort, we heartily advise you to do so. Pkt. 10 cts., oz. 40 cts., 1/4 lb. $1.75, lb. $5.

EARLY JERSEY WAKEFIELD. Our strain of this excellent extra-early, pointed-head sort is without a parallel. The heads are small as compared with the later Charleston Wakefield, but are solid and extremely uniform in both green color and size. We have the original strain of this Cabbage selected up to perfection and we know that there is no better strain to be found anywhere. Pkt. 10 cts., oz. 40 cts., 1/4 lb. $1.75, lb. $5.

Early Spring. A good, early, flat-headed variety with few outer leaves and so can be planted very close, this feature being important for the home-garden where space is limited. The heads are as large as many of the late varieties and are very solid and compact, and of the best quality. Pkt. 5 cts., oz. 30 cts., 1/4 lb. 85 cts., lb. $3.

Early Winnigstadt. This is an old standard, early variety of conical head Cabbage, extremely popular and of excellent quality. The large green heads are hard and solid, requiring more time to mature than Jersey Wakefield. We advise that you use this sort to follow the extra-earlies. Pkt. 5 cts., oz. 25 cts., 1/4 lb. 75 cts., lb. $2.50.

SECOND-EARLY VARIETIES

All-Seasons. As its name implies, this is a reliable Cabbage under all conditions and is an excellent variety to follow where only one planting of Cabbage is made for table use. It is second-early, round-headed, fine and solid, and of good quality. Pkt. 5 cts., oz. 30 cts., 1/4 lb. 85 cts., lb. $3.

Danish Summer Ballhead. Our stock of this variety produces fine good-sized ball-shaped heads of good quality and is very uniform in growth and size. Pkt. 5 cts., oz. 30 cts., 1/4 lb. $1.75.

Early Summer. This medium-sized, standard second-early variety is flat-round in shape with light green spreading outer leaves enclosing a solid head which is an excellent keeper and does not burst readily. Pkt. 5 cts., oz. 30 cts., 1/4 lb. 85 cts., lb. $3.

Fottler’s Brunswick. An old standard, but still popular variety producing large, flat, solid heads on short stems with few outer leaves. This Cabbage shows a tendency to form heads under all conditions and will stand in the garden in fit condition for a long period of time. Pkt. 5 cts., oz. 25 cts., 1/4 lb. 75 cts., lb. $2.50.

Glory of Enkhuizen. A very good short-stemmed medium-early variety with large, round, very dark green, handsome heads and few outer leaves. This allows for close planting which is an important feature in planting the city or suburban garden. Pkt. 5 cts., oz. 30 cts., 1/4 lb. 85 cts., lb. $3.

Market-Granmother’. We believe this to be the finest second-early Cabbage grown, and is equally as good for a main or late planting. The heads are large, flattened, and grow compactly. Hence they can be planted closely than most heads. The heads average 8 to 12 pounds each and are of unsurpassed quality. We recommend this for private use. Pkt. 10 cts., oz. 35 cts., 1/4 lb. $1, lb. $3.50.

Newark Early Flat Dutch. We recommend this strain as a sure header of the medium-early class, producing flat, medium-sized heads of good quality. Pkt. 5 cts., oz. 30 cts., 1/4 lb. 85 cts., lb. $3.

Sunder. In this variety we have a certain leader of the main-crop Cabbages of its type. It is extremely popular with the private gardener owing to its remarkable surety to head. These are from 10 to 15 pounds each are remarkably uniform, hardy, fine in texture, of a large round flattened shape, sweetly flavored, and with few loose leaves. Pkt. 5 cts., oz. 30 cts., 1/4 lb. 85 cts., lb. $3.

SUCCESSION. Those who are familiar with the different varieties of Cabbage have long recognized the superiority of our strain of Succession. This is a foremost Cabbage for all purposes, doing exceptionally well under ordinary conditions for either spring, summer, or fall planting. The enormous flat, solid heads are remarkably uniform and of fine quality. This is the Cabbage crown, is an excellent keeper, and will stand a lot of drought, never failing to make a crop. Pkt. 5 cts., oz. 30 cts., 1/4 lb. 90 cts., lb. $3.25.
LATE OR WINTER CABBAGE

Autumn King, or Worldbeater. This is a good variety for late planting growing a very large, solid, flattened head of very good quality. It matures about the same time as the Late Flat Dutch and is a good variety for keeping for winter use. Pkt. 5 cts., oz. 25 cts., ¼ lb. 75 cts., lb. $2.50.

Danish Ballhead, Tall-stemmed. For late crop in a tall-stemmed, spherical, hard-heading variety it cannot be excelled. A little later than Danish Roundhead. Pkt. 5 cts., oz. 30 cts., ¼ lb. 85 cts., lb. $3.

Danish Roundhead, Short-stemmed. Has become very popular during the last few years, and we consider it one of the best keeping varieties ever originated. Heads are round, larger and earlier than Danish Ballhead, heavy and extremely hard. Our supply comes direct from Denmark and is sure to give satisfaction. Pkt. 5 cts., oz. 25 cts., ¼ lb. 80 cts., lb. $2.75.

Large Late Drumhead. This popular variety forms a very large head of the Flat Dutch type on a short stem, and heads are uniformly solid and heavy and of excellent quality. Pkt. 5 cts., oz. 25 cts., ¼ lb. 75 cts., lb. $2.50.

LATE FLAT DUTCH, NOLL’S SUPERB. This is considered by many as the very best of the late varieties. The heads grow very large and flat, of a bluish green color, with few outer leaves and on a short stem. They are extremely uniform and solid and of a superior quality. We have selected our stock of this Cabbage for uniformity of size, shape, and quality, and believe that it cannot be improved upon. Pkt. 5 cts., oz. 30 cts., ¼ lb. 85 cts., lb. $3.

SAVOY, NOLL’S PERFECTION DRUMHEAD. This is the hardest heading, most satisfactory, and best all-round savoy Cabbage. The plants are of strong growth, having only a few outer leaves growing closely about the large, solid, round, dark green heads. The leaves are heavily crimped or savoyed, making the heads peculiarly attractive. The flavor is far superior to the other varieties, deliciously mild, and of a smoothness which is not found in other Cabbages. Pkt. 10 cts., oz. 40 cts., ¼ lb. $1.10, lb. $4.

RED VARIETIES

DANISH DELICATESSE. This is the leader of the red-leaved Cabbages, being earlier than Mammoth Rock Red and of equally good flavor, producing good-sized, firm heads of intensely rich red color. The heads are round, inclined to the conical shape, and are remarkably free from splitting. We suggest this variety for your pickled Cabbage for this year. Pkt. 10 cts., oz. 40 cts., ¼ lb. $1.10, lb. $4.

Danish Stonehead. This is a very heavy, hard-heading Cabbage and is of a dark red color. The heads attain a large size and are of an exceptionally fine quality, and we believe will please the most critical. Pkt. 10 cts., oz. 50 cts., ¼ lb. 80 cts., lb. $5.

Mammoth Rock Red. This late standard variety produces very solid, 10-pound heads of intense dark red color. The plant is large with numerous spreading leaves and is sure heading. Used for pickling and produces the largest heads of the red varieties. Pkt. 10 cts., oz. 40 cts., ¼ lb. $1.10, lb. $4.

CHERVIL

Sow in early spring, in the latitude of New York City about April 1, in rich well-prepared soil. Cover firmly with 1 inch of soil. The seed is slow to germinate, sometimes remaining in the soil four or five weeks before the plants appear. When plants are about 2 inches high, transplant and thin to about 1 foot apart, allowing 1 ½ to 2 feet between the rows. Plants are ready for use six to ten weeks from sowing. We print full cultural directions on every bag.

Curled. The young aromatic leaves are used in soups and salads. Leaves are slight, bright green, crisp, curled, and very much divided. Pkt. 5 cts., oz. 15 cts., ¼ lb. 40 cts., lb. $1.25.
CHINESE or CELERY CABBAGE

We particularly call your attention to this new vegetable which is remarkably well adapted for growing in the private garden. In all our experience we have never known any novelty vegetable which has taken greater strides in popularity than the Chinese Cabbage. A few of our most enterprising and observant market-gardeners saw at first the wonderful opportunities in this delicious vegetable and it is now commonly seen on the markets and has met with a great success. We are very enthusiastic about this Chinese Cabbage and strongly advise you to include this when planting your garden for this year. It is very easily grown and takes very little space, both of which points are of first importance in the table-garden. We believe in bringing to the attention of our customers any novelty vegetable which we find is of exceptional merit, and we know if you try this one, that you will include it every year. We print full cultural directions on every bag.

Pe-Tsai. This delicious Chinese vegetable belongs to the Cabbage family and closely resembles a well-grown Cos Lettuce, but is heavier. We advise that the seed be sown about August 1 (not earlier). Either start in frames and transplant, or simply sow where the plants are to remain, thinning to 12 inches apart in the row. The light green, crumpled-leaved heads are very tender and of a delicious flavor. Pkt. 10 cts., oz. 50 cts., $1.15 lb., $5.

Wong Bok. This is the original Chinese-grown strain, producing a heavier and more solid head than the Pe-Tsai variety. Has a deliciously mild Cabbage flavor, and the pale green, closely-wrapped leaves blanch to almost pure white. Our select strain produces heads of remarkable solidity. Sow about August 1, and cultivate like the Short-Top Half-Long Cabbage. Allow the plants out, push down about 1 1/2 inches in the ground and set 1 foot apart in the row. Pkt. 20 cts., oz. $1, 1/4 lb. $3, lb. $10.

CARROT

Carrots give satisfactory results when sown in any good garden soil, if thoroughly and deeply worked; a sandy loam well-manured is the most desirable. For early crop, sow as early as the ground can be worked and for later crops, in the latitude of New York City, sow up to about June 15. It is best for garden culture to sow in rows 12 to 14 inches apart; cover with 1/2 to 1 inch of soil and be careful to press the soil down firmly over the seeds. As soon as plants appear, use cultivator or wheel-hoe. When of sufficient size thin the plants out to stand 3 to 5 inches between plants. We print full cultural directions on every bag.

Chantenay Half-Long. This is a medium-early, half-long, smooth, blunt-rooted sort of deep orange-red color and delicate flavor. It has a small top and is well shaped for frame use, allowing of close planting. The root is shaped broad at the shoulder, tapering toward the base and running suddenly to a point, and is somewhat shorter than Danvers Half-Long. Pkt. 5 cts., oz. 20 cts., 1/4 lb. 60 cts., lb. $2.

DANVERS HALF-LONG. This is an exceptionally fine Carrot for garden use. It is slightly longer than Chantenay, tapering to a blunt point. The root is smooth and handsome, of an orange-red color, with sweet, crisp flesh. For main planting it has no superior and is more generally used for table Carrots than any other variety. Pkt. 5 cts., oz. 20 cts., 1/4 lb. 60 cts., lb. $2.

Early Short-Top Forcing, Noll's. A frame Carrot having a short top, permitting close planting and excellent for the table. Root cylindrical, half-long, orange, smooth, and blunt. Pkt. 5 cts., oz. 20 cts., 1/4 lb. 70 cts., lb. $2.25.

Half-Long Luc. This comparatively new variety is very popular for fancy table use. It is half-long, stump-rooted, and free from core. The flesh is of beautiful orange color, tender, sweet, and delicious. Pkt. 5 cts., oz. 20 cts., 1/4 lb. 60 cts., lb. $2.

Long Orange, or Surrey. This long variety, of very good quality, is used both for field and garden culture in deep soils. The root grows 1 foot long, tapering from a 3-inch shoulder to a point. The leaves are strong and numerous. The flesh is of a deep orange color. Pkt. 5 cts., oz. 20 cts., 1/4 lb. 50 cts., lb. $1.75.

Nantes Half-Long Stump-rooted. Adapted for frame use. The smooth root is cylindrical with blunted end and of a bright orange color. The flesh is red, sweet, mild, and almost coreless. Top is small and short. A very attractive sort. Pkt. 5 cts., oz. 20 cts., 1/4 lb. 60 cts., lb. $2.

New York Market. The root is half-long, tapering to a blunt point, and a little smaller than Danvers. The flesh is of a deep orange-red color. This is a very productive Carrot of fine quality. Pkt. 5 cts., oz. 20 cts., 1/4 lb. 60 cts., lb. $2.

Oxheart, or Guerande. A stump-rooted sort with light, scant foliage. Root is about 5 inches long and 3 to 4 inches in diameter, bright orange-red, tender, and sweet. When grown in substantial soil, this is one of the finest Carrots for the table. Pkt. 5 cts., oz. 20 cts., 1/4 lb. 60 cts., lb. $2.

RUBICON HALF-LONG. This excellent new and distinct American strain is excellent for forcing under glass or for growing outside at any season of the year for table use. The root is half-long or stump-rooted, of a rich orange-red color, smooth and with a short top. Pkt. 5 cts., oz. 20 cts., 1/4 lb. 70 cts., lb. $2.25.

White Belgian. This is a popular variety for stock-feeding purposes. The roots grow one-quarter above ground, averaging 16 inches in length, and are quite thick. The flesh is white and coarse and is desirable only for stock feeding. Pkt. 5 cts., oz. 15 cts., 1/4 lb. 40 cts., lb. $1.25.
CAULIFLOWER

One ounce will produce 1,000 plants

To grow Cauliflower successfully, the soil should be a rich well-drained heavy loam. It is best to sow the early varieties in hotbeds in February, and when plants are large enough to handle, harden them off by transplanting to coldframes 2 or 3 inches apart each way. When all danger of hard frosts is past, set out in the open ground in rows 2½ feet apart and 1½ feet apart in the row. Another excellent method is to sow the seed from the 10th to the 20th of September, and in 4 or 5 weeks transplant the seedlings to the coldframe for the winter. Then harden them off and set the plants out in the open field from March 15 to April 15, as described above. The late varieties may be sown from May to June and plants set out in July. We print full cultural directions on every bag.

Dry-Weather, or Danish Giant. This is a drought-resistant variety which succeeds where many others fail, being especially adapted to resisting unfavorable seasons and dry weather, the large-leaved foliage giving the flower splendid protection. It will not do well when neglected or when grown on poor soil, but when given good cultivation, will produce pure white, large, compact heads which grow nearly as large as the Snowball strain but mature later. If you have had poor success with Cauliflower in the past, we suggest that you try this variety; as it is harder and we believe will give better satisfaction where conditions are not ideal. Pkt. 15 cts., ½ oz. $1.10, oz. $3, ¼ lb. $11.

Early Snowball. This is primarily an extra-early variety but is of such excellence that it has become popular for later use as well, having displaced many of the large late sorts for fall use. It is decidedly of finer quality and produces far superior snow-white heads averaging 8 to 10 inches in diameter. It is small-leaved and grown extensively under glass during winter and spring, being of dwarf growth. Its close-growing, compact habit enables the homegardener to plant one-third more on the same space of ground than can be done with other varieties. With the exception of Noll's Superior Extra-Early, this is the best Cauliflower in existence. Pkt. 15 cts., ¼ oz. $1.10, oz. $3, ¼ lb. $12.

Extra-Early Dwarf Erfurt. In this variety we have one of the best for very early outside culture or for forcing, as it heads with great certainty under good conditions. The growth is dwarf and compact, with short, broad leaves and short stems, and producing fine, large, clean white heads of even surface and attractive appearance. Our strain produces heads without any leaves growing between the sections. The quality is very fine but the size and appearance of the heads is slightly inferior to the Snowball and Superior Extra-Early strains. Pkt. 15 cts., ½ oz. $1, oz. $3, ¼ lb. $11.

NOLL'S SUPERIOR EXTRA-EARLY. For forcing under glass or for extreme early outside growing, our stock of this wonderful strain is unequalled. This is the first Cauliflower to flower and produces beautiful large, white, smooth-surfaced heads such as are required for fancy table use. It is dwarf and compact in growth, with short leaves but ample to protect the flower. The heads are deep and very solid and of the very finest quality. As we make Cauliflower a specialty, we feel confident that this is the strain which will please you the most, considering its earliness, uniformity, size, and productiveness. In all our experience we have never found a strain which will produce a Cauliflower of finer appearance than this selected strain which we have named Superior Extra-Early. Pkt. 20 cts., ¼ oz. $1.50, oz. $5, ¼ lb. $18.

Noll's Superior Extra-Early Cauliflower

COLLARDS

One ounce will sow 200 feet of row

Sow in rich ground in rows which are 2 to 2½ feet apart. Cover firmly with ½ inch of soil. When about 4 inches high, thin to 2 feet apart in the row, or transplant from seed beds to open ground 2 feet apart each way. In the latitude of New York City sow seed from June through August and cultivate like cabbage. Best for use after being touched by frost. We print full cultural directions.

Georgia. This is really a tall loose-leaved form of cabbage. Grows 2 to 3 feet high, forming at the top of its rather long stem a cluster of undulated leaves which are tender and delicate when cooked. Pkt. 5 cts., oz. 10 cts., ½ lb. 30 cts., lb. $1.

CORN SALAD

Two or three ounces for 100 feet of row

A good rich soil is best. For spring crop sow as early as frost is out of ground; for later, sow in the latitude of New York City, during August and September, in rows 1 foot apart. Cover with ½ inch of fine pulverized soil which should be pressed firmly to insure good germination. Thin plants to 6 inches apart in the row. Ready in eight weeks from sowing. Corn Salad leaves are a good substitute for some parts of spring lettuce. We print full cultural directions on every bag.

Broad Leaf. Hardly little plants, forming rosettes of tender, edible leaves and used as a substitute for lettuce. Grown for late fall, winter, and spring use. Pkt. 5 cts., oz. 10 cts., ½ lb. 25 cts., lb. 70 cts.
SUGAR or SWEET CORN

One quart will sow about 200 hills

Average garden soil is very satisfactory. Sow after the ground becomes warm; first planting may generally be made about May 15 in the latitude of New York City. Continue successive plantings every two or three weeks until the end of July. Plant 1 inch deep in hills, 3 feet apart each way, dropping six kernels to each hill. Thin to three plants per hill. With large varieties make hills 4 feet apart each way. Hoe frequently, keeping free from weeds, and draw soil up to the stem; break off all side shoots.

FIRST-EARLY VARIETIES
Ready for use in 60 to 65 days

DAYBREAK. The first good extra-early Sweet Corn to come in; slightly earlier than Golden Bantam but not as sweet, although it has an excellent quality and flavor. Stalks average 4 feet in height and the well-filled white ears average 7 inches in length. They resemble in size and shape, are 8-rowed, and grow close to the stalk. We urge every private gardener who is looking for the best varieties to try this one. Pkt. 10 cts., pt. 50 cts., qt. 55 cts., pk. $4, bus. $15.

Early Minnesota. This is an old standby, considered by many to be the best of the old extra-earlies. It is a dwarf variety producing ears of a small size but of very fine flavor. Pkt. 10 cts., pt. 30 cts., qt. 50 cts., pk. $1, bus. $1.

GOLDEN BANTAM. An exceptional extra-early and extra-hardy sweet Corn of delightful, sweet, rich flavor. It is dwarf in growth, averaging only 4 feet in height, with two to three small creamy yellow ears, 5 to 6 inches in length, to the stalk. Dry seed is quite full and solid, permitting of the earliest planting. This Corn we specially recommend for the home-garden. See illustration top page 11. Pkt. 10 cts., pt. 35 cts., qt. 55 cts., pk. $4, bus. $15.

NOLL’S NEW EARLY. If you will take size, attractive appearance, and earliness into consideration, we think you will agree with us in saying that this variety, Noll’s New Early Sweet Corn, is a winner. We introduced this in 1912 and home-gardeners have “discovered” it very rapidly. It grows an exceptionally large, well-formed, white ear on 5- to 6-foot stalks. A very good yielder, averaging two ears to the stalk. Matures just after White Cory but this variety is very slightly greater than the superior ears and better quality. We know it will please and we advise you to try it out and convince yourself. Pkt. 10 cts., pt. 35 cts., qt. 55 cts., pk. $4, bus. $15.

Premeo. This is a very early standard variety of good quality, growing large, white, even-rowed ears on a stalk of medium height. Pkt. 10 cts., pt. 30 cts., qt. 50 cts., pk. $3.25, bus. $12.

Red-Cob Cory. This is one of the favorite extra-early sorts. The stalks are very dwarf, often producing two ears to the stalk. Generally matures in about sixty-five days from planting. The ears are of good quality. Pkt. 10 cts., pt. 30 cts., qt. 50 cts., pk. $3, bus. $11.

White-Cob Cory. One of the most popular varieties for first-early crop. The 6- to 7-inch ears are well filled with 12 rows of pearly white, large grains. Our strain of this is extremely uniform in both size of ears and height of stalks; we select it that way. Stalks grow 4½ feet high, each generally bearing two large, finely shaped ears. The size and beauty of this variety make it a fine Corn for home use. Pkt. 10 cts., pt. 30 cts., qt. 50 cts., pk. $3.50, bus. $13.

MEDIUM-EARLY VARIETIES
Ready for use in 70 to 75 days

Black Mexican. For home use we consider this one of the best second-early sorts where tenderness and sweetness are the qualities most desired. The stalks grow about 6½ feet high, producing ears usually 8 inches long and 8-rowed. The dry grain is dark bluish black. This Corn on the cob is also bluish black but, if used young, this Corn cooks remarkably white. Pkt. 10 cts., pt. 30 cts., qt. 50 cts., pk. $3.50, bus. $13.

Early Champion. A second-early Corn of exceptional merit and one of the best sorts to succeed the first-early varieties. Produces twelve round white ears of good size, maturing six days later than White-Cob Cory. The quality is fine and it is a good seller. Pkt. 10 cts., pt. 30 cts., qt. 50 cts., pk. $3.25, bus. $12.

Early Evergreen. This excellent variety matures about ten days earlier than Stowell’s Evergreen. Stalks grow 6½ to 7 feet high, bearing 6½ to 7-inch ears, with 14 to 18 more or less irregular rows of deep set white kernels. We specially recommend this for the northern sections, as it matures in about seventy days. Pkt. 10 cts., pt. 35 cts., qt. 55 cts., pk. $4, bus. $15.

Early Mammoth. A large-eared, 12-rowed variety of good quality. It has very deep-grained ears, well filled at both tip and butt, and of good appearance. Pkt. 10 cts., pt. 30 cts., qt. 50 cts., pk. $3.25, bus. $12.

Kendel’s Early Giant. This is one of the largest of the medium-early Sweet Corns and is very prolific. The stalks grow about 5½ feet high, producing very sweet, tender, large-grained ears, 8 to 9 inches long and 12-rowed. Pkt. 10 cts., pt. 30 cts., qt. 50 cts., pk. $3.25, bus. $12.

Metropolitan. This seventy-day white variety forms sturdy uniform stalks about 5½ feet high, growing easily. The ears are 10- to 12-rowed, 9 inches long, well filled with large grains of excellent quality, and with a liberal husk, which insures a fresh condition on reaching the table. Pkt. 10 cts., pt. 30 cts., qt. 50 cts., pk. $3.25, bus. $12.
LATE SUGAR or SWEET CORN
Ready for use in 80 to 85 days

Country Gentleman. This extremely popular variety has a small white cob densely covered with irregular rows of very long, slender, white "shoepeg" grain. The ears are 7 to 8 inches long, produced on a 6½- to 7-foot stalk. Many stalks yield three ears each. We consider it one of the best flavored Sweet Corns for the private garden. It has become very popular in the home-gardens, and if you are not already acquainted with this variety, we certainly urge you to try it this year. Pkt. 10 cts., pt. 30 cts., qt. 55 cts., pk. $4, bus. $15.

Late Mammoth. Produces the largest ears of any Sweet Corn, sometimes reaching 12 inches in length. They are 16- to 18-rowed, sweet, tender, and delicious. Stalks grow about 8 feet high. Pkt. 10 cts., pt. 30 cts., qt. 55 cts., pk. $4, bus. $15.

Long Island Beauty. One of the finest late Sweet Corns ever produced, being a cross between Evergreen and Late Mammoth. About six days earlier than Stowell's Evergreen, and grows large, well-filled ears of very excellent quality and is very productive. The husk is a very dark green. Pkt. 10 cts., pt. 30 cts., qt. 55 cts., pk. $4, bus. $15.

MOONARCHIE. A late Sweet Corn of very exceptional merit. Is ready about the same time as Stowell's Evergreen and is a fine yielder, producing large well-filled white ears of very attractive appearance. Has become very popular. Pkt. 10 cts., pt. 30 cts., qt. 55 cts., pk. $4, bus. $15.

CHICORY

Large-Rooted, or Coffee. The soil should be light and rich. Sow seed about May 1 in rows 2 to 2½ feet apart. Cover firmly with ¼ inch of soil. Thin to 6 inches apart and cultivate well. The roots will be ready to dig in the fall and when dried are used as an adulterant for coffee. Plant grows large leaves and thick stalks. The young leaves sprouted from one-year-old roots are excellent as a salad. We print full cultural directions on every bag. Pkt. 5 cts., oz. 25 cts., lb. 75 cts., lb. $2.50.

WITLOOF, or FRENCH ENDIVE. The seed should be sown in the open ground in a light and moderately rich soil not later than June, in rows 12 to 18 inches apart, thinning out plants to 3 inches apart. The plant forms long parsnip-shaped roots, and should be lifted in the fall, cutting off the leaves ½ inches from the neck, and then stored in a cool place until wanted for forcing. Cut the bottom of the roots so that they are of one length. The roots should be planted in a trench 16 to 18 inches deep and placed upright about 1½ to 2 inches apart, so that the neck of the root is about 9 inches below the level of the trench. The roots should be covered with a light soil, muck, or peat. If quicker growth is desired, use fresh horse-manure about 1 foot deep for bottom heat, cover manure with 8 inches of soil, then plant roots. It requires about a month to force the roots, and the heads are cut off with a small portion of the root-neck attached. It is remarkable for the width of its leaves and the great size of its ribs and stalks. The roots, when grown in trenches as above, produce the young leaves known as French Endive, which is becoming very popular as a winter salad. We print full cultural directions on every bag. Pkt. 5 cts., oz. 30 cts., lb. 85 cts., lb. $3.

CRESS (Pepper Grass)

Sow garden Cress in April, in the latitude of New York, in the open ground every ten days for a succession, in a rich, well-prepared soil thinly in rows 12 to 16 inches apart, covering firmly with ¼ inch of fine soil. Thin plants to 4 to 6 inches apart in the row. Water Cress may be broadcasted on the surface of wet soil near running water. It may be started in tubs submerged in running water. Plants need no subsequent culture.


Water. A distinct Cress, thriving best in moist places, in brooks or in tubs under water. Pkt. 10 cts., oz. 50 cts., lb. $1.50, lb. $5.
Success with Celery requires a very rich soil and plenty of water. For the latitude of New York City, sow the seed in shallow boxes indoors from February 20 to April 20, or in the open ground as soon as the ground is fit to work. Just cover with finely pulverized soil and firm down over seed. Temperature should not exceed 60 degrees Fahr., and bed should be kept moist. When plants are 2 inches high, transplant to stand 3 inches apart each way. When 4 inches high, shear off tops to make plants stocky. When 5 inches high (in June or July) cut off lower half of roots and set plants out 6 inches apart in rows 3 feet apart. Do not fail to press soil firmly around each plant. Keep free from weeds. About August 15 plants should be handled, i.e., the top leaves should be gathered together and earth should be drawn about each plant up to one-third of its height, allowing no soil to fall between the stalks. Pack firmly to keep leaves from spreading. Repeat this process every few days and finally spade the soil from between the rows, banking it up to the top on each side of the row so that only the top leaves are visible. We print full cultural directions on every bag.

**GIANT PASCAL.** Vigorous, compact, productive variety; one of the best sorts for fall and winter use. Leaves upright, short, dark green. Stalks short, broad, very thick, crisp, and tender, blanching readily to a yellowish white color; a very good keeper. Pkt. 5 cts., oz. 20 cts., 1 lb. $1.25

**GOLDEN SELF-BLANCHING.** Our stock of this famous variety, now considered a standard Celery for early use, is unsurpassed and we have such confidence in it that we claim it will compare to your liking and benefit with any other stock on the market. The plants produced by our seed are compact and stocky, with yellowish green foliage turning to golden yellow, with a slight earthing up. Stalks are very thick, broad, solid, and crisp, of the finest nutty flavor and natural ivory-white color. This is a big-heard strain with no hollow stalks, extremely even, and free from green top. The seed that we offer is grown for us by the most careful Celery specialist in the world and is tested by us in our proving-grounds. Our sales are heavy and our stock is in strong demand. Are you particular about your celery? You can't do better than such. We strongly advise you to investigate our stock and send us your order. We supply yearly the leading, most progressive, and most particular celery-growers in all the large Celery sections in the United States. Pkt. 15 cts., oz. $1.75, 1 lb. $6.

**MAGNIFICENT NOLL'S.** One of the best late green Celeries to be had, and is a long-keeping large ribbed variety with very large hearts of a fine golden yellow when blanched. Grows a medium-height stalk but heavy, solid, and crisp. An excellent green Celery for the table. Pkt. 15 cts., oz. 90 cts., 1 lb. $2.75, 16 lb. $9.

**NEWARK MARKET.** This green easy-blanching strain was first introduced by us four years ago, and at the time of first cataloguing it, our seed stocks were very limited. We knew at that time that we had developed a strain of easy-blanching green Celery which would startle the up-to-date Celery grower, and this has been amply proved by the enormous demand for our stock which has since developed. The plants produced by our seed are strong and stocky with green foliage showing a slight tinge of yellow in the inner leaves. The stalks are very large and heavy; broad, solid, crisp, and of a most excellent nut-like flavor and color. The heads are exceptionally large and firm and of a creamy yellow color. This strain blanches very quickly and easily and grows immensely tall stalks. It is far more vigorous than the Golden Self-Blanching or Paris Golden Yellow strain, and is absolutely free from the Celery "sickness" which has become so prevalent in all the Celery sections of the country. The Newark Market Celery is displacing the Golden Self-Blanching strain everywhere that Celery is grown, owing to its disease- and sickness-resisting qualities. It has a most attractive

**NEWARK MARKET, continued**

appearance, largely on account of the large, full-colored heart. This strain keeps better in the trench than any other and is the only green variety that will Blanch up in cold storage, because it is so full-hearted. Pkt. 15 cts., oz. $2, 1 lb. $7.

**White Plume Perfected.** An early distinct variety, with a silver-white color in its inner leaves, stalks, and heart. Crisp and of excellent quality. It requires little to blanch it, making attractive white stalks and leaves. Our stock is carefully selected. Pkt. 10 cts., oz. 50 cts., 1 lb. $1.50, 16 lb. $5.

**WINTER KING.** A very popular winter Celery and one of the very best keepers. It has been taken out in good condition as late as April or May. Produces very heavy stalk, large, hardy, and of a sweet flavor. Pkt. 15 cts., oz. 90 cts., 1 lb. $2.75, 16 lb. $9.

**CELERIAC (Turnip-Rooted Celery)**

One-fourth of an ounce will sow 100 feet of row

Use a rich, moist soil, and in the latitude of New York City sow about April 20, covering the seed with about 1/4 inch of soil, firming it down well. Thin out to about 1 inch apart in the row, and when large enough, transplant into rows 2 feet apart and 5 inches apart in the row. Give thorough cultivation; after the roots have attained a diameter of 2 inches, they are fit for use. We print full cultural directions on every bag.

**LARGE SMOOTH DWARF MOONARCHIE.** This strain is superior in many respects to the older varieties as it is fine-grained, free from the side roots which are usually found on most varieties, has a short top, and produces a large, smooth, almost spherical root of fine quality. We recommend this variety as stronger and larger than the Prague. Pkt. 10 cts., oz. 55 cts., 1 lb. $1.65, 16 lb. $5.00.

**Large Smooth Prague.** A large smooth-skinned, turnip-shaped variety of good quality, very desirable for main planting, and is used largely as a flavoring or eaten as a salad. This is the old standard variety and comes second to our improved Moonarchie strain. Pkt. 10 cts., oz. 50 cts., 1 lb. $1.20, 16 lb. $5.
The "Forbes" Prolific White Spine Cucumber

A warm, sandy loam, enriched with well-rotted manure, is best for early use; in the latitude of New York sow in hotbeds about April 1. We suggest starting in small pots to facilitate transplanting; cover the seed firmly with 1 inch of finely pulverized soil. When of sufficient size, transplant to hills 4 to 5 feet apart each way. It is well, beforehand, to mix one shovelful of well-rotted manure with the soil of each hill. For later use, at the approach of settled warm weather, sow in hills spaced as above, dropping ten or twelve seeds in each hill and cover firmly. For a succession, sow every ten or twelve days after danger from insect attack is past. Thin to three to four plants to the hill. For pickling varieties sow from June 15 to July 10. We advise that all full size Cucumbers should be picked, whether required or not; if they are left on the vines, they will diminish the productiveness.

Arlington White Spine, Improved. This excellent variety produces Cucumbers of a very regular outline, uniform in size, and averaging 7 to 8 inches in length. Young fruits are dark green and when mature are bright deep green, pointed at each end. Flesh is white, crisp, and solid, with comparatively few seeds; a heavy yielder. Pkt. 5 cts., oz. 10 cts., 1/2 lb. 30 cts., lb. $1.

Cool and Crisp. Extra-early and prolific, bearing the whole season. Long, straight, tapering at both ends; dark green. Fine for slicing and a good pickler. Pkt. 5 cts., oz. 10 cts., 1/2 lb. 30 cts., lb. $1.

Davis Perfect. Our stock of this excellent early Cucumber is a delightful surprise to those who use it, as compared with other stocks offered. The long, even fruits are of comparatively small diameter and of an intensely dark, rich green color extending almost to the tip. The vines are of strong growth and very prolific. The handsome and regular fruits have a line solid white flesh of a superior quality with very few seeds. They attain an average length of 10 to 12 inches and seem to hold the color and brittleness long after being cut. Excellent for resisting the Cucumber disease, and can be used under glass as well as for growing outdoors. Pkt. 5 cts., oz. 15 cts., 1/2 lb. 40 cts., lb. $1.25.

Early Green Cluster. An early productive variety. Vines hardly and vigorous, bearing fruits in clusters of two or three. They are short, thick, bright green, shaded lighter at blossom end, crisp, and tender. If picked frequently, the vine continues to bear for a long time. Pkt. 5 cts., oz. 10 cts., 1/2 lb. 30 cts., lb. $1.

Evergreen White Spine. This vigorous and productive table variety produces cylindrical dark green fruits 9 to 11 inches long with very white, crisp, tender flesh. Adapted for forcing. Pkt. 5 cts., oz. 10 cts., 1/2 lb. 30 cts., lb. $1.


THE "FORBES" PROLIFIC WHITE SPINE. A very few years ago we stumbled across an improved white spine Cucumber. It was just what we wanted because we knew that it was just what our customers wanted. This stock has been carefully selected and improved under our care until we believe that now we have in the "Forbes" unconditionally the best Cucumber on the market. We can now say that we sell yearly a greater quantity of the "Forbes" Prolific White Spine variety than all other sorts of Cucumbers added together. For vigor of vine, earliness, and uniform size of fruit, heavy cropping from
DANDELION  One ounce will sow 100 feet of row

Use a clean, warm, rich soil. Sow in early spring in rows 18 inches apart, covering firmly with 3/4 inch of fine soil. When a seedling 2 inches high, thin or drop, leaving plant to 10 or 12 inches apart. Cultivate well, keeping clear of weeds, especially through summer. Leaves will be fit to cut the following spring. Leaves are best when blanched. Blanching removes to some extent the bitter taste without impairing the qualities which make them valuable greens. Blanching may be done by covering with leaves or loose litter, or by bordering them over. When blanched, they may be used as substitute for boiled greens, the roots as a substitute for coffee, and the flowers to make wine. Full cultural directions on every bag.

Common, or French. This is the well-known Dandelion, very early and vigorous in growth, producing leaves of bitter flavor used as a salad. Pkt. 10 cts., oz. 40 cts., 1/2 lb. $1.10, lb. $4.

Improved Thick-leaved, or Cabbageing. A distinct variety unsurpassed in thickness of leaf and deep greenness of color. Produces a regular and upright tuft, and making an abundant crop without using much ground. Far superior to the Common variety and blanches almost naturally. Pkt. 10 cts., oz. 60 cts., 1/4 lb. $1.75, lb. $6.

Eggplant  One ounce will produce about 1,000 plants

Any good garden soil will serve, but fertilizing will repay. In the latitude of New York City, start seed in warm greenhouse or hothoth in March or April. As the seed is slow to germinate, press soil firmly when covering. Be careful not to check growth by exposure. When plants are 2 inches high transplant to 3-inch pots. Set out in open ground about June 1, allowing 2 1/2 feet between plants. Hoe frequently, keeping the soil loose and free from weeds. As the season advances it is well to cover soil with a mulch of straw 2 inches deep to preserve the moisture during the hot weather. Eggplant does best in warm weather. We print full cultural directions on every bag.

Black Beauty. We recommend this as the earliest and best of all the large-fruited Eggplants. Our stock produces fruits as large and ten days earlier than the older strain. Very productive, forming a regular, compact, upright tuft, and making an abundant crop without using much ground. Far superior to the Common variety and blanches almost naturally. The bush is well rounded, sturdy, branching freely near the ground. The large fruits are thick, heavy at the base and reducing toward the stem, of a rich lustrous dark purple-black color, over the entire fruit. The stem and calyx are bright green, making a fine contrast and are entirely spineless. The fruits set freely and develop rapidly. Use this for your main planting. Pkt. 10 cts., oz. 60 cts., 1/4 lb. $1.75, lb. $6.


Florida High-Bush. The productive bushes are large and high, usually holding the "eggs" well off the ground. Fruits medium size, pear-shaped, and of a dark purple color. Pkt. 10 cts., oz. 45 cts., 1/4 lb. $1.25, lb. $4.50.

NEW JERSEY IMPROVED. This is a very productive and early strain, and is considered one of the very best in cultivation. The plant is of low branching habit and is quite free from spines, with leaves of a light green shade. The fruits are very large and smooth, heavier at the base and narrowing toward the top end and are of a fine deep purple-black color. We especially recommend this Eggplant to you. Pkt. 10 cts., oz. 55 cts., 1/4 lb. $1.60, lb. $5.50.

New York Improved Spineless. A very excellent standard variety growing strong bushes, which are larger than the Black Beauty. We especially recommend this Eggplant to you. Pkt. 10 cts., oz. 55 cts., 1/4 lb. $1.60, lb. $5.50.

ENDIVE  One ounce will sow 150 feet of row

Any garden soil will do. For an early supply sow, in the latitude of New York City, start seed in warm greenhouse or hothoth in March or April. As it is used mainly in fall months, the main sowings are made in June and July, in rows about 1 1/2 feet apart, covering seed firmly with about 1/2 inch of soil. When the plants are of sufficient size, thin to 1 foot apart in the row. Keep clear of weeds. When nearly fully grown, gather the outer leaves together in conical form and tie the tips together in order to blanch the heart of the plant. Three to six weeks after blanching, the foliage is one of the best salads for fall and winter use; it is also desirable for greens and for flavoring soups and salads. We print full cultural directions on every bag.

Broad-leaved Batavian. Rosette often 16 inches in diameter with broad, twisted, or waved green leaves and thick white midribs. Makes a fine "head" and blanches easily. The most extensively grown variety. Pkt. 5 cts., oz. 20 cts., 1/2 lb. 50 cts., lb. $1.75.

Green Curled Winter. A hardy variety forming a rosette 16 to 18 inches across, with very curly leaves and rosy colored midribs. Fine for an autumn crop. Pkt. 5 cts., oz. 20 cts., 1/2 lb. 50 cts., lb. $1.75.

MAMMOTH BORDEAUX CULLED. This fine variety attains large size, growing 20 inches in diameter. The center grows very full and close. One of the hardest kinds, suitable for summer and autumn. Pkt. 5 cts., oz. 20 cts., 1/2 lb. 50 cts., lb. $1.75.

HORSE-RADISH ROOTS

The only practical way to grow Horse-Radish is by using the roots. Mark off the rows 2 1/2 feet apart, in rich moist well-prepared ground, and set the pieces of roots 18 inches apart in the rows vertically, the small ends down and the tops 1 to 3 inches below the surface. Cultivate thoroughly until the tops cover the ground, keeping free from weeds. We print full cultural directions on every bag.

MALINER KREN, or BOHEMIAN. A variety from Bohemia, far superior to the standard variety and producing very large, pure white roots. Strong sets, 20 cts. for 10, $1.25 per 100, $8 per 1,000.

Ordinary. The standard sort; very popular. Roots produced in New Jersey. Strong sets, 15 cts. for 10, 65 cts. per 100, $5.50 per 1,000.

KOHLRABI  One ounce will sow 200 feet of row

Use preferably a rich light soil. In the latitude of New York City, sow in May or June in drills 1 1/2 feet apart, covering firmly with 1 1/2 inch of soil. When plants are well established, thin to 8 inches apart in the row. Keeps weeds down. Plantings at intervals of ten days will give a succession until hot weather, when they fail to grow well. Kohlrabi may also be sown in hotbeds about February 15 and transplanted as above when 3 inches high. Plantings may be made the latter part of July for full use. They should be used when the bulb above ground is 2 or 3 inches in diameter, as they become tough when old. Cook same as turnip. We print full cultural directions on every bag.


Large White Vienna. Large; quick-growing; greenish white skin and tender white flesh. Pkt. 5 cts., oz. 25 cts., 1/4 lb. 75 cts., lb. $2.50.

NEW SMOOTH WHITE VIENNA, SHORT-LEAVED. A handsome, very early variety with few short leaves; tender; better in 8 to 14 days. Smooth white bulbs of medium size and fine quality, ready for table two and a half months after sowing. A very fine sort for forcing; can be planted closely and is by far the most popular with private gardeners. Pkt. 5 cts., oz. 25 cts., 1/4 lb. 80 cts., lb. $2.75.
KALE, or BORECIL

One ounce will sow 200 feet of row

We advise using a rich light soil. In the latitude of New York City, for a late fall or early winter crop, sow early in June. For spring crop, sow in September and cover with straw and hay; sow in drills 1 1/2 to 2 feet apart, so that plants may be cultivated when small. Cover seed firmly with 1/2 inch of soil. Thin or transplant plants to 1 1/2 or 2 feet apart. This will ensure large heads and good quality. Very early, tender Kales are desired, transplant when 6 inches high, setting 4 inches apart in trenches about 2 feet apart, and gradually earth up to the top of the row when cultivating. Full cultural directions on every bag.

Early Blue Curled Dwarf Siberian. Vigorous and very hardy spreading habit with bluish green foliage, curled and cramped at the edges. Will stand longer than any other sort before running to seed. Pkt. 5 cts., oz. 10 cts., 1/4 lb. 25 cts., lb. 75 cts.

DWARF GREEN CURLED SCOTCH. This is one of the best Kales for spring sowing in the North and covering. When sown late, transplant to coldframes a few inches apart each way. When well hardened, transplant to open ground 8 inches apart in rows 12 inches apart. The simplest method, however, is to sow the seed thinly in rows 1 foot apart, early in the spring as soon as the ground is workable. Cover firmly with 1/2 to 3/4 inch of soil. Continue sowing two weeks apart to get a succession throughout the season. Thin plants in rows first to 4 inches apart and as they begin to crowd, thin out and use thin heading varieties 10 to 12 inches apart in the row. We print full cultural directions on every bag.

LEEK

One ounce will sow 100 feet of row

A deep, rich light soil is best. Sow in early spring, about April 1, in the latitude of New York City, in rows 12 inches apart and 1 inch deep. Cover firmly. Thin plants to 6 inches apart in the row and draw the soil about them when cultivating. If very white, tender Leeks are desired, transplant when 6 inches high, setting 4 inches apart in trenches about 2 feet apart, and gradually earth up to the top of the row when cultivating. Full cultural directions on every bag.

American Flag. A very fine, early, productive variety; a strong quick grower of mild flavor. The stems are 2 inches in diameter and blanch 10 inches from the root. An excellent sort for fall and early winter sowing. Pkt. 5 cts., oz. 20 cts., 1/4 lb. 70 cts., lb. $2.25.

GIANT ITALIAN. Desirable for private use, being very hardy, long-keeping and equally as good for winter use when vegetables are scarce, as for a fall crop. Stem short, 6 to 8 inches long, but very thick, often 3 inches in diameter; leaves dark green. Pkt. 5 cts., oz. 25 cts., 1/4 lb. 75 cts., lb. $2.50.

Musselburgh. Large-growing, full-leaved with large thick stems 6 to 8 inches long. A good winter Leek. Pkt. 5 cts., oz. 20 cts., 1/4 lb. 70 cts., lb. $2.25.

LETTUCE

One ounce will produce from 2,000 to 3,000 plants

A thoroughly worked warm garden soil will give good results, but soil should preferably be enriched with well-rotted manure or garden fertilizer. Sow seed in well-protected frames in February and in hotbeds in March, covering lightly but not too deeply. When the seedlings are about 1 inch high, transplant to coldframes a few inches apart each way. When well hardened, transplant to open ground 8 inches apart in rows 12 inches apart. The simplest method, however, is to sow the seed thinly in rows 1 foot apart, early in the spring as soon as the ground is workable. Cover firmly with 1/2 to 3/4 inch of soil. Continue sowing two weeks apart to get a succession throughout the season. Thin plants in rows first to 4 inches apart and as they begin to crowd, thin out and use thin heading varieties 10 to 12 inches apart in the row. We print full cultural directions on every bag.

HEADING VARIETIES

BIG BOSTON. (White-seeded.) This fine variety is extremely popular for outdoor culture in the spring and fall, and for coldframe forcing. The large flattened heads are compact, solid, and crisp. The plants are large, very hardy, and vigorous. The broad leaves are corrugated smoothly, wound in at the edge, thin and crisp. They are bright, light green in color, the head slightly tinged with reddish brown. The quality of this Lettuce is excellent, and we recommend it as one of the best for home-garden Lettuces. Pkt. 5 cts., oz. 20 cts., 1/4 lb. 60 cts., lb. $2.

Big Boston. (Black-seeded.) This variety closely resembles the White-seeded Big Boston but produces larger heads and is an exceptional Lettuce for spring and autumn; we do not recommend either Big Boston as a summer Lettuce. Pkt. 5 cts., oz. 25 cts., 1/4 lb. 75 cts., lb. $2.50.

California Cream. Butter. A hardy, reliable, heat-resistant sort, producing large solid heads, with glossy deep green leaves, the outer ones being slightly blotted with brown. When cut, the head reveals a large, solid, rich, light yellow, buttery heart. Pkt. 5 cts., oz. 15 cts., 1/4 lb. 50 cts., lb. $1.50.

Champion of All, NOLL’S. Without a doubt the finest and largest head Lettuce for the gardener who looks for the best. The leaves are fine, thin, broad, and smooth, of a beautiful light green, forming the largest head we know of, measuring over 12 inches across. The compact heads, when cut, reveal a very solid, beautiful, pale greenish white and pale yellow heart of remarkably fine flavor, tenderness, and crispness. Our stock of this Lettuce has clearly shown its superior sure-heading qualities over the other varieties of its class. This Lettuce was introduced this lettuce in 1910, and have been gradually improving our stock since then, where it was possible to do so. It has also proved very much in demand as a large forcing sort. We recommend that you use this strain for your spring and fall planting. Pkt. 5 cts., oz. 25 cts., 1/4 lb. 75 cts., lb. $2.50.

Deacon. This is an excellent summer variety and is used largely for coldframes. The heads are of large size, very firm, and compact, with few outer leaves.
HEADING LETTUCE, continued

Iceberg. A sure- and hard-heading variety, the medium-sized plants, with strong midrib, producing large, conical-shaped heads. Outer leaves light green, curly, and finely fringed. Heats a beautiful white, crisp, buttery, early. Use this sort during the hot summer months. Fine appearance and mild flavor. Pkt. 5 cts., oz. 15 cts., ½ lb. 50 cts., lb. $1.50.

King of the Garden. A fine, fancy Lettuce for spring and fall, as it will not stand extremely hot weather. Will give the best results in spring, if sown in sash and transplanted out 15 by 15 inches. The large, light green, smooth-leaved heads are quite firm and of fine quality. Very tender and will not stand much handling. Pkt. 5 cts., oz. 20 cts., ½ lb. 70 cts., lb. $2.25.

Mammoth Black-seeded Butter. This sort is a large, compact, cabbage-heading sort with thick, yellowish green, smooth leaves; heart beautifully blanched, crisp, tender and buttery. It succeeds well at any season excepting the hottest weather. Very large, grown. Pkt. 5 cts., oz. 15 cts., ½ lb. 80 cts., lb. $1.50.

May King. This handsome, extremely early, compact-heading Lettuce is very fine for outdoor use, the heads maturing sooner than those of the other varieties. Heads medium-sized and of excellent quality. Outer leaves light yellowish green, tinged with reddish brown when mature. Heats blanch to a rich golden yellow, tender and buttery. Very desirable for forcing. Pkt. 5 cts., oz. 20 cts., ½ lb. 60 cts., lb. $2.

Mignonette. A small, sturdy, all-head Lettuce; outside leaves tinged russet; hearts yellow, tender, and crisp. Very early, hardly, long-standing, and fine for late fall crop in coldframes. Pkt. 5 cts., oz. 15 cts., ½ lb. 40 cts., lb. $1.25.

New York. We recommend this as one of the best summer Lettuces, being a large, vigorous, and deep-rooting variety. It resists the hot weather, is very slow to run to seed, and is a sure header under the most trying conditions. The outer leaves are of a green color, the inner ones blanch to a creamy white, crisp, tender, delicious, and sweet. The large heads often measure 15 inches across. Pkt. 5 cts., oz. 20 cts., ½ lb. 60 cts., lb. $2.

Philadelphia Dutch Butter. A medium-sized heading butter Lettuce, grown extensively under sash for an early spring crop. Also used for early outdoor crop; for this we advise transplanting from frames. The bottom leaves are slightly speckled with brown spots. Pkt. 5 cts., oz. 25 cts., ½ lb. 75 cts., lb. $2.50.

Salamander. A variety which stands the hot weather remarkably well, but as a hot-weather Lettuce it cannot beat Noll's Twenty-First Century. Salamander forms a large, compact, light green plant; the broad, thick, somewhat crumpled and closely overlapping leaves blanching the inner ones to perfection. A very fine outdoor Lettuce. Pkt. 5 cts., oz. 15 cts., ½ lb. 50 cts., lb. $1.50.

St. Louis Market. A medium-large, firm-heading variety which stands the hot summer months remarkably well. Used largely throughout the Middle West. Pkt. 5 cts., oz. 15 cts., ½ lb. 50 cts., lb. $1.50.

TWENTIETH CENTURY, NOLL'S. If you have been looking for the best, large-heading summer or hot-weather-resisting Lettuce on the market, stop here and try out this one. We know that we can make you enthusiastic about it, along with the hundreds of other private gardeners who have stopped using the old standard, hot-weather sorts and are now using exclusively Noll's Twentieth Century. This stock produces large heads, the reliable header, and very slow to run to seed. The outside leaves are broad, smooth, and of a delightfully fresh, light green color. The demand for this remarkable Lettuce has largely exceeded our anticipations. Pkt. 5 cts., oz. 20 cts., ½ lb. 70 cts., lb. $2.25.

UNRIVALED, WHITE-SEeded. An improvement on the White-seeded Big Boston, forming very solid, large, pale green heads without the reddish brown tinge, and of excellent quality. Forms a head in six weeks, at least ten days earlier than the regular Big Boston. May be sown all through the year and stands heat remarkably well. Is crisp, tender, and solid. Pkt. 5 cts., oz. 30 cts., ½ lb. 85 cts., lb. $3.

Unrivalled Lettuce

Wayahead. Shows a combination of extreme earliness, handsome appearance, fine quality, and sureness of heading. The oval heads are large, with light green outer leaves, the heart being blanched to a rich buttery yellow. Excellent for both coldframes in the early spring, and for open ground throughout the season. Pkt. 5 cts., oz. 25 cts., ½ lb. 75 cts., lb. $2.50.

LOOSE-LEAVED VARIETIES

Black-seeded Simpson. A very large, clustering sort of attractive light yellowish green; the leaves are ruffled and blistered and of surprising tenderness. Also used for under glass or in frames. Pkt. 5 cts., oz. 15 cts., ½ lb. 50 cts., lb. $1.50.

Early Cleft Simpson. Forms a compact mass of yellowish green, curly leaves; earlier than Head Lettuces; grown in coldframes and open ground. Pkt. 5 cts., oz. 15 cts., ½ lb. 50 cts., lb. $1.50.

Early Picee Head. Leaves finely curled and crimped, bright green tinged with brownish red, crisp and sweet. Pkt. 5 cts., oz. 15 cts., ½ lb. 50 cts., lb. $1.50.

Grand Rapids. Our stock of this variety is selected for uniformity and quality. This sort is the best and most popular loose-leaved Lettuce, being of quick growth, fine for greenhouse forcing and hardy. The plant is upright and carried well above the soil and is little liable to rot and rust. It forms loose clusters of large, thin, bright green leaves, savoyed and finely crimped at the edges. This is a line keeper, as the leaves do not wither quickly after cutting and remain in condition several days. Our seed of this splendid Lettuce pleases the most particular. Pkt. 5 cts., oz. 20 cts., ½ lb. 50 cts., lb. $1.75.

ROMAINE or COS LETTUCE

Trianon. The leader of this class of Lettuces; so we list no other. Head tall and very thick, blunt at top. Leaves are very light green, crimped, broad-ribbed, and of a long narrow spoon-shape. Easily blanched. Several days earlier than any other Cos. Pkt. 5 cts., oz. 20 cts., ½ lb. 50 cts., lb. $1.75.
MUSHROOM SPAWN
One brick will spawn an area of 8 or 9 square feet

As we could give only a brief description of the cultural directions for Mushroom Spawn in our catalogue, owing to limited space, we shall be glad to send you a copy of our "Mushroom Culture," if you are at all interested. Our leaflet describes in detail the conditions and care which are necessary successfully to grow a Mushroom crop. This interesting hobby is being taken up more each year by the home-gardener.

Pure Culture, American. It has been found possible to secure Mushroom Spawn from individual specimens, applying the same principles as used in the selection of plants. Our American Pure Culture Spawn is grown from spores taken from creamy white specimens of perfect form and mammoth size and it may be depended upon to produce a similar crop. Brick, 25 cts.; 5 bricks, $1; 10 bricks, $1.75; 100 bricks, $16.

MUSTARD One ounce will sow 75 feet of row

A good garden soil will produce excellent results. For early use sow in hotbeds in March, for general use sow as early in spring as the ground will permit, in drill about 18 inches apart, and cover seed firmly with 1/2 inch of fine soil. Continue sowings about every two or three weeks until fall to obtain a succession. Cultivate frequently, keeping free from weeds, and water freely. In the South the seed may be sown in the autumn and the plants used early in spring as a salad and for greens. Mustard is used as an ingredient for prepared salads. The leaves are often cut and boiled like spinach. We print full cultural directions on every bag.

Fordhook Fancys. Has long, slender, plume-like, finely curled leaves of a deep green color with edges deeply cut. Very ornamental and productive, and stands a long time before running to seed. Pkt. 5 cts., oz. 10 cts., $1 lb. 25 cts., lb. 75 cts.

Southern Giant Curled. The leaves are large, light green with a yellow tinge, much crimped and frilled at the edges. The plant is upright or slightly spreading in growth, very hardy, and of good quality. Pkt. 5 cts., oz. 10 cts., $1 lb. 25 cts., lb. 70 cts.

White, or English. The large leaves of this variety are not crimped as much as the other sorts, but it is quite early. Pkt. 5 cts., oz. 10 cts., $1 lb. 15 cts., lb. 45 cts.

NASTURTIUM, or INDIAN CRESS One ounce will sow 25 feet of row

It is best to sow the seed in rows about 1 inch deep in the spring as soon as the ground will permit. The seed pods gathered green are delicious when picked and are used for seasoning, like capers. The leaves are sometimes used in making sandwiches.

Tall, or Large. The climbing variety; 10 feet high; ornamental flowers; large seeded. Pkt. 5 cts., oz. 10 cts., $1 lb. 30 cts., lb. $1.

OKRA, or GUMBO One ounce will sow 100 feet of row

Use a rich garden soil. Sow in hotbeds in March and transplant after soil is warm, about May 15 in the latitude of New York City, in rows 3 feet apart, plants being 18 inches apart in the row. In a warm latitude Okra will mature before frost if sown in May in the open ground, thinly in rows 3 feet apart, covering firmly with an inch of soil. When plants are about 3 inches high, thin to 18 inches apart in the row. Cultivate often, keeping free from weeds. Pods are in best condition to use when from 1 to 3 inches long and while young and tender, before the woody fiber develops. The pods are sliced and used for soups, stews, etc., or as a separate dish; also may be sliced in sections and dried like dried apples. Okra is used largely in the South and is becoming better known and more popular in the North each year. We print full cultural directions on every bag.

Dwarf Prolific. Of dwarf, stocky growth, very early and prolific. Excellent for the North, being quite hardy. Pkt. 5 cts., oz. 10 cts., $1 lb. 20 cts., lb. 60 cts.

Long Green. Produces long slender green pods which are very tender. It grows taller than the Dwarf Prolific and bears in great profusion. Pkt. 5c., oz. 10c., $1 lb. 20c., lb. 60c.

PERKINS' MAMMOTH. This variety is about 3 feet high, very early and productive. Pods are deep green, very long, slender, slightly corrugated, and very tender. Pkt. 5 cts., oz. 10 cts., $1 lb. 20 cts., lb. 60 cts.

White Velvet. The plants are about 3 feet high, early maturing, and very productive. The pods are creamy white, long, smooth, slender, and are tender. Pkt. 5c., oz. 10c., $1 lb. 20c., lb. 60c.
MUSKMELON, or CANTALOupe

One ounce will plant
50 hills

After danger of frost is past, the ground being warm and in good condition, plant in rich soil, preferably sandy loam, in hills about 4 to 6 feet apart according to the vigor of the variety and richness of the soil. Plant, in the latitude of New York City, early in May, eight to ten seeds to the hill. Cover firmly with about 1 inch of fine soil. When plants begin to crowd and the danger from the striped beetle is over, thin out, leaving only the four strongest plants to the hill. Give shallow cultivation frequently, until runners grow to such an extent as to make this impracticable. The quality of melons is dependent largely upon weather conditions and the vigor of vines; unfavorable weather and unhealthy vines produce a poorly flavored fruit. To induce early fruiting, pinch the ends of the laterals. To prevent insect attack, dust with mixture of road-dust and air-slacked lime or wood ashes. We print full cultural directions on every bag.

GREEN-FLESHED VARIETIES

Baltimore, or Acme. Midseason variety; medium-sized, long, oval, slightly pointed at stem end, slightly ribbed, and covered when ripe with coarse netting. Flesh thick, green, sweet, and well-flavored. Productive; sure cropper. Pkt. 5 cts., oz. 15 cts., ¼ lb. 40 cts., lb. $1.25.

Extra-Early Hackensack. An early popular large sort, fruits weighing from 5 to 6 pounds each and produced in abundance. Nearly two weeks earlier than Hackensack. Fruits are round, slightly flattened from stem to blossom ends, with well-defined ribs and strong netting. Skin is green slightly tinged with yellow at maturity. Flesh is thick, rich green in color, slightly coarse, but juicy and of fine flavor. Pkt. 5 cts., oz. 15 cts., ¼ lb. 40 cts., lb. $1.25.

Hackensack, or Turk’s Cap. About two weeks later than the above, but attains a very large size, round, slightly flattened from the ends with large ribs of irregular width, and heavily covered with coarse netting. Flesh is green, thick, coarse, but sweet and juicy. Vines are hardy, vigorous, and productive. Pkt. 5 cts., oz. 10 cts., ¼ lb. 30 cts., lb. $1.

HONEY DEW. We want all wide-awake, up-to-the-minute home-gardeners to notice this carefully. This is the type of melon which has met with instantaneous public favor and created a sensation wherever used. The oval-shaped fruit is of good size, weighing 8 to 10 pounds, and is about 6 inches in diameter and 7 to 8 inches long. The smooth skin is dull white when ripe and it has no netting. The rind, though thin, is very tough. The flesh is rich, light green, and edible from very close to the rind to the seed-cavity which is relatively very small. This melon is not a casaba, the seed cavity being like the ordinary Cantaloupe. The wonderful new flavor of this melon is a surprise and a de-

Honey Dew, continued

light to all who enjoy a good melon. It has the sweetness of honey and the freshness of morning dew. An excellent keeper, the rind being so close that it preserves the flesh in good condition for from three to five months after it is ripe. The fruit is ready to eat when the light-colored rind feels soft under pressure. Seed planted about May 1 should begin ripening melons about August 15. The later melons can be piled and covered with straw and can be kept through October, November, and December. Pkt. 20 cts., oz. 60 cts., ¼ lb. $2, lb. $7.

Jenny Lind. An extremely early, vigorous, and productive sort having rather small vines which produce small, round-flat, evenly ribbed, and moderately netted fruits of an attractive greenish gold color. Flesh is green, very sweet, and of fine flavor. Pkt. 5 cts., oz. 15 cts., ¼ lb. 40 cts., lb. $1.25.

Long Island Beauty. Fruits large, well flattened, and of the Hackensack type, covered with fine netting. It ripens quite early and the green flesh is of excellent flavor. Pkt. 5 cts., oz. 15 cts., ¼ lb. 40 cts., lb. $1.25.

MARYLAND. A happy combination of earliness, productiveness, quality, and size. Of the Rocky Ford type but far more productive, larger in size, and easily ten days earlier. Vines are strong and vigorous, producing slightly oval melons of fine, regular form and size, closely netted. Skin is light golden color when mature; flesh bright green, luscious, and ripening very close to the skin. Pkt. 5 cts., oz. 25 cts., ¼ lb. 75 cts., lb. $2.90.

Rocky Ford, or Netted Gem. Medium-early variety with vigorous and productive vines. Fruits are oval, very slightly ribbed, and densely covered with fine netting. Our stock is selected for uniformity of size as well as quality, both of which are very desirable. Flesh thick, green, sweet, and highly flavored. Pkt. 5 cts., oz. 10 cts., ¼ lb. 30 cts., lb. $1.

Maryland and Long Island Beauty Muskmelons
GREEN-FLESHED MUSKMELONS, continued

SWEET AIR. If you want a melon that will excel in quality, earliness, attractiveness, appearance, and flavor, try this one. An all-round champion melon of an oval shape, very slightly ribbed, closely and finely netted. Truly a winner for the home-gardener. The luscious, very thick green flesh will surprise you. Grows to a large size and is remarkably uniform. The beautiful golden color of the skin makes an extremely attractive comparison with the fine green flesh. Pkt. 5 cts., oz. 20 cts., ½ lb. 60 cts., lb. $1.25.

SALMON-FLESHED VARIETIES

Burrell's Gem. An oval-shaped melon of the Rocky Ford type, but with rich, thick, luscious salmon-colored flesh. Vines are very productive, vigorous, and robust, resisting blight to a remarkable degree. Fruits are medium sized, slightly ribbed, and covered with fine gray netting with small seed-cavity. Pkt. 5 cts., oz. 15 cts., ½ lb. 40 cts., lb. $1.25.

Emerald Gem. This melon is of the most delicious flavor; the thick salmon-colored flesh is granular, rich, and luscious, ripening close to the rind and with small seed-cavity. A very early variety of uniform medium size, very slightly flattened, round in shape, somewhat irregularly ribbed, with a deep green smooth skin, tinging with yellow as the fruit matures and very slightly netted. Vines are vigorous, prolific, and evergreen. Grown in our home-garden on account of its sweetness and convenient size. Pkt. 5 cts., oz. 10 cts., ½ lb. 30 cts., lb. $1.

One ounce will plant about 200 seeds.

WATERMELON

A rich sandy loam is necessary and hills should be specially prepared 8 feet apart each way by working into the soil of each hill an abundance of fertilizer rich in nitrogen. In warm, sandy soils in the latitude of New York City, four crops are often obtained, if plantings are made in May. The plant made with 2 to 3 hills of very earthy soil, will grow plants 16 to 20 inches high. When plants form first leaves, thin to the strongest plants to the hill. At the appearance of insect attack, dust freely with tobacco dust. Give frequent but shallow cultivation until runners attain such size as to make it impracticable. A change of location from year to year is advisable in growing Watermelons. We print directions on every bag.

Alabama Sweet. A very long, large melon, of deep green color with dark irregular striping. Flesh bright red, fine grained, and sweet. Grown extensively in the South. Pkt. 5 cts., oz. 10 cts., ½ lb. 30 cts., lb. 90c.

Baby Delight. A luscious "individual" Watermelon, weighing three to six pounds, measuring about 6 by 7 inches. Skin is dark green, flesh carmine, solid and exceptionally sweet. Pkt. 10 cts., oz. 40 cts., ½ lb. 1.25, 1 lb. 2.50.

Cuban Queen. A standard and popular late variety. Large oval melons, striped dark and light green; flesh red and of excellent quality. Pkt. 5 cts., oz. 10 cts., ½ lb. 25 cts., lb. 75c.

Dixie. A famous southern melon with dark green skin, striped or mottled with a lighter green; long shape. Flesh bright scarlet, rind thin and golden. A good keeper. Pkt. 5c., oz. 10c., ½ lb. 25c., lb. 75c.

Excel. This excellent melon rivals Tom Watson as the leader for the South. It is a large, long, dark green melon with very fine striping, with a thin tough rind, making it a wonderful preserving melon. Flesh is red and very crisp making it most attractive as a table melon. Under favorable conditions it will average 40 to 60 pounds to the melon and not infrequently as high as 75 pounds. A medium-early sort. Every melon-grower should try this one. Our stock is fine. Pkt. 5 cts., oz. 10 cts., ½ lb. 30 cts., lb. $1.

Florida Favorite. A splendid long melon of very large size and in every quality. Dark green skin mottled and striped with lighter green; thin but firm rind. Flesh is very deep red, sweet and tender. Vines vigorous and productive. A good keeper. Pkt. 5 cts., oz. 10 cts., ½ lb. 90 cts., lb. $1.

HARRIS' EASIEST. The fruits are exceptionally large for such an extra-early melon and of excellent quality. Slightly oval with irregularly mottled broad striped dark green skin. Dark green mottled and striped with lighter green; thin but firm rind. Flesh is very deep red, sweet and tender, sweet and crisp. Vines vigorous and productive. One of the best for the north. Pkt. 5 cts., oz. 10 cts., ½ lb. 30 cts., lb. $1.

Impoved Christiana. A very finely flavored variety with a dark green skin. Fruits are medium sized, yellow fleshed, and oval-round in shape. Pkt. 5 cts., oz. 15 cts., ½ lb. 40 cts., lb. $1.25.

NOLL'S GOLDEN JERSEY. A small oval melon with very thick, rich, orange-colored flesh of an extremely agreeable flavor. Rocky Ford shape, densely covered with fine netting, and slightly ribbed. This splendid melon combines extra-fine quality with uniformity of size, productivity, and very attractive appearance. It is just the right size for the table; one of the best small melons so far introduced. A medium-early sort, with vigorous vines and a small seed-cavity. Our stock is carefully selected for size, shape, and quality, and we believe will more than please the most discriminating. Pkt. 5 cts., oz. 25 cts., ½ lb. 75 cts., lb. $2.50.

Osage, or Miller's Cream. The vines are vigorous and productive. Fruits are oval, of a medium-large size, with dark green skin, slightly ribbed and covered with shallow netting. The rich orange-colored flesh is very thick, low, yielding a small seed-cavity, and is highly flavored. This melon matures rather late. Pkt. 5 cts., oz. 15 cts., ½ lb. 40 cts., lb. $1.25.

TIP TOP, or SURPRISE. A very heavy-cropping, attractive melon in great demand. Fruits moderately large, nearly round, distinctly ribbed, and slightly netted, with light yellow skin when mature. Flesh deep salmon, finely scoured, thick, firm and fine grained; of delicious quality and edible to the rind. This is a good early variety. Pkt. 5 cts., oz. 15 cts., ½ lb. 40 cts., lb. $1.25.

Kleckley's Sweets, or Monte Cristo. A fine sort but will not stand much handling. Vines vigorous and productive; fruits are medium to large, oblong tapering slightly towards the stem. Flesh is red, yellow, and green; the flesh is very bright, rich red, and exceedingly sweet, crisp, and tender. Pkt. 5 cts., oz. 10 cts., ½ lb. 30 cts., lb. 90 cts.

MAMMOTH OF MIAD. An old and popular oval-shaped variety; grows to an immense size; dark green with lighter markings; red flesh of fine quality. Pkt. 5 cts., oz. 10 cts., ½ lb. 25 cts., lb. 75 cts.

Melver's Waterful. An exceptionally fine home variety of medium-large size, oblong shape, and mottled and variegated skin. Flesh exceedingly sweet, rosy pink, solid, and delicious. Pkt. 5 cts., oz. 10 cts., ¼ lb. 30 cts., lb. 90 cts.

Sweetheart. The fruits are mammoth, oval, and very heavy, with a thin firm rind. They are light green in color and slightly veined with a little darker green. The flesh is bright red, firm, tender, and sweet. The productive vines ripen the fruit evenly, and melons may be kept a long while after cutting. Pkt. 5 cts., oz. 10 cts., ½ lb. 25 cts., lb. 75 cts.

TOM WATSON. An exceptional keeping variety owing to its tough rind; grows very large-sized, long-shaped melons of very attractive dark green color. Flesh a rich red, sweet, tender, and crisp. Vines are very vigorous and productive. When grown, this variety has become very popular. Our stock is selected from perfect melons, for uniformity, size, shape, and quality. We are positive that it will please you. Pkt. 5 cts., oz. 10 cts., ¼ lb. 30 cts., lb. $1.

CITRON

Colorado Preserving, Green-seeded. Medium-sized, round, dark green skin, sharp, distinctly striped and marbled with bright green. Flesh white and solid, and used only for preserving. matures late in the fall. Pkt. 5 cts., oz. 10 cts., ½ lb. 30 cts., lb. 90 cts.
ONION

Soil should be a soft dark sandy loam, not too fine; it should be well fertilized a year previous to using. For early crop, sow seed in coldframes in February, transplanting when large enough to handle. Largest exhibition Onions are grown in this manner. Regular open-ground sowing, in the latitude of New York City, should be made about April 20. Sow ½ inch deep in rows 12 inches apart and thin out so to have 4 inches apart in the row. When plants are large enough, thin again to 3 or 4 inches apart. The row should be kept free from weeds by hand. Care should be taken in cultivating, not to go too deep and not to draw the soil up around the growing bulbs. We print full cultural directions on every bag.

RED VARIETIES

Extra-Early Flat Red. Bulb flat, about 3 inches in diameter, and about ½ inch thick, of a coppery red color. This is the earliest of the red Onions to ripen, and the firm bulbs keep remarkably well. Hardy, very uniform in size and color, and of moderately strong flavor. Close-grained white flesh tinged with light purple. Pkt. 5 c., oz. 20 c., ½ lb. 70 c., lb. $2.25.

Large Red Wethersfield. A very popular standard variety with handsome, large, bright purplish red, somewhat flattened although quite thick, smooth, glossy bulbs. Flesh is firm, purplish white, rather strongly flavored but pleasant. Medium-early or main-crop sort, very productive, and one of the best keepers. Pkt. 5 cts., oz. 20 cts., ½ lb. 60 cts., lb. $2.

SOUTHPORT RED GLOBE. This most excellent medium-early or main-crop Onion produces medium-to-large sized, perfect globe-shaped bulbs, with small neck, smooth and glossy, and of deep purplish red color. Flesh is white, tinged with light purple, fairly mild, fine grained and tender. One of the best keepers. Pkt. 10 cts., oz. 20 cts., ½ lb. 75 cts., lb. $2.25.

YELLOW VARIETIES

Michigan or Ohio Yellow Globe. A variety specially suited for muck soils. Bulbs are large, globe-shaped with flattened base, small-necked, with slightly more slope to the shoulder than the Southport Globes. The skin is a rich yellow, tinged with orange; flesh is creamy white, mild, and of fine quality. This main-crop variety is fine for keeping and ripens uniformly. Our stock is superfine. Pkt. 10 cts., oz. 25 cts., ½ lb. 79 cts., lb. $2.50.

NOLL’S SELECTED YELLOW GLOBE DANVERS. We urgently call your attention to this perfect strain of the standard Yellow Globe Danvers Onion. By very careful selections and breeding, we have developed a strain of this firm main-crop Onion which has retained the small neck and the uniformity of ripening without yielding any of the good features of the original strain and have, Noll's Selected Yellow Globe Danvers Onion.

Noll’s Selected Yellow Globe Danvers, continued in addition, improved the shape to a perfect globe and brought the stock to the utmost of perfection in uniformity of size. The bulbs, of medium to large size, are uniformly globe-shaped, with small neck, ripen evenly, and are of a rich coppery yellow color. The flesh is creamy white, crisp, solid, and of mild and fine flavor. An excellent keeper. Pkt. 10 cts., oz. 30 cts., ½ lb. 85 cts., lb. $3.

Prizetaker. A very handsome late or main-crop Onion of the largest size and nearly globular in form, sloping slightly at the shoulder and base. Skin is yellowish brown; flesh is creamy white, very mild, tender, and of fine flavor. A good keeper, if thoroughly ripened and fine for fall and early winter use. Pkt. 10 cts., oz. 25 cts., ½ lb. 75 cts., lb. $2.50.

SOUTHPORT YELLOW GLOBE. The bulbs are large globe-shaped with rather full shoulder, of a rich yellow color. The Onion ripens down evenly, and keeps well. Flesh is creamy white, fine-grained, and of excellent flavor. Differ from Southport Red Globe only in color and mildness of flavor, the Yellow being much milder. Very hardy and extremely productive. Pkt. 10 cts., oz. 25 cts., ½ lb. 75 cts., lb. $2.50.

Yellow Dutch or Strasbourg. Extensively used for Onion sets. Large and quite flat, of a straw-yellow color. Flesh is creamy white, mild, and of fine quality. Pkt. 5 cts., oz. 20 cts., ½ lb. 60 cts., lb. $2.

Yellow Globe Danvers. This is the standard variety for main crop planting. Bulbs are enormous-shaped, slightly flattened, of good size and rich copper-yellow color. Flesh is creamy white, crisp, solid, mild, and of good flavor. This is the original strain from which we selected the Noll’s Selected Yellow Globe Danvers. Pkt. 5 cts., oz. 20 cts., ½ lb. 60 cts., lb. $2.

WHITE VARIETIES

Mammoth Silver King. This is the largest flat white Onion grown, often attaining 4 or 5 inches across. A late-maturing variety and a fine keeper, making it desirable for fall use. Very productive; skin silvery white; flesh white, tender, and mild-flavored. Pkt. 10 cts., oz. 35 cts., ½ lb. $1, lb. $3.50.

SOUTHPORT WHITE GLOBE. The most popular and finest white Globe Onion to be had. A splendid main-crop Onion producing medium to large white, handsome globe-shaped bulbs which are full at the shoulder and base. Very productive, and a fine keeper. Good Onions are produced only by using good seed; ours will do more than please you. Pkt. 10 cts., oz. 35 cts., ½ lb. $1, lb. $3.50.

White Barletta. This extremely early variety, bulleting in two months from time of sowing, is used very extensively for pickling and table use. The bulbs are very small, flattened on the top, with small necks, and rather conical at the bottom. White with silvery tinge. Pkt. 10 cts., oz. 35 cts., ½ lb. 51 cts., lb. $3.75.

White Bunch. Small flattened bulbs; skin pearly white; flesh of good quality and flavor. Tops are quite weak; should be used for early crop, although the bulbs attain a good size if cut deep. Pkt. 10 cts., oz. 35 cts., ½ lb. 51 cts., lb. $3.75.

White Portugal, or Silverskin. An extremely popular and fine white sort for sets or for use when young. Mature bulbs are of medium size, flattened globe shape, of mild flavor and beautiful silver-white skin. Bulbs when young are nearly round and cannot be improved upon for table use, pickles, or for salad. This is the best flattened white Onion for growing in the North, maturing about ten days earlier than Southport White Globe. Pkt. 10 cts., oz. 30 cts., ½ lb. 85 cts., lb. $3.
WHITE ONIONS, continued

White Queen. A very early, very white, clean-skinned variety used for pickling when the bulbs are young and round in shape. The mature bulbs are about 2 inches in diameter and quite flattened. Pkt. 10 cts., oz. 5 cts., lb. $1.50.

White Welsh. A very hardy perennial variety used solely for table or for green Onions in early spring. Seed may be sown in either spring or fall and makes fine enlargements by the following spring. It does not form a bulb but only an enlargement at the base of each shoot. Pkt. 10 cts., oz. 35c., 1/4 lb. $1.30.

ONION SETS

The quantity given above is only approximate, as the size of Onion Sets varies considerably. We might add in this connection that small sets are the best to use for the home-garden, generally giving better satisfaction as well as giving a greater number of bulbs to the measured quart. If Onion Sets are to be sent by mail, please allow in your remittance, 7 cts. per pt., 10 cts. per qt., 30 cts. for 4 qts., and 50 cts. per pk., for the postage charge.

Prices subject to fluctuation with the market.

Red Onion Sets...... 50 18 $0.80 $1.00 $1.75
Yellow Onion Sets...... 18 30 1 00 1.75
White Onion Sets...... 20 35 1 25 2.00
Shallots, or Multipliers... 20 35 1 25 2.00
Egyptian, or Top Onions 18 30 1 00 1.75

PARSLEY

One ounce will sow 150 feet of row

Parsley thrives in a deep rich mellow soil, very finely pulverized. The seed germinates more readily in cool, moist weather. As the seed germinates very slowly, sow as early as possible in the spring, in the latitude of New York City early in April, in rows 12 to 18 inches apart. Cover with 1/2 inch of fine soil, pressing it down firmly. It is essential to sow through the season by sowing at intervals of two weeks. When the plants are well up, thin to stand 1 to 2 inches apart in the row. The curled varieties, when about 3 inches high, can be cut off to advantage, each new growth showing an improvement over the previous one. The seed may be made to germinate more rapidly by soaking it over night in slightly warm water before using. We print full cultural directions on every bag.

Champion Moss Curled. A compact-growing, deeply curled variety. Our stock is very popular owing to the very dark green color and extreme uniformity. Leaves used for garnishing. Pkt. 5 cts., oz. 10 cts., 1/4 lb. 25 cts., lb. 80 cts.

Hamburg Curled Parsnip-rooted. This variety is grown for the roots, which mature early, are short, thick, and in appearance like a parsnip, although smaller. Flesh is white, a little dry, and flavored like Celeriac. Pkt. 5 cts., oz. 15 cts., 1/4 lb. 40 cts., lb. $1.25.

NOLL'S SELECTED EXTRA-DOUBLE-CURLED. This excellent strain is very vigorous, growing short stiff stems with compact, finely cut, very densely or double-curled leaves of an extremely dark green, exceedingly fresh-looking color. We have carefully selected this stock to produce plants of remarkable uniformity and which resist drought and heat better than any other variety. Pkt. 5 cts., oz. 10 cts., 1/4 lb. 30 cts., lb. $1.

Plain, or Italian. The leaves of this variety are flat, deeply cut, but not curled. It is a favorite on account of the very dark green leaves and hardiness of the plant. Desirable for flavoring soups, etc. Pkt. 5 cts., oz. 15 cts., 1/4 lb. 40 cts., lb. $1.25.

POTATOES

One peck will plant 100 hills; 12 bushels for one acre

The Potatoes listed below are grown especially for seed purposes and are superior northern-grown stocks. Potatoes are planted early and late. It is best to cut the Potatoes with two or three eyes to a piece, planting these in rows or hills about 3 feet apart and about 15 to 18 inches apart in the row. Careful cultivation, under usual conditions, will produce heavy crops. One-barrel sack contains 11 pecks, or 165 pounds.

Carman No. 3. This variety is enormously prolific, averaging a pound to the Potato, which is very uniform in shape, white-skinned with a few shallow eyes. The flesh is snow-white and of a fine cooking quality. Pk. $1.25, bus. $4, bbl. sack $9.

Early Rose. This pink-skinned variety is an old standard and noted for earliness, productiveness, and fine quality. Pk. $1.25, bus. $4, bbl. sack $9.

Green Mountain. This is a very reliable medium-late Potato thriving in all localities. We recommend it particularly for the home-garden. It produces heavy vines, yielding big crops of large, smooth, white-skinned tubers of handsome flavor. It is a good cropper and cooks white, dry, and mealy. Pk. $1.25, bus. $4, bbl. sack $9.

Irish Cobbler. This fine early variety produces large, nearly round, handsome tubers, very uniform in shape and size. The flesh is white and of fine quality. The skin is a very light brown with a white netting. This is one of the most popular, a heavy cropper. Pk. $1.25, bus. $4, bbl. sack $9.

Queen. This is a fine early Potato and one of the best, with a red and white skin and pure white flesh. It is very productive, yielding heavy crops of tubers of a fine quality, and is a good keeper. Pk. $1.25, bus. $4, bbl. sack $9.

Owing to unsettled market conditions, prices on Potatoes are subject to change without notice.

PARSNIK

One ounce will sow 150 feet of row

Use preferably a deep, rich, sandy soil although any deep, mellow, moderately rich soil will produce good roots. Sow as early in spring as possible, in the latitude of New York City in early April, in rows which are 1 1/2 feet apart, covering firmly with 1 1/2 inch of fine soil. When plants are well up, thin to 2 or 3 inches apart in the row. Cultivate frequently. Parsnip seed is slow to germinate; therefore sowings should be made early and soil pressed down firmly over seeds. Parsnips are improved by frost and it is usual to take up in the fall only a quantity sufficient for winter use, leaving the rest in the ground to be dug in spring. We print full cultural directions on every bag.

NOLL'S IDEAL HOLLOW CROWN. This is the best table Parsnip. The roots are about 12 inches long, with smooth white skin, uniform in shape, tapering evenly from a heavy shoulder down to a small root, tender, and of best quality. The foliage grows out of the hollow crown or top of the root. Pkt. 5 cts., oz. 10 cts., 1/4 lb. 20 cts., lb. 65 cts.

Noll's Ideal Hollow Crown Parsnip
For early varieties use a light, rich, warm soil; for general crop, a deep, moderately heavy soil is better. Avoid freshly manured, very rich, or wet, mucky soil. In selecting the land, be sure that weeds will not be a problem and that the seed will mature in succession. As soon as the ground can be worked into a fine loose condition after frost is out, the extra-early smooth-seeded varieties should be planted, and either smooth- or wrinkled-seeded plantings for succession can be made at intervals of twelve days up to June 1. Discontinue sowings from June 1 until August, when the fall sowing should be made; use for this an extra-early sort. Very good success has, however, been obtained by sowing, between June 1 and August, round, smooth-seeded variety Pea instead of using the wrinkled-seeded, as this variety ripens more than two weeks earlier. Sow seed about 1 inch apart in double rows 6 or 8 inches apart and 3 or 4 feet between double rows. Cover firmly with 2 inches of fine soil. Thin plants, when well up, to eight or ten to the foot of row. Varieties growing over 1½ feet high are produced only if staked or brushed up when plants are 4 to 6 inches high. Dwarf varieties need no support. Cultivate frequently and keep free from weeds. The crop should be gathered as fast as fit for use.

We print full cultural directions on every bag.

Wrinkled varieties are marked with an asterisk (*)

**FIRST-EARLY AND EARLY VARIETIES**

*Alaska,* or Earliest of All. A wonderfully productive, small-podded, extremely early sort, grown on a very large scale throughout the United States for first planting. The vines, of a peculiar, distinctive, light green tinge, are 2½ to 3 feet high. Pods are dark green, 2½ feet long, and well filled with small, smooth, blue-green Peas of good flavor. This Pea matures an abundance of pods and is invaluable to the private gardener. Pkt. 10 cts., cw. 20 cts., qt. 35 cts., pk. $2, bus. $7.

*Ameer,* or Large-Pod Alaska. This fine variety is rapidly becoming more popular with those who want a larger podding Pea of the Alaska type. The vine is more vigorous, 3 feet or less in height, of the same color, and a heavy producer of dark green pods over one-third larger than Alaska, filled with five to seven large blue-green round Peas of fine flavor. The crop ripens three days later than Alaska, and uniformly. Pkt. 10 cts., pt. 20 cts., qt. 35 cts., pk. $2, bus. $7.

**Eldorado Pea**

*American Wonder.* The earliest of the dwarf wrinkled sorts, vigorous and productive, with dark, luxuriant foliage. Vines dwarf 12 inches high, of compact habit. Pods 2½ inches long, round, and crowded to the end with Peas of excellent quality. This crowding often makes the Peas appear almost square. Pkt. 10 cts., pt. 20 cts., qt. 35 cts., pk. $2, bus. $7.

*Blue Bantam.* This remarkable dwarf extra-early wrinkled Pea is sure to be a winner. It combines extreme earliness, superb quality, and unusual productiveness, growing a very large pod for such a dwarf Pea. Vines average 1½ inches in height, are very vigorous, and carry enormous crops of large, deep, bluish green pods. The handsome, pointed pods are 4 to 4½ inches long, smooth and packed tightly with eight to ten extra-large, deep bluish green Peas of a most luscious flavor. The pods mature as early as American Wonder and are of a Gradus size. Try this fine Pea; it will surprise you. Pkt. 15c., pt. 30 cts., qt. 50 cts., pk.$3.25, bus. $12.

**Eldorado.** This is a new Pea and we are particularly anxious that you should try this excellent variety when ordering your seed for the coming season. It is in every respect a Pea of the highest merit. We have taken great pains to bring it to perfection. It is of a type that has been wanted for a long time and is easy of cultivation. The 12 inch vine is very productive of very large round, smooth-seeded Peas of splendid quality. This appearance and quality of this Pea place it in large demand. You must have heard of this variety of increasing popularity. Try it out yourself and make your Pea crop please you better than it ever has. Pkt. 10 cts., pt. 25 cts., qt. 40 cts., pk. $2.50 bus. $9.

**Gradus, or Prosperity.** In this Pea we have an extremely early, large-podded, wrinkled variety which matures only a day or two later than the little round-seeded, small-podded extra-earlies. There is little wonder that this Pea was an instant success, as it combines a mammoth pod, 4½ to 5 inches long, with extreme earliness, and is very hardy and can be planted very early. The vines are heavy stemmed, with large, light green leaves, growing 3 feet high. Pods are straight, uniformly large, nearly round, pointed, and well filled with large, handsome, round Peas of splendid quality and beautiful light green color. The appearance and quality of this Pea place it in large demand. You must have heard of this variety of increasing popularity. Try it out yourself and make your Pea crop please you better than it ever has. Pkt. 10 cts., pt. 25 cts., qt. 40 cts., pk. $2.50 bus. $9.

**Laxtonian.** We invite your attention to our leader. This wonderful, handsome, large-podding variety, with a 12- to 14-inch vine, has made a remarkable impression on the home-gardeners of this country and deservedly so, for we believe it to be one of the best Peas on our list. The dwarf vines are very vigorous, sturdy, and productive; foliage is dark green, producing very dark green, curing very long, cutting very light; and the point. The quality is unsurpassed and the crop matures slightly earlier than Gradus. We heartily recommend this Pea to our customers. See illustration on front cover page. Pkt. 15c., qt. 35 cts., pt. 55 cts., pk. $4, bus. $15.

**Little Marvel**. This variety is very well named and we advise you to become better acquainted with it. The vines are of dwarf, even growth, 15 inches in height. They are sturdy and are heavily set with straight, square-ended, deep green pods nearly 3 inches long and well filled with six to seven quite large, deep green Peas. The quality is particularly fine. Pkt. 15c., qt. 35 cts., pt. 55 cts., pk. $3.25, bus. $12.

**Noll’s Grand Monarch.** An exceptionally fine, extra-early Pea, 3 feet in height, bearing early large pods 3½ inches long, very fine dark green, well filled out with six to eight large, round Peas of a peculiar green color and of very excellent flavor. The vines are of strong, vigorous, sturdy growth and mature the pods just after the little Alaska. The seed, being smooth and round, can be planted very early, just as early as the extra-earlies. Pkt. 10 cts., pt. 20 cts., qt. 35 cts., pk. $2.25, bus. $8.
FIRST-EARLY AND EARLY PEAS, continued

*Nott’s Excelsior.* This splendid early Pea has robust vigorous vines, is dwarf and uniform in growth and is a very heavy yielder. Usually ready in forty to forty-five days from planting, growing about 14 inches high. Pods 2½ inches long, straight and round. In sweetness and quality the Peas are unsurpassed. Pkt. 10 cts., pt. 20 cts., qt. 35 cts., pk. $2, bus. $7.

**Prolific Early Market.** A smooth, white-seeded variety, extra early, bearing profusely large handsome pods 2½ inches long, blunt-ended and light green in color. Height of vines 2½ to 3 feet. Pods are well filled with fine Peas. Pkt. 10 cts., pt. 20 cts., qt. 35 cts., pk. $2.25, bus. $8.

**Selected Extra-Early.** A very prolific, uniform strain, growing vigorous vines 2 to 2½ feet high. Pods are medium-sized, produced singly, but are very heavy on the vines, this being a strong cropper. Pkt. 10 cts., pt. 20 cts., qt. 35 cts., pk. $2.25, bus. $8.

*Thomas Paxton.* An exceptionally good extra-early, wrinkled marrow Pea of great merit. Vines resemble Gradus, growing about 3 feet high, but are lighter in color and mature a few days earlier. This Pea has a vigorous hardy constitution and can be planted with the first-early smooth-seeded sorts. The productive vines grow a heavy crop of straight, square-ended, dark green pods 3½ inches long, containing seven to eight fine Peas of rich flavor and deep green color. Pkt. 10 cts., pt. 20 cts., qt. 35 cts., pk. $2.40, bus. $8.50.

SECOND or MEDIUM-EARLY VARIETIES

*Heroine.* This medium-early sort produces 2½-foot vines and bears at the height of the season an abundant crop of large, well-filled pods. It is so constituted that it does extremely well in our hot summers and retains its very excellent flavor. Pkt. 10 cts., pt. 20 cts., qt. 35 cts., pk. $2, bus. $7.

*Horsford’s Champion Duke.* A very fine, early, main-crop Pea, producing an enormous crop of rather small pods growing in pairs, on vines 2½ to 3 feet high; hardy, with dark green foliage and small leaves. Pods are 2½ to 3 inches long, each containing five to seven medium-sized, sweet, dark green peas. This variety is fine and is used largely for canning. Pkt. 10 cts., pt. 20 cts., qt. 30 cts., pk. $1.75, bus. $6.50.

**SUTTON’S EXCELSIOR.** A wrinkled second-early of great merit, which we most confidently recommend. Vines are rugged and strong and require no support. It is an abundant cropper, frequently producing pods in pairs. The productive vines are exceedingly productive; pods mature a little later than Nott’s Excelsior, but foliage is lighter green. The pods are 3 to 3½ inches long and very broad, straight, and well filled to the end. Pkt. 10 cts., pt. 20 cts., qt. 35 cts., pk. $2.25, bus. $8.

LATE or MAIN-CROP VARIETIES

*Alderman.* One of the very best of the first main-crop varieties of the Telephone type. The vines are tall, growing about 4½ to 5 feet high, dark green, vigorous, and exceedingly productive. The very large pods are 4½ to 5 inches long, dark green, straight, pointed at the end, and contain eight to nine very large Peas of superior flavor. The handsome, dark pods retain their color and freshness for a long time. Pkt. 10 cts., pt. 20 cts., qt. 35 cts., pk. $2.25, bus. $8.

*Gradus.* A standard, very productive, main-crop variety, universally admitted to be one of the richest and best flavored of the late Peas. The vigorous vines are 4 to 5 feet high, medium green foliage, pods about 3 inches long, blunt, medium dark green in color, broad, and nearly straight. Our stock of this Pea is a fine one. Pkt. 10 cts., pt. 20 cts., qt. 35 cts., pk. $2, bus. $7.50.

**DUKE OF ALBANY, or AMERICAN CHAMPION.** This fine, large, wrinkled Pea is similar to the Telephone but the vine is not so long, while the pods are a little larger and produced in greater abundance. The vines are 4½ to 5 feet high, vigorous, and strong growing, with dark green foliage and dark green pods 4½ to 5 inches long, straight and thick. Its productiveness, size, and color make it a very satisfactory Pea to grow. Pkt. 10 cts., pt. 20 cts., qt. 35 cts., pk. $2.25, bus. $8.

**Large Black-Eye Marrowfat.** This is a well-known, later-maturing variety with vines about 5 feet high. It is very prolific, producing pods about 3 inches long, and is one of the best late sorts. Pkt. 10 cts., pt. 20 cts., qt. 30 cts., pk. $1.75, bus. $6.

**Telephone.** This is the recognized late Pea for the home-garden where a fine appearance, high quality, and large-sized pod are wanted. Vines are tall, vigorous, 4½ feet high, with large, coarse, light green leaves and producing an abundance of attractive, pointed pods 4 to 5 inches long, filled with Peas which are tender, sugary sweet, and of an excellent flavor. The standard late sort. Pkt. 10 cts., pt. 20 cts., qt. 35 cts., pk. $2.25, bus. $8.

Has it ever occurred to you how easy it is to grow Peas and to keep a successive supply of fresh, young, green Peas for your table use throughout the season? Think this over and see whether your garden cannot be made to produce such results. We should be glad to co-operate with you. By using Noll’s seeds and Planet Jr. implements, the time and effort necessary would be reduced to a minimum.
**PEPPER**

Peppers require a rich, well-prepared, warm soil. Sow high, transplant into 2-inch pots and, after the open ground, transplant to rows 2½ to 3 feet apart. Cultivate frequently, 1½ feet deep in June. When plants are 1 inch high, transplant to rows the same distance apart, 1 inch deep in July. When plants are 3 inches high, transplant as above. Cultivate freely to keep soil mellow and free from weeds. When plants are 6 inches high, mound, well weed into the surface soil around each plant, will increase the product. Full cultural directions on every bag.

**Large Bell, or Bull Nose.** The plants are vigorous, about 2 feet high, compact and productive, ripening their crops uniformly and prolifically. Fruits are about 3 inches long and 3 inches across the top, with very thick, mild flesh of excellent quality. The color is deep green when young, glossy scarlet-crimson when ripe. Pkt. 10 cts., oz. 30 cts., $1 lb. $1.10, lb. $4.

**Long Red Cayenne.** A red hot variety. The slender, tapering, pointed pods are pendent and average 3 inches in length, diameter reducing from ½ inch to the point. They are deep green when young, bright red and very pungent when ripe. Plant is productive, branching, and with dark green foliage. Pkt. 10 cts., oz. 30 cts., $1 lb. 85 cts., lb. $3.

**Neapolitan.** Large handsome Peppers, about 4 inches long and 2 inches in diameter. Bears ten days earlier than any other large red variety. Fruits are green when young, a glossy red when ripe; flesh solid and mild. Pkt. 10 cts., oz. 35 cts., $1 lb. $1.50.

**Red Chili.** A late variety having bright, rich red pods, about 2½ inches long and ½ to 1 inch in diameter set at the shoulder, tapering to a sharp point and exceedingly pungent when ripe. Very hot and produced in abundance. Pkt. 10 cts., oz. 30 cts., $1 lb. 85 cts., lb. $3.

**RUBY GIANT.** This fine variety is a cross between Chinese Giant and Ruby King. The fruits average 4½ inches long and 3½ to 4 inches wide at the thick end, of shape similar to Chinese Giant but for more uniform. The flesh is very thick with comparatively few seeds, mild and sweet in flavor. Deep green when young, brilliant ruby-scarlet when ripe. Pkt. 10 cts., oz. 30 cts., $1 lb. $1.50, lb. $5.

**Ruby King.** A very attractive well-known variety of merit. The plants are about 2½ feet high, vigorous, compact, and very productive. The fruits are 4 to 5 inches long, of a deep green color when young and bright red when ripe. The shape is similar to Bull Nose but longer, slimmer, far more symmetrical, and more perfectly formed. Flesh is thick, mild, and sweet. Pkt. 10 cts., oz. 50 cts., $1 lb. $1.50, lb. $5.

**Sweet Mountain, or Mammoth.** Nearly identical with Bull Nose, but is smaller and a trifle longer. Fine long fruits with thick flesh of pleasing mildness. Pkt. 10 cts., oz. 40 cts., $1 lb. $1.10, lb. $4.

**PUMPKIN**

Pumpkin does best in a good rich soil. Plant after the ground has become thoroughly warm, in May in the latitude of New York. When grown alone, plant in hills 8 feet apart each way, dropping eight seeds to a hill. Cover firmly with 1 inch of soil. After plants are well started and danger of bugs is past, thin to 4 plants to each hill. Avoid planting near other vines. Pumpkins may also be planted in the cornfield, dropping two or three seeds in every third or fourth hill of corn. When leaves have been cut down by early frost the Pumpkins should be gathered, cutting them from the vine with the stem attached. They can be kept in a warm, dry, well-ventilated place, away from frost for an indefinite time. We print full cultural directions on every bag.

**Connecticut Field.** A productive, large, orange-colored, field Pumpkin, round and slightly flattened from top to bottom. Usually grown between corn hills. Very extensively grown for stock-feeding but it also makes good pies. Flesh is deep rich yellow, fine-grained, and highly flavored. Pkt. 5 cts., oz. 10 cts., $1 lb. 20 cts., lb. 60 cts.

**King of the Mammoths, or Jumbo.** The largest of all Pumpkins. Fruits grow to enormous size, sometimes 3 feet in diameter and weighing 200 pounds and over. Shape flattened round; skin light salmon-orange colored, very thick and slightly rough; flesh is bright yellow, fine-grained, and of very good quality. Fine for stock-feeding, also for cooking. Pkt. 5 cts., oz. 15 cts., $1 lb. 40 cts., lb. $1.25.

**Large Cheese, or Kentucky Field.** The fruits are large, flattened-round, the diameter usually being twice the thickness from top to bottom. The skin is rough and somewhat of a greenish color. Flesh is fine and thick, and of very good quality. Pkt. 5 cts., oz. 10 cts., $1 lb. 25 cts., lb. 75 cts.

**Large Cheese, or Kentucky Field.** continued is mottled light green and yellow, changing to creamy yellow when mature. Flesh is yellow, tender, and of excellent quality. Very popular in the South but not so well adapted to northern use. Pkt. 5 cts., oz. 10 cts., $1 lb. 25 cts., lb. 75 cts.

**Small Sugar, or New England Pie.** This excellent variety is small, round, or somewhat flattened, about 8 to 10 inches in diameter, slightly ribbed, and of a deep orange color. The flesh is a rich deep yellow, fine-grained, and very sweet. A superb kind of pies. Pkt. 5 cts., oz. 10 cts., $1 lb. 25 cts., lb. 75 cts.

**Winter Luxury.** The fruits are of medium size and nearly round. The skin is light yellow, smooth, and covered with a fine gray netting. Flesh is light yellow, very thick, sweet, and finely flavored. This variety makes delicious pies. Pkt. 5 cts., oz. 10 cts., $1 lb. 25 cts., lb. 75 cts.
RADISH

Whether grown for an early or a late crop, Radishes require a well-pulverized, light rich soil. As the tender, crisp, and mild quality of a Radish depends much upon the rapidity with which it reaches maturity, the bed should be in a warm, sheltered situation. Young Radishes are tender, but as they grow old, the quality rapidly deteriorates and they become soft and bitter; therefore successive plantings of seed should be made at intervals of one week. For an early supply, the seed should be sown in a cold frame. For general use, sow, in the latitude of New York, from March 15 to September, thickly in rows 12 to 14 inches apart and cover firmly with 1 inch of fine soil. Thin plants to stand, early varieties 1 inch, late varieties 2 to 4 inches apart in the row. If sown after June, select a cool spot which is sheltered during part of the day. Young varieties should be planted during August, lifted before severe frost, and stored in the same manner as are turnips. We print full cultural directions on every bag.

EARLY ROUND VARIETIES

BRIGHT RED FORCING. An excellent extra-early forcing variety, forming Radishes which are uniform, small, nearly round, and of bright scarlet color. Tops are very small. Flesh white, crisp, and finely flavored. Matures in 20 days. Our stock of this perfect Radish is clean and fine. Pkt. 5 cts., oz. 10 cts., 1/2 lb. 25 cts., lb. 75 cts.

Crimson Giant. A nearly globe-shaped Radish, very large, and remaining in good condition a remarkably long time for such an early variety. Skin is fine crimson, crisp and flesh pure white and of excellent quality. If you want a large round forcing Radish, try this variety. It matures very quickly and is tender and crisp. A good sort for open-ground. Pkt. 5 cts., oz. 10 cts., 1/2 lb. 25 cts., lb. 75 cts.

EARLY SCARLET GLOBE. This Radish is a little longer than round, a rich bright scarlet in color, with tiny thread-like roots. Has a very small top and we recommend it as one of the best forcing varieties. The flesh is white, tender, and crisp. A fine early outdoor Radish for table use. Our stock has pleased particular customers all over the United States. Pkt. 5 cts., oz. 10 cts., 1/2 lb. 25 cts., lb. 75 cts.

EARLY SCARLET TURNIP. A rich scarlet-red Radish, round, turnip-shaped with small top. Flesh is white, crisp, tender, and of mild flavor. This Radish is of very rapid growth and a standard variety. Pkt. 5 cts., oz. 10 cts., 1/2 lb. 25 cts., lb. 75 cts.

EARLY SCARLET TURNIP WHITE-TIPPED, NOLL'S STRAIN. A very excellent variety and deservedly a great favorite for early planting outdoors. It is medium-sized, nearly round, being very slightly flattened on the under side; and of a bright rose-carmine-scarlet color with a distinct white tip. Flesh is white and of best quality. We pride ourselves in keeping our stock exceptionally pure and clean, producing unusually fine deep color and a clearly defined, ample white tip. It is really fine. Pkt. 5 cts., oz. 10 cts., 1/2 lb. 20 cts., lb. 60 cts.

Philadelphia White Box. A very fine early Radish, round, slightly flattened, and white. It has a medium top, matures early, and is grown extensively both under sash and outdoors. Our stock is excellent. Pkt. 5 cts., oz. 10 cts., 1/2 lb. 25 cts., lb. 75 cts.

Rosy Gem, or Rapid Forcing. A beautiful variety of Scarlet Turnip White Tip for forcing; has small tops and can be planted closely. Matures in twenty-one days. Popular. Pkt. 5 cts., oz. 10 cts., 1/2 lb. 25 cts., lb. 80 cts.

Sparkler. We have an exceptionally fine stock of this Radish which has more than pleased all who used it during the past two years. The shape is round, slightly flattened on the underside, and the coloring is remarkably attractive. The top two-thirds of the root is of a very deep rose-carmine while the distinct white tip covers the lower third. Many have remarked that it looks as if it had been painted on; the two colors meet in a clean-cut line. This is the prettiest stock we have ever seen. It will mature medium-sized Radishes in about twenty-eight days and is an excellent keeper. The quality and flavor are fine. We recommend this for outdoor use. Pkt. 5 cts., oz. 10 cts., 1/2 lb. 25 cts., lb. 80 cts.

EARLY OLIVE-SHAPED VARIETIES

French Breakfast. A rapid-growing, small, olive-shaped variety about 1 1/2 inches long by 3/4 to 3/4 inch in diameter when fully grown. It is colored a beautiful deep rose-scarlet excepting the small tip which is pure white. Its small top and earliness make it a fine sort for growing under glass, and it is an excellent variety for planting outdoors. This variety is one of the most popular with the home-gardener owing to its crispness and attractive appearance on the table. We urge you to include this one in your seed order. Pkt. 5 cts., oz. 10 cts., 1/2 lb. 25 cts., lb. 70 cts.

Olive-shaped Deep Scarlet White-tipped Forcing. The name of this variety describes it well but we might add that the top is small and allows close planting and it matures rapidly. The flavor is very mild and excellent. Pkt. 5 cts., oz. 10 cts., 1/2 lb. 20 cts., lb. 60 cts.

Olive-shaped Scarlet. This is an old favorite, half-long or oval-shaped variety maturing in twenty-five days and of a bright rose-carmine color. Flesh white crisp and mild. Pkt. 5 cts., oz. 10 cts., 1/2 lb. 25 cts., lb. 70 cts.

Olive-shaped Golden Yellow. The oval roots taper at the base and are about 1 1/2 inches long and 1 inch in diameter when mature. This sort matures quickly, has small tops, and resists the summer heat better than the white or scarlet sorts. The color is golden yellow, often russeted. The flesh is white, slightly pungent, crisp, and tender. Pkt. 5 cts., oz. 10 cts., 1/2 lb. 25 cts., lb. 70 cts.
EARLY LONG RADISHES

Cincinnati Market. This fine variety has long, smooth, slender, uniform, tapering roots about 6 to 7 inches long when mature and ¾ inch in diameter at the shoulder. It is of a fine deep red color. Pkt. 5 cts., oz. 10 cts., ¼ lb. 25 cts., lb. 70 cts.

ICICLE. A beautiful, waxy white, long-rooted Radish, gradually tapering down from the shoulder which is about ½ to ¾ inches in diameter. The roots are usually 5 or 6 inches long and have small tops. This is the earliest of the long-rooted early summer white sorts and is very desirable for outdoor planting, and also good for forcing. Flesh is crisp and tender. Pkt. 5 cts., oz. 10 cts., ¼ lb. 25 cts., lb. 70 cts.

Long Scarlet Short Top. This standard, most excellent Radish has comparatively short small tops. The roots are smooth, slender, uniform in shape and of a very attractive, bright carmine-red color. They grow about one-third of ground and continue crisp and tender until mature, when they are about 6 inches long. Pkt. 5 cts., oz. 10 cts., ¼ lb. 25 cts., lb. 75 cts.

Long White Vienna, or Lady Finger. An early-maturing, attractive summer Radish with medium tops. Roots are long, clear white, slender, smooth, about 6 to 7 inches long and ¾ to ¼ inch in diameter at thickest part when mature. Flesh crisp, tender, and mild. Matures in about twenty-five days. Pkt. 5 cts., oz. 10 cts., ¼ lb. 25 cts., lb. 70 cts.

SUMMER AND AUTUMN VARIETIES

Chartier, or Shepherd. A fine large, long, slender summer sort. Root crimson, fading to white at tip; flesh white, crisp and delicious, remaining in good condition for a long time. Pkt. 5 cts., oz. 10 cts., ¼ lb. 25 cts., lb. 80 cts.

Giant White Stuttgart. A large, turnip-shaped, white summer Radish, 4 inches in diameter, and a fine keeper. Matures in six to eight weeks, although often sooner. Flesh is white and crisp. Pkt. 5 cts., oz. 10 cts., ¼ lb. 25 cts., lb. 75 cts.

WHITE STRASBURG. The roots are of a very much elongated turnip-shape, 4 to 6 inches long, and 1½ to 2 inches in diameter when mature, thick at the shoulder and round below. Flesh is crisp, solid, and fine. One of the best late summer sorts. Pkt. 5 cts., oz. 10 cts., ¼ lb. 25 cts., lb. 75 cts.

Yellow Summer Turnip. A good-sized, round summer variety of good quality, solid, fine, but best used when young. Skin is a bronzy yellow; flesh white and crisp. Pkt. 5 cts., oz. 10 cts., ¼ lb. 25 cts., lb. 70 cts.

WINTER VARIETIES

Celestial, or Chinese Winter. An extra-fine, very large, white, cylindrical-shaped smooth Radish often growing 12 inches long. When fully matured, roots will average from 6 to 9 inches long and 2½ to 3 inches in diameter. Beautiful white skin; flesh pure white, compact, and crisp. Pkt. 5 cts., oz. 10 cts., ¼ lb. 25 cts., lb. 70 cts.

Half-Long Black Spanish. This variety produces roots with grayish black skin, 4 to 5½ inches long and 2 to 3 inches in diameter at the thickest part, rounding out from the top and gradually decreasing in diameter to a half-long point. Flesh is white, well flavored, crisp and somewhat pungent. Pkt. 5 cts., oz. 10 cts., ¼ lb. 25 cts., lb. 80 cts.

Long Black Spanish. A very late, hardy, long sort, and fine for winter use. The roots are 7 to 9 inches long and 2 to 3 inches in diameter at thickest part, gradually tapering to a point, almost black, and somewhat wrinkled. Flesh is white, firm, very pungent, and of fine flavor. Pkt. 5 cts., oz. 10 cts., ¼ lb. 25 cts., lb. 70 cts.

Rose China. The roots are cylindrical, slightly heavier at the lower end, and blunt at both ends. Skin bright carmine; flesh white, crisp, firm, and pungent. Mature roots are 4 to 5 inches long and 1½ to 2 inches in diameter. Pkt. 5 cts., oz. 10 cts., ¼ lb. 25 cts., lb. 70 cts.

Round Black Spanish. Roots are round, slightly top-shaped, 3 to 4 inches in diameter and about 3 inches long. Skin black, flesh pungent, but finely flavored. This variety keeps well through the winter. Pkt. 5 cts., oz. 10 cts., ¼ lb. 25 cts., lb. 70 cts.

RHUBARB, or PIE PLANT

One ounce will sow 125 feet of row

Rhubarb succeeds best in a very rich deep soil. Sow, in the latitude of New York City, in April in rows 1 foot apart and cover firmly with 1 inch of fine soil. When 5 or 6 inches high, thin out plants to stand 12 inches apart in the row. Keep well cultivated. In the fall or early spring they can be transplanted to a permanent bed, at 1 ft. apart, or 3 ft. apart each way. The stalks should not be gathered until plants have had a full season's growth. If propagated by dividing the roots, it may be done in fall or spring, setting divisions out 3 feet apart each way. Use plenty of farmyard manure. The soil cannot be too rich. We print full cultural directions on every bag.

Seed. Our stock of Rhubarb is saved from selected plants of the Linnaeus, Victoria, and other varieties, but, like seed from fruit trees, Rhubarb seed cannot be depended on to reproduce the same varieties. Pkt. 5 cts., oz. 15 cts., ¼ lb. 50 cts., lb. $1.50.

Roots. Reliable standard variety, $1 for 10, $9 per 100, $80 per 1,000.

SORREL

One ounce will sow 100 feet of row

Sow in any good rich garden soil, early in spring, thinly in rows 12 to 18 inches apart. Cover firmly with ½ inch of fine soil. Thin seedlings to 6 or 8 inches apart in the row. Commence cutting in about two months after planting; the plants will continue to bear fully for three or four years. If allowed to remain in the ground, Sorrel should be taken up and divided once every year or five years. As the hot sun tends to increase the acidity, a northern exposure is preferable. Sorrel should be cut and cooked like spinach when it is very palatable, or should be used uncooked when cool. We print full cultural directions on every bag.

Large French Broad-leaved. The best of the garden Sorrels, having large, pale green leaves of mild, acid flavor, esteemed as a salad, also cooked as greens, etc. Pkt. 5 cts., oz. 20 cts., ¼ lb. 60 cts., lb. $2.
SALSIFY, or OYSTER PLANT

Does best in a light, well-enriched mellow soil which, previous to sowing, should be dug to a depth of 18 inches. Sow early in spring, about April 15 in the latitude of New York City, in rows 18 inches apart. Cover the seed thinly with 1 inch of soil. When plants are well started, thin out to stand 1 to 2 inches apart in the row. Cultivate well with a hand cultivator. This is one of the most desirable winter vegetables; the roots when cooked are very palatable and nutritious. The roots are perfectly hardy and may remain out all winter, but the quantity required for winter use should be taken up and stored before the ground freezes. The balance should be dug early in spring as they deteriorate rapidly after growth again commences. We print full cultural directions on every bag.

Giant White French. The root of this variety measures from 6 to 8 inches long and about 1 inch in diameter, is very fleshy and covered with a rather smooth, yellow skin. Pkt. 5 cts., oz. 20 cts., ½ lb. 50 cts., lb. $1.75.

MAMMOTH SANDWICH ISLAND. A valuable improvement over the ordinary type, producing larger, thicker, and tapering, smooth, white roots. Leaves are larger and greener. The most popular sort. Pkt. 5 cts., oz. 20 cts., ½ lb. 60 cts., lb. $2.

SPINACH

Spinach will do well in any garden soil, but it is best developed and most tender and succulent when grown in a good rich soil. Sow thinly in rows 12 inches apart to allow for frequent cultivation. Cover firmly with ¼ inch of fine soil. When the leaves on the plants are an inch wide, thin out to stand 4 to 6 inches apart in the row. For early spring crop, in the latitude of New York, sow in September and winter over by covering lightly with straw or salt hay. In latitudes farther south and in sheltered fields there is no necessity for covering. For spring use it may also be sown as soon as the ground can be worked in spring; for general use sow at intervals of two or three weeks from April to August, except in localities where summers are hot and dry. Under favorable conditions the leaves will be ready for use in eight weeks from planting. We print full cultural directions on every bag.

BELGIUM EVERGREEN LONG-STANDING. A late variety, very desirable for spring and summer sowings. Leaves are medium-sized, well-rounded, somewhat crumpled and smooth close to the ground. Withstands hot, dry weather and is very slow to run to seed. Pkt. 5 cts., oz. 10 cts., ¼ lb. 30 cts., lb. $1.

BLOOMSDALE, or NORFOLK SAVOY-LEAVED. Best for winter, if sown very early in the spring, will produce a good crop. This early productive variety forms large glossy dark green leaves, crumpled or blistered, very thick and of great substance. The leaves make a valuable addition to the winter market. Has a tendency to bolt to seed in warm weather. Pkt. 5 cts., oz. 10 cts., ¼ lb. 30 cts., lb. $1.

LONG SEASON. An excellent second-early variety with small plants growing close to the ground, with thick somewhat crumpled, very dark green leaves and short fleshy stems. Does not readily crush. Will keep in the garden in good condition for a remarkably long time. Pkt. 5 cts., oz. 10 cts., ¼ lb. 30 cts., lb. $1.

Mammoth Italian Long-standing. This is the largest-growing Spinach and one of the best second-early varieties. Leaves are very broad and of mammoth size, dark green, and slightly crumpled. The plant has a rather upright growth. An excellent keeper, stands a long time without running to seed. Pkt. 5 cts., oz. 10 cts., ¼ lb. 30 cts., lb. $1.

New Zealand. A distinct Spinach, differing from each of the true Spinach varieties. Thrives in hot weather and any soil, rich or poor. The plant is of a spreading habit, growing very large, and has comparatively small, broad, pointed leaves. The tender shoots can be cut throughout the summer and are of good quality. Pkt. 5 cts., oz. 10 cts., ¼ lb. 30 cts., lb. $1.

Round-leaved Winter. An excellent variety to winter over for spring cutting. Very productive, with round thick leaves, nearly smooth, and growing close to the ground. Pkt. 5 cts., oz. 10 cts., ¼ lb. 30 cts., lb. $1.

Victor. A large-growing variety forming flat on the soil a rosette of exceedingly thick, dark green, glazed, much crumpled leaves. Good for either spring or fall sowing and stands long before going to seed. Pkt. 5 cts., oz. 10 cts., ¼ lb. 30 cts., lb. $1.

Virolay Giant Thick-leaved. A large-growing early variety with very thick, large, somewhat crumpled leaves of dark green color. A fine variety for both fall and spring sowing. A rapid grower. Pkt. 5 cts., oz. 10 cts., ¼ lb. 30 cts., lb. $1.

May we have the privilege of supplying you with your Lawn Grass Seed this year? We make our own mixtures from the best natural grasses obtainable throughout the world, and know that they are what you should have. See page 32. Lawns, like many other things, to be at their best need constant attention. Each year they should be sown with new Lawn Grass Seed to freshen and strengthen them.
SQUASH

A warm, light, rich soil is best. This may be enriched by mixing a shovelful of fertilizer thoroughly with the soil in each hill. As Squash plants are very tender and sensitive to cold, plantings must not be made until settled warm weather, about May 15 in the latitude of New York City. Summer varieties should be planted in hills 4 to 6 feet apart each way, winter varieties 8 to 10 feet apart each way. Drop about six seeds to the hill. Cover firmly with 1/2 inch of fine soil. When plants have attained their third or fourth leaves, thin out, leaving the three strongest plants in each hill. We print full cultural directions on every bag.

SUMMER VARIETIES

Cocozelle, or Italian Vegetable Marrow. The dwarf bushes of this fine variety produce large, very elongated, slightly curved, smooth dark green fruits, which, when mature, become marbled with yellow and lighter green stripes. Fruits are best when 6 to 8 inches long, when the flesh is very tender, marrowy, and delicious. They can also be used when much larger. Pkt. 5 cts., oz. 15 cts., 1/4 lb. 40 cts., lb. $1.25.

FARR'S WHITE BUSH. An extremely early White Bush Scalloped or Patty Pan Squash, producing large, handsome, warty fruits, exceedingly well-molded. The shape is somewhat flattened, with rounded bottom and flattish warty top, the bottom surface continuing above and folding down into the top surface in a ring of exceedingly uniform scallops. The color is a beautiful greenish cream and is decidedly attractive. The fruits are not so thick from top to bottom as the Long Island White Bush variety. The extreme earliness, uniformity of size and shape, and the wonderful color of this Squash have made it extremely popular and much in demand wherever it is grown. We introduced this Squash in 1912 and since that time have, by careful selection, improved our stock until we now believe it to be unsurpassed in its class. Include this one in your early Squashes this next season and you will be well repaid. Pkt. 5 cts., oz. 15 cts., 1/4 lb. 40 cts., lb. $1.25.

Long Island White Bush. A very early summer Squash, with vigorous and productive vines. The fruits are rather small, thick, with only a slight indication of a scallop; the skin is white; flesh tender and of good quality. Pkt. 5 cts., oz. 10 cts., 1/4 lb. 30 cts., lb. $1.

Mammoth Summer Crookneck. A fine early variety of the crookneck type with vines of bush habit, large and vigorous. The fruits, when mature, are often 1 1/2 to 2 feet long, with an exceedingly warty, golden yellow flesh. Pkt. 5 cts., oz. 15 cts., 1/4 lb. 40 cts., lb. $1.25.

Vegetable Marrow. This is the favorite English variety, bearing dull yellow, oblong fruits, 10 to 15 inches in length. The flesh is tender, marrowy, and delicious. The fruits should be used before fully grown. Pkt. 5 cts., oz. 10 cts., 1/4 lb. 30 cts., lb. $1.

White Bush Scalloped, or Patty Pan. This is the well-known early, somewhat flattened, scalloped bush Squash of medium size. The color is creamy white with slightly warty surface. Fruits are vigorous and productive. Pkt. 5 cts., oz. 10 cts., 1/4 lb. 30 cts., lb. $1.

SUMMER VARIETIES, continued


WINTER VARIETIES

Boston Marrow. A very prolific fall and winter Squash of medium to large size and oval shape. The thin skin is orange-yellow in color; flesh is rich salmon-yellow, fine-grained and of excellent flavor and quality. Pkt. 5 cts., oz. 15 cts., 1/4 lb. 40 cts., lb. $1.25.

Chicago, or Warted Hubbard. An improved strain of the original Hubbard Squash, round in shape with elongated ends, very large, and heavily warty, with a hard shell. The rough skin is uniformly dark olive-green in color; flesh is bright orange-yellow, fine-grained, thick, dry, and richly flavored. Our stock is very excellent. Pkt. 5 cts., oz. 15 cts., 1/4 lb. 40 cts., lb. $1.25.

Delicata. An excellent fall and early winter sort producing an enormous crop of oblong fruits, 10 inches long and about 4 inches in diameter, of an orange-yellow color striped with green. An excellent keeper. Pkt. 5 cts., oz. 15 cts., 1/4 lb. 40 cts., lb. $1.25.

Golden Hubbard. Vines are vigorous and productive, producing fruits of medium size weighing from 6 to 8 pounds and of the Chicago Hubbard shape, but decidedly earlier than that variety. The shell is warty, hard, strong, and of a fine orange-red color, except for a bit of olive-green at the blossom end. Flesh deep orange, dry, fine-grained, and of fine flavor. An excellent keeper and can easily be held over for spring use. Pkt. 5 cts., oz. 15 cts., 1/4 lb. 40 cts., lb. $1.25.

Improved or Smooth Hubbard. One of the best varieties to grow. Large and of Chicago Hubbard shape but very slightly warty. Hard tough shell of dark green color, and very rich fine-grained tender flesh. A fine keeper. Pkt. 5 cts., oz. 15 cts., 1/4 lb. 40 cts., lb. $1.25.

Mammoth Chili. This is a very large-fruited variety with quite smooth orange-yellow skin but covered with a broad open netting. The flesh is very thick, of a rich yellow color, fine-grained and sweet. This variety will attain very great size under special cultivation. Pkt. 5 cts., oz. 15 cts., 1/4 lb. 50 cts., lb. $1.50.

Farr's White Bush Scalloped Squash

Chicago, or Warted Hubbard Squash
Tomato One ounce will produce from 1,000 to 2,000 plants

Tomatoes do best on light, warm, not over-rich soil, and success depends largely upon securing a rapid, vigorous, and unchecked growth during the early part of the season. Sow in hotbed or window-box (where 60 degrees Fahrenheit is the minimum night temperature) in March in rows 5 inches apart and 1½ inches deep. Cover firmly. Later sowings may be made to the end of April. When seedlings are 3 inches high, transplant to 4 inches apart each way, either in other hotbeds, in cold frames, or directly in 2-inch pots. Harden plants by exposing to the air occasionally. After warm weather is settled, about May 15 in the latitude of New York City, set out plants 3 to 4 feet apart each way in hills into each of which a shovelful of fertilizer has been previously mixed. Water freely at time of transplanting and shelter from sun until plants are well established. Full cultural directions on every bag.

Beauty. Vines are large, vigorous, and productive. Fruits are large, purplish pink, smooth, round, uniform, in size, very solid, and of excellent quality. One of the best for canning. Stalk is large, and heavy. Pkt. 3 cts., oz. 25 cts., $1/4 lb. 80 cts., lb. $2.75.


Chalk's Early Jewel. Valuable for second-early. Vines are vigorous and very productive. The fruits are bright deep scarlet-red, nearly round or somewhat flattened, smooth, of large size and excellent quality. Pkt. 1 lb. $1, lb. $3.50.

Duke of York, or Buckeye State. One of the best late purplish pink sorts. Fruits are of a blight-resisting nature. The fruits are very large, round, smooth, and firm. Pkt. 10 cts., oz. 30 cts., $1/4 lb. $1.50.

Dwarf Champion. Sometimes known as the "Tree Tomato." The vines of this second-early purplish pink Tomato are upright, compact, and vigorous, about 2 feet in height and scarcely need any support. Fruits are medium-sized, smooth round but slightly flattened at stem end. Pkt. 10 cts., oz. 35 cts., $1/4 lb. $1, lb. $3.50.

Dwarf Star. Vines are dwarf, vigorous, and very productive. It is a late-maturing sort with large, smooth, bright red, very solid fruits with thick meaty walls and of fine flavor. Produced in clusters of three to five and vines are close jointed. Pkt. 10 cts., oz. 35 cts., $1/4 lb. $1, lb. $3.50.

Earliana. Fine for extreme earliness as well as size, shape, color, and quality. Fruits are smooth, nearly round, medium to large, bright deep scarlet, and are borne in clusters near the base of the plant. Vines are medium size and productive. Pkt. 10 cts., oz. 35 cts., $1/4 lb. $1, lb. $3.50.

Early Detroit. One of the largest and best of the early purplish pink varieties. It is not only the most productive but the finest of fruit, freedom from cracking and freedom from tendency to blight, it has been found to meet the most exacting requirements. The vines are vigorous and very productive. Fruits are large, round, uniform in size, nearly globe-shaped, firm, and of excellent quality. Pkt. 10 cts., oz. 40 cts., $1/4 lb. $1.10, lb. $4.

John Baer. A fine extra-early variety of a bright red color, of perfect round shape, free from core, with very few seeds and a mild sweet flavor, and ripening right up to the stem. Vines are very vigorous and productive, fifty to one hundred fruits to a plant. Pkt. 10 cts., oz. 50 cts., $1/4 lb. $1.50, lb. $5.

June Pink. An extra-early, purplish pink variety similar to Earliana except the color. A valuable variety for those who want a very early purplish pink Tomato. Pkt. 10 cts., oz. 35 cts., $1/4 lb. $1, lb. $3.50.

King of the Earlies. This very fine early variety produces large red, smooth fruits borne in clusters on small but very productive vines. It is a little later than the Earliana but fruits are large and more attractive in appearance. The flesh is very firm and solid. Pkt. 10 cts., oz. 35 cts., 1/4 lb. $1/4 lb. $1, lb. $3.50.

Livingston's Globe. A large purplish pink variety of excellent quality. The shape is very nearly round or globe-shaped with a pronounced elongation at the flower end. The vines are vigorous and productive. The fruits are very large, nearly round, and of very fine quality. Pkt. 10 cts., oz. 40 cts., 1/4 lb. $1, lb. $4.

Matchless. One of the best and most popular for main planting. Large, very smooth, and symmetrical, ripening well to the stem, solid, and of a bright red color. Bears continuously throughout the season. Pkt. 10 cts., oz. 30 cts., 1/4 lb. 85 cts., lb. $3.

Noll's New Discovery. One of the earliest large, smooth, scarlet Tomatoes, symmetrical, of attractive appearance, and producing very large fruits. Vines medium-sized, vigorous, and productive. The fruits are borne in clusters and are firm, solid and thick-fleshed with small seed-cavity. Pkt. 10 cts., oz. 40 cts., 1/4 lb. $1.10, lb. $4.

Ponderosa. If you are anxious to obtain the largest Tomato in existence, we recommend this one. The vines are vigorous and tall growing, and extremely productive. The purplish pink fruits are very solid with few seeds, fairly smooth, and considered of very good quality by those who prefer a Tomato quite free from acid. Ripens about mid-season. Desirable for slicing. Pkt. 10 cts., oz. 50 cts., 1/4 lb. $1.50, lb. $5.

Red Cherry. This pickling and preserving strain produces small fruits about 3/8 inch in diameter, perfectly round, and smooth. Pkt. 10 cts., oz. 30 cts., 1/4 lb. 85 cts., lb. $3.

Red Rock. One of the best mid-season red Tomatoes. It is very prolifically produced on strong disease-resistant plants. The fruits are of medium size, smooth, very thick fleshed, and of excellent quality. Pkt. 10 cts., oz. 30 cts., 1/4 lb. 85 cts., lb. $3.

Stone, Selected. One of the largest and most solid main-crop or late bright red Tomatoes. Vines are large, very productive, and strong-growing. One of the best canning varieties. Fruits are large, nearly round, somewhat flattened, smooth, uniform, and of good flavor. Pkt. 10 cts., oz. 30 cts., 1/4 lb. 85 cts., lb. $3.

Yellow Plum. Fruits small, plum-shaped; flesh finely flavored and yellow. A good preserving variety. Pkt. 10 cts., oz. 30 cts., 1/4 lb. 85 cts., lb. $3.
**TURNIP**

Turnips do best in a highly enriched, freshly stirred, light or sandy soil. Sow the earliest varieties in April, in the latitude of New York, in rows from 1 to 1½ feet apart. Cover firmly with ½ inch of fine soil. For a succession sow at intervals of a fortnight until the last week in May for early crop; and from August to September for late crop. The plants can be cut to 4 to 5 inches in the row. Turnips may also be lifted before frost. For winter keeping, store the Turnips in a cool cellar and cover with sand or turf to keep them fresh. We print full cultural directions on every bag.

**WHITE-FLESHED VARIETIES**

*Cowhorn.* This fine-grained, well-flavored, white-fleshed variety is a rapid grower, well adapted for fall and early winter use. A very productive variety and is desirable for stock-feeding. Roots are 12 to 16 inches long and 2 to 3 inches in diameter, cylindrical in shape but ending in a point, and slightly crooked. Color is white with greenish tinge at top. Pkt. 5 cts., oz. 10 cts., ½ lb. 25 cts., lb. 75 cts.

*Early Purple Top Milan.* The earliest Turnip in cultivation, with medium-sized, very much flattened round roots, smooth, and white with a purple-red top. Leaves short and scarce. This sort is well adapted to forcing. Pkt. 5 cts., oz. 10 cts., ½ lb. 30 cts., lb. $1.

*Early White Milan.* A remarkably early Turnip and one of the best for forcing. Root clear white, very smooth, flat, and symmetrical. Flesh white and tender. Leaves fine, very short, and entire. Roots best when about 2 inches in diameter. We highly recommend this Turnip. Pkt. 5 cts., oz. 15 cts., ¼ lb. 40 cts., lb. $1.25.

*Purple Top, Strap-leaved.* A very early strap-leaved variety having scant, erect, entire, stiff leaves. Roots are regular in shape, flat and medium-sized, purple-red above ground, white below. Flesh is white, fine grained, and tender. Best when 2½ inches in diameter. Pkt. 5 cts., oz. 10 cts., ¼ lb. 20 cts., lb. 65 cts.

**PURPLE TOP WHITE GLOBE.** This excellent variety is of a perfect globe shape, of good size and fine appearance. The roots produced by our stock are extremely uniform and of attractive color, being white below the ground and purple on the upper half of the roots. The leaves are very broad, little divided, and dark green. Flesh is white, fine grained, and tender. Roots best when 3 inches in diameter. A very productive variety and an excellent keeper. We enthusiastically call your attention to our stock of this splendid Turnip. Pkt. 5 cts., oz. 10 cts., ¼ lb. 25 cts., lb. 75 cts.

**YELLOW FLESHED VARIETIES**

*Golden Ball, or Orange Jelly.* One of the most delicate and sweet yellow-fleshed Turnips to be had. Roots are medium-sized, round, smooth and very deep yellow. Flesh is golden yellow, sweet, firm, and of fine texture. Best for use when about 3 inches in diameter. Tops are small. An early variety of rapid growth adapted to both spring and fall planting. Pkt. 5 cts., oz. 10 cts., ¼ lb. 30 cts., lb. $1.

*Purple Top Yellow Aberdeen.* This is a medium-sized, round, late-maturing, yellow-fleshed Turnip. The roots are yellow with a purple top and are excellent keepers. The flesh is pale yellow, of very firm texture, but tender and sweet. It is hardy and productive. As it requires longer to mature, we advise you to sow the seed two weeks earlier than most sorts. Pkt. 5 cts., oz. 10 cts., ¼ lb. 25 cts., lb. 75 cts.

*Yellow Globe Green Top.* A yellow-fleshed globe-shaped variety of medium size, smooth and of light yellow color with small green crown. Flesh is light yellow, fine-grained, and sweet. A fine keeper and heavy cropper. Pkt. 5 cts., oz. 10 cts., ¼ lb. 25 cts., lb. 75 cts.

*Yellow Stone.* Roots of medium size, of a perfect globe shape, smooth, and of an attractive pale yellow color. Flesh is pale yellow, crisp, tender, and of good quality, best for table use when about 4 inches in diameter. Very largely used for stock-feeding. Pkt. 5 cts., oz. 10 cts., ¼ lb. 25 cts., lb. 75 cts.

**RUTABAGA, or SWEDE**

Rutabaga does best in a well-enriched soil. Sow the seed in July, in the latitude of New York City, thinly in rows 2 to 2½ feet apart. Cover firmly with ½ inch of fine soil. Thin plants when well started to stand 4 to 6 inches apart in the row. Give constant cultivation during growth. Rutabagas grow to a large size with more solid flesh than the early Turnips but they require a longer time to mature. When roots are full grown and before hard freezing weather, pull them and cut off tops. Store in cool cellar and cover with sand or turf to keep them fresh. We print full cultural directions on every bag.

**LONG ISLAND IMPROVED.** The very finest purple top Swede or Turnip grown. Roots are elongated-globular in shape, of fine quality, pale yellow with a purple top, with a smaller top and much shorter neck than any other variety. We recommend it as the best sort. Fine for stock-feeding. Pkt. 5 cts., oz. 10 cts., ¼ lb. 25 cts., lb. 75 cts.

*White Rock.* An excellent keeper and very desirable for table use or stock-feeding. Tops are small with leaves curled on the edges. Give a well-drained bed, protecting what top-shaped with small neck; color white with a shade of green at the top; flesh white, firm, and sweet. Pkt. 5 cts., oz. 10 cts., ¼ lb. 30 cts., lb. 90 cts.
HERBS, SWEET, POT AND MEDICINAL

CULTURE.—Most Herbs thrive best on light, sandy soil. Sow early in the spring in carefully prepared and thoroughly cultivated ground. Plant shallow and press soil down firmly.

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<th>Herbs</th>
<th>Pkt</th>
<th>Oz</th>
<th>lb</th>
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<tr>
<td>Tansy</td>
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VEGETABLE AND FLOWER PLANTS

For the convenience of those who prefer to use plants, and those who have been too late to start their gardens from seed, we offer the following list of strong, sturdy greenhouse-grown plants, ready for use at about the date indicated after each kind. The prices do not include postage. When ordering, please allow 10 cents per dozen to cover the postage, on all varieties excepting chives, and tarragon, for which allow 10 cents each. Orders for 100 will be sent by express at purchaser's expense.

VEGETABLES

<table>
<thead>
<tr>
<th>Doz.</th>
<th>Cabbage. Ready April 1</th>
<th>$0.15</th>
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<tr>
<td></td>
<td>Cauliflower. Ready April 1</td>
<td>20</td>
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<td></td>
<td>Celery. Ready July</td>
<td>15</td>
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<td></td>
<td>Chives</td>
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<td>Eggplant. Ready May 15</td>
<td>90</td>
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<td></td>
<td>Horse-Radish. Ready March 15</td>
<td>15</td>
<td>0.75</td>
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<td></td>
<td>Kohlrabi. Ready May 15</td>
<td>15</td>
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<td></td>
<td>Lettuce. Ready April 1</td>
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<td></td>
<td>Pepper. Ready May 15</td>
<td>15</td>
<td>1.75</td>
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</tbody>
</table>

Sweet Potato. Ready June 1. $0.15
Tomato. Ready May 1. $0.25

FLOWERS

| Aster                        | 25 | 1.75 |
| Cosmos                      | 25 | 1.75 |
| Marigold. Ready May 1       | 25 | 1.75 |
| Salvia. Ready May 1          | 50 | 3.50 |

FIELD CORN

DENT VARIETIES

Droughtproof. This is an early Yellow Dent of great merit, which originated in Ohio. The introducer claims: “It is the largest-grained and has the smallest cob of any Yellow Dent Corn. Brightest colored grain. Fully as early as Leaming. Yield not excelled by any other sort. Strong growth of stalk and handsome ear. An unusual yield of shelled Corn insured by depth of grain. It withstands drought better than other varieties. All points considered, it is the best 90- to 100-day Corn on the market. We have stock direct from Ohio. Pk. 80 cts., bus. $2.75.

Eureka. An early, large-eared Yellow Dent Corn; grains are very deep, good orange color, cob small; matures early, a week or 10 days later than the Leaming. Productive; good large fodder. Pk. 85c., bus. $3.00.

Learning. Very early and prolific; ears of good size; grain of good color, very heavy; popular for ensilage purposes. We know of no better sort for this use, especially in the North. Pk. 80 cts., bus. $2.75.

IMPROVED MASTODON. Considered the earliest and best of all the large-eared sorts. It matures very early, grows a very large ear, deep grain, and of good color. It will grow a crop farther north than any other large Dent variety, and will produce more bushels per acre than any Corn we know of. It matures in from 96 to 110 days, far ahead of Golden Beauty. We offer headquarters stock direct from Ohio. Pk. 80 cts., bus. $2.75.

Golden Beauty. A broad-grained, large-eared variety, maturing in about 120 days. Cob is small, grain very heavy and beautiful golden yellow. Very popular in New Jersey. Pk. 80 cts., bus. $2.75.

SWEET FODDER CORN

For feeding and cutting in summer, this provides a most satisfactory fodder. Every part of the plant above ground is digestible; so for an economical fodder and increaser of milk-flow there is none better. Sow broadcast, 2 bushels per acre. Bus. $4, 10-bus. lots at $3.90 per bus.

FLINT VARIETIES

Canada Yellow. Old but still popular. Matures in 90 days, and is always reliable. Ears are of good length, containing eight rows of large, yellow grains. Also grows a good fodder. Will mature where other varieties fail. Grows on poor land and gives large crops. A popular New England Corn. Pk. 80 cts., bus. $2.75.

Large White. Large, handsome, well-filled ears; grain white. Will mature early and give good satisfaction. Pk. 75 cts., bus. $2.50.

Longfellow. The longest ear of all the Yellow Flint Corn; will ripen as far north as Massachusetts. A good yielder. Pk. 80 cts., bus. $2.75.
LAWN GRASS SEED
OUR MIXTURES ARE UNSURPASSED

FREE DELIVERY OF LAWN GRASS MIXTURES. While we cannot deliver free of transportation all the goods we offer, we do so in the case of Lawn Grass Mixtures.

We will deliver our Lawn Grass Mixtures free of transportation in the United States, by mail, express, or freight, at our option, at the prices mentioned in this catalogue.

We shall be pleased to correspond with anyone wishing advice in the formation of lawns and golf-courses.

THE “FORBES” LAWN GRASS SEED
See illustration, back cover

We claim and know that the “Forbes” Lawn Grass is the cleanest, thriftiest, and most verdant on sale today. Letters from our customers in many parts of America corroborate our statement, and the increased sales of last year prove the superiority of our seed over all others, for quickest and most permanent results. The cost of seed to the purchaser should be of the least consideration to thinking customers. The “Forbes” Lawn Grass is composed only of dwarf, evergreen, perennial, thick-swarding sorts of the choicest quality and perfectly hardy—blended in such proportions as to secure an even turf and an everlasting verdure.

Nothing is more pleasing to the eye than a good lawn, be it large or small, on the millionaire’s property or in the yard of the cottager, and this can best be had by sowing the “Forbes” at a trifling cost. In preparing this mixture, the expense to ourselves has been slightly considered in our endeavor to offer for sale the best procurable, and we are satisfied we have succeeded in listing the purest Lawn Grass Seed ever catalogued. Qt. 30 cts., 2 qts. 55 cts., 4 qts. $1, pk. $1.75, b.s. of 20 lbs. $5. Delivered free of transportation in the United States by mail, express, or freight, at our option.

BRANCH BROOK PARK LAWN GRASS SEED

Named after one of our large city parks, where it has been used for a number of years. To customers who do not wish our highest priced mixture, we can recommend this brand, as it is deservedly popular. Will produce a fine lawn in 6 to 8 weeks. Qt. 25 cts., 2 qts. 45 cts., 4 qts. 85 cts., pk. $1.50, bus. of 20 lbs. $5. Delivered free of transportation in the United States by mail, express, or freight at our option.

HOW AND WHEN TO SOW. The soil should be rich and carefully prepared by being well pulverized. Sow the seed when the ground is fairly moist, but not too moist, and roll after seeding, if possible. If any re-seeding is done, do it before rolling. All lawns are much benefited by frequent mowing, but do not cut too close in hot, dry weather or about the time the ground freezes. One quart will seed 300 square feet. Five bushels will seed an acre of new ground; about half these quantities for re-seeding or renovating after the ground has been scratched with a rake or otherwise prepared. The time to sow Lawn Grass Seed is in the spring or fall.
NOLL’S SHADY PLACE LAWN GRASS SEED

This contains a majority of the Grasses which in their natural state are found growing in shady places and in the woods. Shaded locations caused by overhanging large trees, buildings, etc., are not easily treated, and it is difficult to secure a successful result, but we have combined a mixture of Grasses producing an evergreen sward which does well in shaded places. The varieties used are all dwarf-growing, hardy perennial sorts and seed should be sown liberally, say 5 bushels per acre. An application of air-slaked lime at the rate of 40 bushels per acre is good on such shady places as are to be sown with this mixture, especially if the land is wet or moss-grown, indicating "sourness." Qt. 30 cts., 2 qts. $1.75, pk. $1.75, bus. of 20 lbs. $6. Delivered at our expense.

NOLL’S TERRACE LAWN GRASS SEED

Prepared from quick-growing, drought-resistant Grasses which produce a network of long roots and grow to a good depth, preventing washing out, etc. This mixture comprises many fine-leaved Grasses which are to be found growing naturally on light soils, and is admirably adapted for growing on hillsides and embankments. Qt. 30 cts., 2 qts. 55 cts., 4 qts. $1, pk. $1.75, bus. of 20 lbs. $6. Delivered at our expense.

NOLL’S GRASS MIXTURE FOR GOLF-COURSES

We shall be pleased to hear from greens committees and advise them as to the best methods to attain satisfactory results. We have made a close study of Grasses and shall be willing to give our clients the benefit of our knowledge and experience. We claim to be specialists in this line and invite correspondence. See illustration, back cover.

“PUTTING-GREEN” GRASS SEED. For sowing new and renovating old greens. Lb. 28 cts., 100 lbs. $26.

“FAIR GREEN” GRASS SEED. Equally valuable for sowing new greens and renovating old ones. Lb. 26 cts., 100 lbs. (enough for an acre) $24.

NOLL’S PERMANENT PASTURE AND HAY MIXTURE

A mixture of varieties which will form a permanent pasture that lasts for years. Composed chiefly of native grasses and grasses which have been acclimated, and which, after trial, have been found to be best adapted for the purpose. These grasses are blended in their proper proportions to give the desired results. Sow on new land which has been plowed and harrowed, at the rate of 50 pounds per acre; on ground partly covered with grass, 30 pounds per acre. Bus. of 14 lbs. $2.70, 50 bus. $2.60 per bus., 100 bus. $2.50 per bus. See illustration, back cover.

Humus. Many a lawn that has been well-nigh perfect in its day may, from neglect, be allowed to “run down” and be sadly in need of renovation. To get fresh and clean Lawn Grass Seed is comparatively easy, but when you need fresh, clean soil wherewith to top-dress the lawn, it is almost impossible to get it without getting at the same time a crop of weeds, many of which—plantain, dock, and dandelion—are hard and expensive to eradicate. Even stable manure has the same objection unless it has been well decomposed. This is where “Humus” will be found to supply a long-felt want. It is positively free from weeds and all vegetable life, is black and rich and fine, easily applied, and not costly. It is high in available nitrogen and other plant foods, retains moisture remarkably well, and is perfectly odorless. It is the very best material for top-dressing lawns and for indoor use in conservatories, boxes, and pots, or for beds and borders out-of-doors.


Agricultural Seeds

Prices subject to change without notice

CLOVERS.

Alfalfa. Can ultimately be cut three or four times a year, yielding heavily each cutting. Do not plant on heavy soil. Must be thoroughly prepared by deep plowing and harrowing until it is in fine condition. It roots deeply and is a great nitrogen gatherer. Sow 20 to 30 pounds per acre. Lib. 28 cts., 100 lbs. $26.

Alsike, or Swedish. A cross between Red and White, and the hardest sort; valuable for lasting pasturage. It is very sweet and fragrant. Bees obtain much honey from this Clover. Sow 6 pounds per acre. Lib. 30 cts., 100 lbs. $28.

White. Valuable for lawns, pastures; also for bees. Sow 4 pounds per acre with grasses, or 6 pounds if alone. Lib. 70 cts., 100 lbs. $65.

Maro Clovers. Red Pea. Very robust, red sort, good for plowing under. Sow in spring, 12 to 14 pounds per acre. Lib. 36 cts., 100 lbs. $34.

Red. Planted wherever grass is grown. Sow in spring, 12 to 14 pounds per acre. Lib. 32 cts., 100 lbs. $30.

Scarlet, or Crimson. Sown in the fall and plowed under in spring it is a very valuable green manure. It roots deeply and places in the soil an abundance of nitrogen. Sow 15 to 20 pounds per acre. Lib. 24 cts., 100 lbs. $22.

Mint Permanent Clovers. These, on account of their greater weight, should be sown separately immediately after the grass seed in the spring. Clovers should never be sown in the fall. This Clover mixture contains the above varieties. Sow 10 pounds per acre. Lib. 38 cts., 100 lbs. $35.

JAPANESE BUCKWHEAT. Enormous yielder; early, large grain; acclimatized seed, grown from genuine imported stock. Sow 1 bushel per acre. Bus. (48 lbs.) $2, 10 bus. $19.

Millet.

German, or Golden. Medium early; 3 to 5 feet high; heads compact and well filled; large spikes. Seed round and bright golden color. For hay, sown broadcast, 1½ to 1 bushel per acre; for seed, plant in drills, ½ to ¾ bushel per acre. Plant from May to August, according to location. Bus. (50 lbs.) $2.75, 10 bus. $26.

Hungarian. Sow in June; cut in about 60 days. Will yield 2 to 3 tons of hay per acre. Withstands heat and drought well. Plant about ¾ to 1 bushel per acre. Bus. (48 lbs.) $3.75, 10 bus. $36.

Millet, Japanese. Grows 6 to 7 feet high; makes valuable forage, and is the greatest yielder of all the Millets. Sow about 15 pounds per acre. Lib. 12 cts., 100 lbs. $10.

OATS.

White Tartar. Heads are very large, well filled with large kernels; straw very stiff and strong, standing up well in bad weather. This side-oat variety has outyielded any other in field crops. We have the pure selected stock. Bus. (32 lbs.) $1.90, 10 bus. $18.

White Swedish. Large, heavy, stands freely; stout straw. Bus. (32 lbs.) $1.80, 10 bus. $17.

PEAS.

Canada White Field Peas. Exceptionally hardy and valuable for early spring sowing; very prolific. Pl. $1.25, bus. (60 lbs.) $4.50, 10 bus. $43.50.

Cowpeas. A first-class green fertilizer; does well on all soils and under adverse conditions. Sow 2 bushels (120 lbs.) per acre.

Black-Eyed. Bus. $4.40, 10 bus. $42.50.

New Era. Bus. $4.25, 10 bus. $41.50.

RAPE, Dwarf Essex. Valuable as a soil enricher. Plant in June or July in drills at the rate of 3 pounds per acre, broadcast 3 or 5 pounds per acre. Lib. 14 cts., 100 lbs. $12.

RYE.

Spring. A fine catch crop to plant where fall-sown grain has failed. 1½ bushels per acre. Bus. (56 lbs.) $2.85, 10 bus. $27.


SOJA BEANS, Medium-Early Green. Invaluable for plowing under for green manure or can be cut green for feed. Sow July 1. The grain is a rich milk producer. Sow 1 bushel per acre. Bus. (60 lbs.) $5, 10 bus. $48.

VETCHES, or TARES, Winter, Hairy, or Sand. Plant in fall; hardy and productive; a fine cover crop. Plant alone, 1 bushel per acre; or with rye, ¾ bushel of Vetch and ¼ bushel of rye per acre. Cut for forage before seed sets, it will produce a second crop. Lib. 28 cts., 100 lbs. $25.

WHEAT.

Spring. An excellent catch crop where fall-sown seeds have failed; useful for sowing with grasses. Sow 1½ bushels per acre. Bus. (60 lbs.) $3.50, 10 bus. $34.

Winter. All standard sorts. Prices on application.

Grasses

We endeavor to supply only the best grades of all Grasses and clovers. Please bear this in mind when comparing our prices with those of others. There are many grades, and prices are often far apart. We have only one grade—"the best." Prices below are net figures January, 1917, and are subject to market changes.

Awnless Brome Grass (Bromus inermis). Does well on dry poor soils. Lib. 25 cts., 100 lbs. $22.

Bermudgeon (Bromus inermis). Valuable for southern states. Lib. 70 cts., 100 lbs. $65.

Canada Blue Grass (Poa compressa). Good for steep places. Lib. 20 cts., 100 lbs. $18.

Creeping Bent (Agrostis stolonifera). Fine for lawns or moist places. Lib. 70 cts., 100 lbs. $68.

Crested Dog's-tail (Cynosurus cristatus). Good for lawns. 30 pounds per acre. Lib. 40 cts., 100 lbs. $35.

English Ryegrass (Lolium perenne). Perennial. Sow 30 to 40 pounds per acre. Lib. 14 cts., 100 lbs. $12.

Fine-leaved Sheep's Fescue (Festuca ovina falcata). Dwarf. Lib. 70 cts., 100 lbs. $68.

Hard Fescue (Festuca vivipara). For sandy soil and under trees. 30 pounds per acre. Lib. 45 cts., 100 lbs. $42.

Italian Rye Grass (Lolium italicum). Rapid grower. 50 pounds per acre. Lib. 16 cts., 100 lbs. $14.

Kentucky Blue Grass (Poa pratensis). Desirable for lawns. 60 pounds per acre. Lib. 25 cts., 100 lbs. $22.

Meadow Foxtail (Alopecurus pratensis). Is highly relished by stock. Lib. 75 cts., 100 lbs. $70.

Meadow Fescue (Festuca pratensis). Permanent pastures. Sow 50 pounds per acre. Lib. 22 cts., 100 lbs. $5.

Orchard Grass (Dactylis glomerata). Fine for pastures. 45 pounds per acre. Lib. 40 cts., 100 lbs. $35.

Red Fescue (Festuca rubra). Very fibrous rooted; forms a thick, close sod. Lib. 45 cts., 100 lbs. $42.


Red Top, Ordinary. Weights only 14 pounds per bushel. 50 pounds per acre. Lib. 20 cts., 100 lbs. $18.

Rhode Island Bent (Agrostis canina). 40 pounds per acre. Lib. 65 cts., 100 lbs. $60.

Sheep's Fescue (Festuca ovina). Does well in dry soils. Sow 50 pounds per acre. Lib. 48 cts., 100 lbs. $42.

Tall Fescue (Festuca elatior). Good for wet or clay soils. Lib. 65 cts., 100 lbs. $60.

Tall Meadow Oat Grass (Avena elatior). Valuable for hay. Lib. 35 cts., 100 lbs. $32.


Wood Meadow Grass (Poa nemoralis). Sow 28 pounds per acre. Lib. 55 cts., 100 lbs. $50.
**Choice Flower Seeds**

We make a specialty of sending out only choice varieties of flower seeds, which are grown for us by experts in this line. We do not send out seeds carried over from previous seasons, but seeds we get fresh every year. We have thousands of satisfied customers who purchase their flower seeds from us, as well as other seeds. Send us an order and be one of our satisfied customers.

**DIRECTIONS FOR CULTURE AND TREATMENT**

**Hardy Annuals (H.A.)**. Sow in April or May, according to the latitude, in shallow boxes or pots placed in a warm window, a hotbed, or if possible, in a greenhouse. A second sowing ought to be made from two to four weeks after for a succession, as well as to provide against failure of the first time. There is nothing better in which to sow the seeds than shallow boxes from 2 to 3 inches deep, and of any convenient size. After the seeds are up, care must be taken to give them plenty of air and moisture, yet not too much water, or they will "damp off." When the young plants are well out of the seed-leaf, they must be transplanted to new boxes. As soon as the growth is large enough they may be easily turned out and planted singly.

**Hardy Biennials (H.B.) and Hardy Perennials (H.P.).** These require the same treatment as the Hardy Annuals. In addition to the above, both Hardy Biennials and Perennials may be sown in the open border from July to September. It is a good plan, at the commencement of frost, to cover the plants lightly with straw, leaves, or any dry litter, in order to afford some protection from the extreme severity of the winter. As soon as the frost is out in the spring, remove the covering and loosen the surface around the plants, which, when large enough, may be transplanted to the border or flower-garden where they are to permanently remain.

Annuals attain full growth, flower and die in one year. Biennials grow from seed one year, bloom and die the next; though some varieties bloom the first season when sown early;

Perennials last for several years, blooming annually after the first season; though some varieties will bloom the first season if sown early.

**NOVELTIES AND SPECIALTIES OF MERIT**


**ANTIRRHINUM** (Snapdragon). Double White. A new double variety of the tall-flowering Snapdragon. The flowers are white and are borne on long spikes. An excellent cut-flower for vases. H.B. 1 to 2 ft. Pkt. 10 cts.

**Double Yellow.** This is a new variety producing double flowers of a brilliant canary-yellow, and possesses in other respects the same remarkable attributes as the above. H.B. 1 to 2 ft. Pkt. 10c.


**CAMPANULA PRAECOX**, Mixed. A new and excellent variety of Canterbury Bell, blooming from two to three weeks earlier than the older sorts. H.P. 1 to 2 ft. Pkt. 15 cts.

**COSMOS, DOUBLE CRESTED.** This beautiful new strain of Cosmos is most striking in color. A large percentage comes true from seed both as to color and doubleness. We offer this in two colors, White Queen and Pink Beauty. Each, pkt. 15c.

**GERBERA JAMESONII** (Scarlet Transvaal Daisy). An excellent flower, growing to the height of 2 to 3 ft.; of a deep scarlet shade. Fine for cutting. H.H.P. Pkt. 15 cts.

**Jamesonii hybrida.** Fine new hybrids, varying from pure white through shades of yellow, pale to red, and salmon-rose, cherry-red, etc. H.H.P. 2 to 3 ft. Pkt. 15 cts.

**GYPSOPHILA MURALIS ALBA.** A distinct variety of G. muralis, possessing all the great qualities of the rose-blooming type, but with snow-white flowers. H.A. 2 to 3 ft. Pkt. 15 cts.

**PENTSTEMON HARTWEGII** (P. gentianoides albus). The plants of this fine new variety attain a height of about 2½ feet, producing pure white flowers borne on long spikes. H.P. Pkt. 15 cts.

**PETUNIA, BALCONY.** In Europe, few plants have grown in favor so rapidly as the Petunia, Balcony, which, by its great luxuriance and persistence of bloom, its luxuriant growth and freely branching habit, is remarkably suited for windows, pergolas, and balconies. We offer it in three colors. H.A. 1 ft. White, Rose, Dark Red. Each, pkt. 20 cts.

**POPPY, TULIP.** (Papaver glaucum). Although this is not a new variety of Poppy, ours is an improved strain and should have a place in every garden. In habit it resembles a large slip. It is a shade of bright scarlet, a black spot appearing at the bottom of each petal. H.A. 1 to 1½ ft. Pkt. 10 cts. (See front cover.)

**SALVIA SPLENDENS COMPACTA ALBA.** A new variety of a white color. H.A. 1½ ft. Pkt. 10 cts.

**SUNFLOWER, NEW RED.** The plant is of freely branching habit, producing numerous well-shaped, dark-centered, brilliant flowers, banded with bright chestnut-red, mostly merging to yellow at the tips of the petals. H.A. 3 to 4 ft. Pkt. 10 cts.
NOLL’S ASTERS

Asters are of very easy culture. Seed can be sown in the open ground in May, for blooming during September and October. For earlier blooms sow in March or April in hotbed, coldframe, or boxes in the house. Do not cover seed more than one-quarter of an inch. H.A.

GIANT COMET, or POODLE. Flowers of immense size, often 6 inches across. Long, wavy, twisted petals, gracefully formed into loose yet dense half-globes resembling Japanese chrysanthemums. 12 to 16 in.
White, Bright Rose, Dark Violet, Azure- Pkt. Blue, Crimson-Yellow........... Each, $0 10
Mixed.................. ½oz. 35 cts., oz. $1.25... 10

HOHENZOLLERN. A very splendid sort for cutting; about 18 inches tall.
White, Rose, Dark Blue, White passing to Pkt.
Rose........................................ Each, $0 10
Mixed.................. ½oz. 85 cts.,... 10

NOLL’S IMPROVED VICTORIA. Our strain of this type is undoubtedly the finest in existence. Flowers large, perfectly double; each petal elegantly overlapping and beautifully imbricated; plants of pyramidal form. 18 in.
Pure White, Crimson, Light Blue, Violet, Pkt.
Peach Blossom............................... Each, $0 10
Mixed.................. ¼oz. 75 cts.,... 10

QUEEN OF THE MARKET. Best early Aster in cultivation. Usually in bloom two weeks before most other sorts. 1 ft.
White, Crimson, Pink, Blue............ Each, $0 10
Mixed. All colors .......................... ¼oz. 35 cts., oz. $1... 10

SEMPLE’S LATE BRANCHING. Superior to any other class of late-flowering, branching Asters. Flowers large, 4 inches across, very double, and are borne on long stems. 18 to 24 in.
White, Lavender, Shell-Pink, Crimson, Pkt.
Purple, Yellow............................ Each, $0 10
Mixed.................. ½oz. 30 cts., oz. $1... 10

THE VICK ASTERS. Unsurpassed for cutting.
Purity. White............................... 10
Daybreak. Pink............................. 10
Sunset. Light Pink.......................... 10

NOLL’S MAMMOTH CHRYSANTHEMUM-FLOWERED. They combine more points of merit than any other one class of Asters, bearing extraordinarily large hemispherical double flowers, averaging 5 inches in diameter, of the most symmetrical form. They are of great durability, the petals being of splendid substance, withstandiing storms, rains, and hot suns better than any other Aster. 20 in.
White. Pure satiny white; fine form......................... $0 10
Scarlet. Magnificent, glowing crimson-scarlet............ 10
Peach Blossom. Extra fine, lovely, bright rose........... 10
Light Blue. Beautiful, light azure-blue................... 10
Mixed. All colors................................... ¼oz. 75 cts., oz. $2.50... 10

TRUFFAUT’S PEONY-FLOWERED. Flowers very large, from 3 to 4 inches in diameter; stems long and wiry. 18 to 24 in.
Pkt.
Light Blue, Pink, Snow-White, Scarlet, Each, $0 10
Mixed.................. ¼oz. 40 cts.,... 10

CREGO ASTER. The plants are of a branching growth, attaining a height of from 2 to 2½ feet. The flowers measure 4 inches in diameter, and have a curling of reflexed petals in the center; blooming in August and September.
Pkt.
White, Pink, Crimson............................... Each, $0 10
Mixed........................................... 10

OSTRICH FEATHER. Flowers have loosely arranged petals and are from 5 to 7 inches in diameter. 12 to 16 in.
Pkt.
Dark Maroon, White, Blue, Rose, Each, $0 10
Finest Mixed........................................ ¼oz. 50 cts.,... 10

NOLL’S CHOICEST MIXTURE. A selection of the leading sorts.
Pkt. Mixed. ½oz. 25 cts., ¼oz. 40 cts., oz. $1.25, $0 05

ASTER, PERENNIAL. VARIETIES, Large-flowered. Mixed... 05


ACHILLEA, The Pearl. Yarrow. An abundance of charming, large, double, pure white flowers throughout the summer; splendid for cutting. The excellent florist’s flower; of easy culture. H.P. 2 ft. 10 cts.


ADLUMIA. Allegheny Vine. Feathery foliage like the Maidenhair Fern. Flowers tube-shaped, delicate rose, pink, and white, complete to cover the plant. Desirable for covering trellises, stumps of trees, etc. H.P. Cl. 15 ft. 10 cts.


AGERATUM. Floss Flower. One of the best bedding plants for beds or borders. Rapid growers, early and constant bloomers, and their bright flowers are produced in the greatest profusion. H.A. 10 cts.

Lasseauxii. Rose-colored flowers, growing to the height of 1 ft. 10 cts.

Little Blue Star. The small plants are almost completely covered with clusters of light blue flowers, with dark red centers. 4 to 5 in. 10 cts.

Blue Gem. Large, dark blue flowers. 6 in. 10 cts.

Purpureum. White flowers of finest form. 9 in. 10 cts.

Mixed. All sorts. 10 cts.

AGROSTEMMA. Rose Campion, Mixed. Bright-colored flowers on long, slender stems; blooms the first season. H.P. 1 ft. to 2 ft. 10 cts.

ALYSSUM. A free-flowering annual of great beauty and utility. Easy to grow and everywhere popular. Useful for beds, vases, edgings, or rockeries. The flowers may be cut all summer, others forming at once. H.A. Carpet of Snow. The best variety for beds or borders. 3 to 4 in. ½ oz. 30 cts., oz. 50 cts. 10 cts.

Sweet. Excellent for cutting. Oz. 30 cts. 10 cts.


AMARANTUS. Ornamental foliage plants of striking effect.


AMELOPSIS Veitchii. Boston Ivy. In autumn the glossy leaves assume scarlet and crimson tints. H.P. Climber. 30 to 60 ft. 10 cts.

ANAGALLIS grandiflora. Mixed. Half-hardy annual of easy culture. 6 in. 10 cts.

ANCHUSA capensis. Azure-blue. A very fine half-hardy annual. 1½ ft. 10 cts.

ANTIRRHINUM. Snapdragon. A showy and useful plant, and one of the most popular flowers; useful for beds or borders. The Snapdragon is one of our finest biennials, flowering the first year from seed. H.B. 3 ft. to 4 ft. 10 cts.

Luteum. Bright yellow. 10 cts.

Atrooccineum. Dark scarlet. 10 cts.

Romano. Violet-rose, with pale lip. 10 cts.

Firefly. Scarlet and white. 10 cts.

Album. Pure white. 10 cts.

Rose. A delicate shade. 10 cts.

Tall Mixed. All sorts. ½ oz. 30 cts. 10 cts.


Tom Thumb. Mixed. 10 in. 10 cts.
BARTONIA aura. Golden yellow. A beautiful, hardy annual that blooms all through the season. Each, $0.05

BEGONIA. These take rank with geraniums and coleus as bedding plants. Easily raised from seed. T.P. 8 to 12 in. $0.10

Vernon. Fibrous-rooted. Bright orange-carmine flowers. Double and single. Mixed, all colors. $0.20

Tuberous-rooted. Double and single, mixed. $0.10

BIRD OF PARADISE FLOWER. Flowers rich, golden yellow, 2½ in. across, produced in large numbers; the incurved stamens and pistils are of a beautiful, bright scarlet. Tuberous-rooted. Mixed. All colors. $0.18 in. G.P. 24 to 30 in. $0.10

BITTER-SWEET. Wax-Work. Handsome, large leaves; produces yellow flowers in May and June; clusters of ornamental orange-capsulated fruit in autumn. H.P. Climber. 15 to 25 ft. $0.05

BOLTONIA asteroides. 1000 to 1 Aster. Innumerable white flowers nearly 1 in. across. H.P. 3 to 5 ft. $0.10

BRACHYCOME, Fine Mixed. The well-known "Swan River Daisy." A beautiful half-hardy annual; blooms all summer. 1 ft. $0.10

BROWALLIA, A. P. C. F. Mixed. Compact plant during summer with innumerable flowers. G. P. Speciosa major. Brilliant, ultramarine-blue flowers. 1 ft. $0.10

Mixed. Many colors. $0.05

BUTTERFLY RUNNER BEAN. The large wings are pure, spotless white, standard salmon-rose. Fine for arbors and trellises. H.A. Climber. 12 to 15 ft. $0.10

BUTTERFLY FLOWER, or SICHUAN CUMIN. Easily grown, bearing quantities of gay, butterfly-like flowers, beautifully marked. H.A. 18 to 24 in. Mixed colors. $0.05

CALANDRINIA speciosa. A pretty, half-hardy annual, continuously in bloom. Flower purple. 6 in. $0.10

CALCEOLARIA. Highly colored flowers, produced in great profusion. G. P. 1 ft. $0.20

Fine Mixed Hybrids. $0.20

CALENDULA. Cape, or Pot Marigold. Will grow in almost any soil. Blooms abundantly and continuously. H.A. 1 ft. $0.10

Prince of Orange. Flowers often 4 inches across, perfectly double, of the most brilliant orange color. A profuse bloomer. Mixed. Double sorts. $0.15 each. $0.05

CAMPANULA. Bellflower, Canterbury Bell. Pkt. Bears a great profusion of attractive, bell-shaped flowers. Thrives in almost any soil. H.P. 1 to 2 ft. $0.10

Carpatica. Large, blue or white flowers. Blooms the entire season. 6 to 12 in. Mixed. $0.05

Single Blue, White, Rose. Each. $0.10

Single Mixed. Each. $0.10

Double Blue, White, Rose. Each. $0.10

Double Mixed. $0.10

Medium calycanthemum. Cup-and-Saucer. Often has 40 to 60 flowers open at the same time. 2 ft. Blue, White, Rose, or Mixed. Each. $0.10

CANDYBIRD FLOWER. Finely cut leaves, and bears a profusion of beautiful golden yellow, fragrant flowers. T.A. Climber. 10 ft. $0.10

CANDYTUFT. Iberis. Requires little care; blooms all summer. Sow in early spring and in August. H.A. 6 to 12 in. $0.05

Empress. Large, white trusses of branching habit; very free blooming. Recommended for bedding and cut-flowers. Each. $0.10

Little Prince. This charming dwarf variety is in great demand for borders and is a very satisfactory and pleasing bedding. The bloom is pure white or tint of pink. Fine for borders and a profuse bloomer. Each. $0.10

Carminia. Large umbels; rich carmine. $0.05

Purpurea. The very darkest crimson; a handsome strain. Each. $0.10

Lilacina. Purple. 12 in. $0.10

Queen of Italy. Fine pink flowers. 6 in. Mixed. All sorts. $0.25 each. $0.10

Dwarf Hybrids. Mixed. $0.10

Candytuft, Hardy Perennial—Sempervirens. Pretty, white flowers, evergreen foliage. $0.10

Gibralterica. Lilac, shaded to white. $0.10

CANNA. Indian Shot Plant. Produces a rich effect with broad and massive foliage and spikes of brilliant flowers. Pierce shell of the seed and soak in warm water 24 hours. Blooms from seed the first year. T.P. 2 to 5 ft. $0.10

Crozy's Hybrids. Magnificent flowers; thick, leathery foliage. Each. $0.25

Fine Mixed. All colors. $0.15 each, 3 lb. 50c.

CARNATION, Giant Marguerite. This strain is the most compact, and the flowers meeting all the requirements of the modern bedding or borders is unsurpassed. Plant grows upright and needs no support. Flowers double, measuring about 3 inches. H.A. 18 in. Giant White, Scarlet and Yellow. Each. $0.10

Giant Mixed. 3 oz. 50c.

Early Dwarf Vienna. A very fine variety of Carnation for indoor culture. Excellent for cutting. H.A. 1 ft. Double White, Rose, Mixed. Each. $0.10

Double Red. Grenadin. Bright scarlet. $0.10

Double Purple. Finest Mixed. $0.15

CATANANCHE caerulea. Hardly perennial; blooms first season. Flowers blue. 1½ ft. $0.05

CATCHFLY. Forms compact, round bushes; produces dense umbels of red, pink, or white flowers. H.A. 12 in. Mixed. $0.10

CELOSIA. Cockscob. Of easy culture, and should be planted in every garden, large or small. The dwarf-growing varieties are excellent for borders and the taller sorts for background. Blooms all summer. H.A. 12 to 30 in. Mixed. $0.05

President Thiers. Bears large, crimson combs. Excellent for borders. 1 ft. $0.10

Cristata. Dwarf. Dark Red, Yellow, Rose, and Mixed. Each. $0.10

Thompson's Magnifica. The most perfect strain of ostrich-plumed Cockscobs. Color ranges from clear yellow to blood-red in the most magnificent shade. 2 to 3 ft. $0.05

Plumosa. Produces large, showy plumes. T.A. 2 to 3 ft. "Crimson, Orange" and Mixed. $0.10

— Q U A R T E R L Y —
CENTAUREA CYANUS. Blue Bottle, Ragged Pkt. Sailor, Korn Blume, Cornflower, Blue. Bachelors Buttons, etc. Very free-flowering. H.A. 2 to 3 ft.
Blue Emperor. Bright blue...Oz. 35 cts. $0.05
Double Blue. 1/4 oz. 30 cts. 10
Rose. A very distinct shade. 1 1/2 ft. 05
Mixed. 1/2 oz. 20 cts. 05
Chameleon. Pale yellow when opening, turning to a beautiful rose-color. 10
Odorata. Light blue; highly fragrant. 10
Margaret. Snow-white blossoms. 10
Suaveolens. Grecian Cornflower. Brilliant yellow; sweet-scented. 10
Imperialis. Mixed. 05
American. Lilac-purple flowers. H.A. 10
Candidissima. Silvery white, cut foliage. 10
Gymnocarpa. Silver-gray foliage. 10
CENTRANTHUS macropetron. Mixed. A very free-flowering annual, suitable for borders. 1 ft. 05
CERASTIUM tomentosum. A favorite plant, of the trailing habit, producing abundant white flowers. H.P. 20
CHINESE LANTERN PLANT, or Japanese Winter Cherry. Produces in great abundance flower-like husks about 3 1/2 inches across, which at first are bright green, changing later to yellow, then orange and scarlet, greatly resembling the last, miniature Chinese lanterns. H.A. 2 ft. 10
CHRYSANTHEMUM. Extremely showy and effective summer bloomers, flowering freely through the summer months until cut down by frost. For early blooming start seeds indoors the latter part of March. Transplant to the garden when danger of frost is past. H.A. 2 to 3 ft.
Bridal Robe. Very profuse bloomer. A bed in full bloom resembles a drift of snow. 10
Coronarium. Double White or Yellow. Each. 10
Double Mixed. 05
Tricolor. These three annual, suitable for borders, of the following variety of colors. Single Yellow, White, Scarlet, or Mixed. Each. 05
Chinese and Japanese, Large-flowering. Seed sown early in the house will produce plants that will bloom the first year. Highly recommended. Many blooms are single or semi-double. H.P. 2 to 3 ft. 20
Pomponata f.pl. Mixed. In this variety we have clustered flowers, 1 1/2 ft. 20
Fruittescens. Paris Daisy, or French Marguerite. Large, star-shaped, white flowers, with yellow center. H.P. 1 ft. 10
CINERARIA. Cape Aster. Our strain of Cineraria seed is unsurpassed for beautiful variety and richness of color, as well as for perfection of form and size of flower. G.P. 18 in. Noll’s Choicest Hybrids. Our superior strain. 25
Polyantha stellata, Mixed. 25
Maritima candidissima. White foliage. 10
CLARKIA. A profuse bloomer. H.A. 18 in. 05
Fine Mixed. Double and single varieties. 05
CLEMATIS. One of the best climbers for trellises, veranda, etc., H. P. Climber. 15 to 20 ft.
Paniculata. Virgin’s Bower. Star-like, white blossoms. 10
Jackman’s Hybrids. 10
Mixed. All sorts. 10
COBŒA. Cathedral Bells. One of the most rapid growers. Flowers large, bell-shaped; a profuse bloomer. T.A. Climber. 10
Scandens. Rich purple. 10
Mixed. 10
COLEUS. The most handsome foliage plant of all. Pkt. tained from seed, largely used for beds or borders. The colors on the leaves are remarkable, rich and varied, ranging through all colors. T.A. 12 to 24 in.
Mammoth Rainbow. Large leaves, often 10 inches in length and 8 inches across, crumpled and serrated in various ways. $0.15
Fine Mixed. Many fine varieties. 10
CONVOLVULUS, Morning-Glory. Easily grown in any situation. One of the most popular and long lasting annuals for beds or borders. Almost every color is represented and for covering arbors or trellises is entirely satisfactory. H.A. Climber.
Major. Too well known to need description. One seldom finds a more satisfactory vine. 12 to 15 ft. Mixed colors. Pkt. 5 cts., oz. 15 cts.
Minor. Trailing or Dwarf Morning-Glory. An excellent bedding plant; its delicate petals covers the ground; the large flowers are of many and most brilliant colors. 1 ft. Tricolor, mixed. Pkt. 5 cts.
COREOPSIS lanceolata. The bright yellow flowers are produced freely all summer. H.P. 2 to 3 ft. Pkt. 5 cts.
COSMOS. The Glory of Autumn. One of the Pkt. most popular autumn flowers and superior for cutting, lasting for several days. Start seed indoors to obtain an earlier and longer period of bloom. When the plants are about a foot high the top should be pinched off to induce a bushy growth. H.A. 3 to 7 ft.
Noll’s Mammoth-flowered. Flowers of this superb strain are 5 inches across, in the most exquisite shades. Start seed early and the results will be surprising. Pure White, Pink, Crimson. Each, $0.10
Mixed. 1/4 oz. 15 cts., 1/2 oz. 25 cts. 10
Klondyke. Orange-colored; very fine. 10
Large-flowered, Choice Mixed. All sorts in finest mixture. 1/2 oz. 15 cts., oz. 25 cts. 05
Early Summer-flowering. The plants are dwarfer than the late-flowering Cosmos, forming compact bushes. The colors are white, crimson, and pink, which we offer only in mixture. Mixed colors. 1/4 oz. 25 cts., 1/2 oz. 40 cts. 10
Lady Lenox. Immense flowers of an exquisite shade of shell-pink. 10
CROTALARIA retusa. Yellow-flowering Pea. Rich, golden yellow blossoms, of true Sweet-Pea form. Blooms in racemes, sometimes as many as 40 to a spike. G.P. 12 to 24 in. 10
CYCLAMEN. Charming plants with beautiful foliage and rich-colored, fragrant flowers. Sow seed in a compost of well-rotted manure, leaf-mold, and sand; cover lightly with moss; remove this after seed germinates. Flowers are of enormous size and borne well above foliage on long, stiff stems. G.P. 9 to 12 in. Persicum. A. Climber. One Pkt.
Giganteum. Mammoth flowers. A splendid strain. 20
Dianthus, or Pinks

**CYPRESS VINE, or STAR-FLOWER** (*Ipomea Quamoclit*). For trailing upon a light ornamental trellis this cannot be excelled. The star-shaped blossoms are produced in profusion. T.A. Climber. 10 to 15 ft.

**Scarlet or White**........ Each, oz. 30 cts........ 05

**Mixed.** Above in splendid mixture. Oz. 25 cts........ 05

**DAHLIA.** Seed planted early in the spring will produce plants that will give abundant blooms the first summer. H.H.P. 2 to 5 ft.

**Large-flowered, Double Mixed.** 15

**Double Mixed.** 10

**Single Mixed.** 10

**Cactus Mixed.** 10

**DAISY** (*Bellis*). Seed sown in early spring will bloom the first summer, and continue for years if given slight protection during the winter. Should be grown in partial shade. H.P. 3 to 6 in.

**Giant Red.** Growing red, shaded rose; perfectly double.... 10

**Giant White.** Large; double; pure white........ 10

**Snowball.** Flowers large; double; white........ 10

**Giant Double Mixed.** 10

**The Shasta.** Excellent for bedding or cut flowers. Flowers white, 3 to 4 inches across, on stems 18 inches long. 3 ft......... 10

**California.** Similar to the above, but with cream and yellow flowers. H.P. 3 ft........ 10

**DATURA.** Trumpet Flower, Angel Trumpet. For a showy plant the Datura is excellent. The grand trumpet-shaped flowers measure 6 to 9 inches in length and nearly 6 inches across and form two distinct trumpets. H.H.A. 3 ft.

**Cornucopia.** Horn of Plenty. Flowers white and pale purple, highly fragrant. Fastuosa alba. Large; double; white........ 10

**DELPHINUM.** Perennial Larkspur. Effective, in beds or masses, in shrubbery or borders, or in combination with white lilies. Allow ample room for development. H.P. 2 to 3 ft.

**Yellow Zanita.** Beautiful sulphur-yellow........ 10

**Belladonna Hybrids.** Lovely shades of pale and deep blue........ 20

**Formosum.** Brilliant blue, white center........ 10

**Brunonianum.** Lovely blue, musk-scented flowers. 3 ft........ 15

**Cardinale.** Orange-scarlet. 2 ft........ 15

**Hybrids, Mixed.** Choice varieties........ 10

**Elatum hybridum.** Finest double mixed........ 20

**DIANTHUS.** Pinks. Flower freely from seed the first year; bloom more profuse the second year. H.B. 1 to 1½ ft.

**White Frills.** A magnificent white flower with deep, lacinated petals........ 10

**Dianthus chinesis.** China or Indian Pink. Pkt.

**Double Mixed.** 10 to 15 oz. 50 cts........ 00

**Wonderful.** A finely fringed Japanese Pink of wonderful beauty. The plants produce their large flowers of 3 to 4 inches in diameter on stiff, upright stems. The petals are deeply cut and the color in all shades from white to rose and deep purplish red........ 10

**Plumarius.** Scotch, Clove, or Grass Pink. The flowers are delicately fringed, variously colored, and delightfully fragrant. H.P........ 05

**Plumarius, Double Mixed.** Pleasant's Eye Pink. Large flowers with fringed edges and zones in various colors........ 10

**Hedewigii, Fireball.** Double scarlet........ 10

**Semperflorae.** Perpetual Pink. Double, semi-double, and single, of various colors........ 10

**DICHTAMUS** (*fraxinella*). Red. Gas Plant. Ornamental, hardy perennial; foliage has a lemon odor. 3 ft........ 10

**DIGITALIS.** Foxglove. The spikes of bloom are produced in abundance and make a brilliant display among shrubbery. H.P. 3 to 4 ft.

**Purple.** The best known........ 05

**White.** Very pretty and attractive........ 05

**Rose.** A very fine shade........ 05

**Yellow.** Long spikes of bell-shaped flowers........ 05

**Mixed.** All colors........ ½ oz. 20 cts........ 05

**Gloxinias flora.** Purple, White, and Rose. Each, oz. 15 cts........ 05

**Mixed.** This strain has long spikes bearing Gloxinia-like flowers........ ½ oz. 25 cts........ 10

**Maculata superba.** Splendid, spotted strain........ 10

**Monstroa.** Splendid mixed. 4 ft........ 10

**DIMORPHOCHELICA aurantiaca.** Aegyptia Gold Daisy. Covered with flowers 2 to 3 inches across, golden yellow with black disk. Desirable for pots, borders, or edging. H.A. 1 ft........ 10

**Aurantiaca hybrids.** New selected hybrids in a splendid mixture. H.A........ 15

**DOLICHOS.** Hyacinth Bean. A rapid grower, flowering freely in erect racemes, followed by ornamental silvery seed-pods. H.H.A. Climber. 10 ft.

**Daylight.** Bold spikes of pure white flowers, resembling the sweet pea in shape. Oz. 20 cts........ 05

**Lablab.** Purple........ 05

**Mixed colors.**........ 05

**DORONICUM caucasicum.** Large yellow flowers, blooming very early. H.P. 2 ft........ 20

**ERYSIMUM Pereskianum.** Orange-colored hardy annual, in the style of the wallflower. 1 to 1½ ft........ 05

**ESCHSCHOLTZIA.** California Poppy. Cheerful blooms and finely cut foliage. Sow where the plants are to remain. H.A. 12 to 18 in.

**Thorburnii.** Coppery orange........ 10

**Golden West.** Bright yellow, orange base........ 05

**Carmine King.** Carmine-rose........ 10

**Californica.** Rich yellow........ 05

**Mixed.** Handsome colors........ 05
EULALIA japonica zebrina. Zebra Grass. Pkt. Forms handsome clumps that greatly add to the grace of any ground. H.P. 6 ft. to 10 ft.

EUPHORBIA. Suitable for beds or mixed borders. H.A. 2 to 3 ft.
Variegata. Snow-on-the-Mountain. Foliage veined and margined with white. 05

EVENING PRIMROSE. The yellow flowers open at sunset. Easy to grow. H.A. 6 to 8 in. Mixed. 05

EVERLASTING FLOWERS. Straw-like flowers that retain their form and color for years, if cut when just in bud and hung head downward to dry. Used in winter bouquets. H.A. Acrrocinium. Mixed. 1 ft. 05
Globe Amaranth. Bachelor's Button. Mixed colors. 1 ft. 05
Helichrysum. Straw Flower. Mixed colors. 2 ft. 05
Rhodanthe. Mixed colors. 1 ft. 05
Xerochrysum. Mixed colors. 1 ft. 05
Mixed. All the above. 05

EVERLASTING PEA. Lathyrus. Hardy Sweet Pea. While these have not the fragrance of the sweet pea, the bloom through a long season. H.P. 6 to 8 ft.
Splendens, Pride of California. Large, pale rose-colored flowers. 10
Mixed. All colors. 40 cts.

FERNs. Sow seed in finely sifted sand and peaty loam, covering the pans with pieces of glass. Place in a shaded position and do not allow them to dry out. Seed slow to germinate. G.P. 6 to 24 in.
Extra-Choice Mixed. 20

FEVERFEO. Matricaria. Does well in almost any soil. H.A. 2 ft. 05
Double White. 05

FUCHSIA. Blooms first year from seed if planted early. G.P. 8 to 12 in.
Choice Hybrids. Single and Double Mixed. 20

GAILLARDIA. One of the most valuable annuals for cut-flowers. H.A. 15 in.
Loreziana. Flowers double, round as a ball, of the most variegated colors. 05
Salomea. Salmon-red. 10
Grandiflora compacta. Compact-growing, forming bushy plants. In coloring, these flowers are rich and variegated. H.P. 12 to 15 in. 10
Maxima. Golden yellow flower. H.P. 2 ft. 10

GENTIANA acutila. Showy, hardy perennial, valued for beautiful, blue flowers. 2 ft. 10

GERANIUM. Grows readily from seed and produces plants that bloom the first season. G.P. 10 to 18 in.
Zonale. Seed saved from finest sorts. 10
Lady Washington. Pansey Geranium. Fines mixed. 25
Apple-scented. The leaves have a decided fragrance. 20
Double Mixed. Seed from double-flowering varieties only, although a percentage will produce single flowers; all will be excellent. 25
Fine Mixed. All sorts. 15

GEUM atragnostum fl. spl. A pretty, hardy perennial, producing excellent double crimson flowers. 1½ ft. 10

GILIA. Flowers freely all summer; fine for massing. Mixed. H.A. 6 to 10 in. 05

GLADIOLUS. Seed sown early will produce buds that will flower the first season. In the fall take up, dry off, and store away for next year's planting. See index for Gladiolus bulbs, which, when planted in masses in separate colors, are simply magnificent. H.P. 3 to 4 ft. Large-flowering. Mixed colors. 10

Hybrids, Mixed. 00 25

GODETIA. Satin Flower, Dwarf, spreading habit of growth; flowers numerous and handsome. H.P. 8 to 12 in.
Extra-Fine Mixed. 00 30 cts.

GOLDENROD. Solidago. Golden yellow flowers in panicled form. H.P. 3 to 5 ft. 05

GOLDEN GLOW. See Rudbeckia, page 47.

GOURS. Ornamental. A large and interesting class, producing a great variety of curious fruits, many of which are peculiarly marked. Annual Climber. 1 to 1½ ft.

Bottle. A good sort. 05

Dipper. Makes an excellent dipper, Oz. 30 cts.

Nest Egg. White, egg-like fruits. 05

Gooseberry. Smallest fruits. 05

Hercules' Club. 4 to 6 feet long; white. 05
Orange. or True Mock Orange. 05

Dish Cloth. Inside used as a sponge. 05
Pearl. Green, white striped. 05

Small Ornamental Sorts. Mixed Oz. 25 cts.

Large Ornamental Sorts. Mixed Oz. 25 cts.
Mixed. All kinds. Oz. 25 cts.

GYNERIUM argenteum. Pampas Grass. Has beautiful plumes that are largely used for decorative purposes. H.P. 6 ft. 10

GYPSOPHILA. An excellent flower for shrubbery or rockwork. H.A.

White, Rose. Each. 05

HELANTHEMUM. Sun or Rock Rose. For rockeries; completely covered with the variously colored flowers. H.P. 4 to 8 in. 05

HELIOTROPE. These well-known greenhouse and bedding favorites are highly esteemed for their fragrant flowers. G.P. 18 to 24 in.

Lemoine's. This bears the most magnificent heads of flowers, many being at least a foot across, of the most lovely hues of purple and violet. 10

Fine Mixed. From a large collection. 05

HIBISCUS. Easily grown from seed. Bears immense saucer-shaped flowers, at least 7 inches across. H.P. 3 to 5 ft.
Crimson Eye. White, with crimson center. 10

HOLLYHOCK. These are unexcelled for planting along buildings or fences, where a background of gorgeous flowers is desired. If sown indoors will bloom the first season. Sow outdoors in April or June for next year. Plant size of bloom. H.P. 5 to 6 ft.

Double White, Pink, Salmon Rose, Scarlet, Yellow, or Maroon. Each, pkt. 10 cts.


Allegheny Fringed. The flowers are either double or semi-double and almost all the petals are beautiful and fringed. Pkt. 10 cts.

Gailardias
HOLLYHOCKS, ANNUAL. Plants from seed Pkt. sown under glass in March will produce flowers in July and continue until frost.

Single Mixed ........................................ $0.10
Double Mixed ......................................... 1.00

HONESTY (Lunaria biennis). Flowers purple or white. The silvery seed-pods are used as house ornaments. H.B. 2 ft. .... 10

HOP, Japanese Variegated. Humulus. There is no harderier vine than this. Resists drought, and insects never bother it. The foliage is beautifully variegated, splashed and streaked with white. T.A. 15 to 20 ft. ... 10

HUNNEMANNIA. Giant Yellow Tulip Poppy. Grown into a branched plant that covers the ground with a net-like ornamental foliage. Flowers are large, cup-shaped, 3 inches across, produced on stems 12 inches long; color bright, clear yellow. H.A. 15 in. • 1/4 oz. 20 cts. ... 10

ICE PLANT. Mesembryanthemum. Flowers frosted or wax-like. Leaves of great substance. Excellent for hanging-baskets or rockwork. T.A. 6 in. ... 1.00


Sultana Hybrids. Brilliant, waxy rose-pink flowers; continually in bloom. ... 1.00

INULA glandulosa grandiflora. Splendid hardy perennial with large orange-yellow flowers. 2 ft. .... 10

IPOMOEAE. Quick, luxuriant growth. The large, thick shell should have a notch filed in the seed, and be soaked in warm water before planting. H.A. 15 to 25 ft.

GIANT White Moonflower. The large, pure white flowers are sweet-scented and entirely cover the vine from base to summit. Plant indoors, 1 inch deep; keep damp in a warm place; when up, plant outdoors in a sunny position, after all danger from frost is past. H.B. 10 ft. • 1/4 oz. 40 cts... 10

Setosa. Brazilian Morning-Glory. Rose-colored flowers, pink star centers. 10 to 20 ft. ... 10

Bona-nox. Good-night, or Evening Glory. Large, blue flowers, open in the evening. 15 ft. ............... 1 oz. 60 cts... 10

IPOMOPSIS elegans, Mixed. Showy and Pkt. beautiful biennials; flowers very bright in color. 2 ft. ........................................ 0.10

IRIS, Japanese. Flag, Fleur-de-Lis. Showy plants, used extensively in the hardy border. Flowers are enormous. H.P. 2 to 3 ft. Mixed ........................................ 1/4 oz. 25 cts... 10

JACOB’S LADDER. Polemonium. Beautiful border plant with blue flowers borne in clusters. 2 ft. ... 0.05

JERUSALEM CHERRY. Solanum. A useful pot-plant, largely in use for winter decorations. The bright scarlet berries are very ornamental and are produced in great abundance. G.P. 18 to 24 in. ... 1.00

JOB’S TEARS (Coix lacryma). Corn-like leaves and hard seeds of peculiar appearance. H.A. 1 1/2 ft. ... 0.10

KAULFUSSIA. Used for edging and bedding, for which it is in great demand. H.A. 1 ft. Mixed colors ........................................ 1/4 oz. 20 cts... 0.50

KOCIA tricophylla. Burning Bush, Belvedere, Summer Cypress, or Mexican Fire Plant. A rapid-growing plant of oval shape; foliage green, turning red in autumn; very ornamental when used as a hedge or background. H.A. 3 ft. ... 1/4 oz. 20 cts... 10

KUDZU VINE, Japanese. Jack and the Bean Stalk. This is decidedly the strongest growing climber that ever was introduced from Japan, the land noted for its curious flowers and plants. The leaves are bold in form, of brightest green, and overlap each other so as to form a dense screen. H.P. 25 to 30 ft. ... 1.00

LANTANA. For ribbon gardening or bedding, nothing can equal this in beauty of flowers and compact growth of plant. H.H.P. 10 to 20 in.

Dwarf Bedding Hybrids. The flower is large, and resembles a verbenia in shape. ... 0.50

Choice Mixed Hybrids .................................. 1.00

LARKSPUR. There is a wide range of color in these profuse bloomers and ornamental showy annuals. They bloom best in a rather cool, moist soil. H.A. 1 to 2 ft.

Emperor Branching. White, Rose or Azure-blue. Each ........................................... 1.00

Emperor Branching. Mixed. 1/4 oz. 50 cts ... 10

Cardiospetalum. Fine blue .................................. 10

Tall Stock-flowered Mixed ................................ 10

Finest Mixed .................................................. 1 oz. 50 cts... 10

LAVATERA. Annual Mallow. Best used as backgrounds for dwarfer plants. H.A. 2 ft.

Variegata. Large leaves, mottled, yellow; very decorative. Mixed. All varieties ... 1.00

LAVANDULA vera. The true Lavender; a well-known ornamental, hardy perennial, bearing long spikes of fragrant flowers, 1 to 2 ft. ........................................... 10

LEMON VERBENA. Aloysia. Grown for the delightful citron fragrance of the light green leaves. Flowers white, borne on long stems. H.P. or 1 to 2 ft. ... 1.00

LEONTOPODIUM alpinum. Edelweiss. Pretty hardy perennial from the Alps; with pure white flowers. 6 in. ... 10

LEPTOSIPHON. A hardy annual; blooms in masses. 1 ft.

Densiflorus Albus. White .................................. 10

Densiflorus. Blue ........................................... 10

LEPTOSyne Stillmanii. Half-hardy annual, with yellow marguerite-like flowers. 1 to 2 ft. ... 10

LIATRIS pycnostachya. Showy plants with large clusters of purple flowers. H.P. 4 ft. ... 10

LIMNANTHES Douglasii. A vigorous, dwarf-growing plant with fragrant yellow and white flowers. 1 ft. ... 10
NORM. F. NOLL & CO., Inc., 115 MULBERRY ST., NEWARK, NEW JERSEY

LINARIA. Cymbalaria. Kenilworth Ivy. Pkt. Trailers, with small, purple or lavender flowers; used for hanging-baskets, rockeries, or vases. H.P. 1 to 3 ft. $0.10

Fine Mixed Hybrids. Snapdragon-shaped flowers. Very desirable for edging and rock-work. H.A. 12 in. 0.05

LINUM. Scarlet Flax. An excellent and effective, showy bedding plant that is in bloom the entire season. H.A. 2 ft. 0.05

LOBELIA. Nothing better for beds, edging or pot culture. Blooms quickly from seed and continues through the season. H.A. 8 to 15 in. 0.10

White Gem. Fine, pure white flowers. 10
Oculata. Dark blue, white eye. 10

Gracilis. Blue, trailing; excellent for baskets. 0.05

Crystal Palace Compacta. Dark blue. Fine for bedding. 0.6 in. 0.05

Fried. Best annual sorts. 0.10

Cardinalis. Cardinal Flower. Fine border plant; brilliant scarlet flowers. H.P. 3 ft. 0.10

LUPINUS. Ornamental and free-flowering annuals. Long, graceful racemes of rich and various-colored, pea-shaped flowers. H.A. 1 to 3 ft. Mixed. 0.05

Polyphyllum. Mixed. Perennial. 3 to 4 ft. 0.10

LYCHNIS. Blooms year after year; requires no protection. H.P. 1 to 2 ft. 0.10

Chalcedonica. Scarlet flowers. 0.05

Haageana Hybrids. Mixed. 0.10

MALOPE. Very pretty, free-flowering, mallow-like flowers. H.A. 2 to 3 ft. 0.10

Grandiflora alba. 0.05

Grandiflora purpurea. 0.05

MALVA. Handsome garden plants that bloom all summer. H.P. 2 ft. 0.10

Moschata alba or Rose. Each. 0.10

MARIGOLD. Old favorites of easy culture. Effective when planted in groups or in garden borders. H.A.

Afican or Tall Varieties.

Lemon Queen. Double. 2 ft., 1/2 oz. 50c. 0.05

Prince of Orange. Double. 2 ft., 1/2 oz. 50c. 0.05

Afican Tall Mixed. 2 ft. 1/2 oz. 50c. 0.05

French or Dwarf Varieties. These, dwarf, compact varieties are all attractive, being covered with hundreds of small flowers.

Gold-striped. Velvety maroon, striped gold. 8 to 10 in. Oz. 50 cts. 0.05

Silver King. Velvety brown, surrounded by pale lemon. 8 to 10 in. 1/2 oz. 25 cts. 0.05

Legion of Honor. Single. Golden yellow, red markings. Oz. 60 cts. 0.10

French Dwarf. Mixed. 25 cts. 0.05

MARVEL OF PERU. Four-o’Clock. Called Four-o’Clock because they open their blossoms at that hour in the afternoon. H.A.

Tom Thumb. Mixed. 2 ft. Oz. 20 cts. 0.05

Hybrids. Mixed. 2 ft. Oz. 20 cts. 0.05

MATHOLIA. Night-smelling Stock. Lovely lilac-pink flowers. Fragrant at night and after showers. H.A. 15 in. 0.05

MEXICAN PRIMROSE. Large, beautiful, pink flower, with a distinct white center. In bloom almost all the time. T.A. 10 in. 0.05

MIGNONETTE. Seed of this popular annual can be sown at any time. If successions are made, these modest-colored, fragrant plants bloom outdoors until November. H.H.A. 12 to 24 in. 0.05

Paris Market. Red flowered. 10

Machet. Large spikes, reddish-tinted. 10

Goliath. Enormous trusses of double red flowers, measuring about 8 inches long by 2 inches or more in diameter. 10

Bismarck. An improvement over Marigold. 10

Allen’s Defence. An excellent variety for cutting. Oz. 50 cts. 0.10

Large-flowering (Reseda odorata grandiflora). Fine for open ground. Oz. 20 cts. 0.05

MIMOSA pudica. Sensitive Plant. Curious and Pkt. interesting. The leaves close and droop when touched or shaken. Flowers pinkish white. T.A. 18 in. 0.05

MIMULUS. Thrives best in a rather moist situation, bearing odd-shaped flowers. H.A. 6 to 12 in. 0.05

Moschatus. Musk Plant. Flowers yellow. 0.10

Tigrinus. Monkey Flower. Very showy blotched flowers. A prolific bloomer. 0.05

MOMORDICA. Balsam Apple. Curious warty fruit of golden yellow color, which opens when ripe. T.A. Climber. 10 ft. 0.05

Balsamina. Apple shaped. 3/4 oz. 15 cts., oz. 25 cts. 0.05

Charantia. Long, pear-shaped fruit. 3/4 oz. 15 cts., oz. 25 cts. 0.05

Mixed. 3/4 oz. 15 cts. oz. 25 cts. 0.05

MORNING-GLORY. This is too well known to need a lengthy description, and one seldom finds a more satisfactory vine. H.A. Climber. 10 to 20 ft. 0.10

Imperial Japanese. Single Mixed. Oz. 40 cts. 0.05

Finest Double Mixed. While producing flowers of great beauty and substance, not all the blooms will be double. 0.10

MYOSOTIS. Forget-me-not. Succeeds best in a moist, shaded position. Have soil moderately rich. H.H.P. 6 to 10 in. 0.10

Victoria. Blue with yellow centers. 10

Semperflorae. Fine for pots. 10

Palastris. The true Forget-me-not. 0.05

Ruth Fischer. Lovely blue. 20

Alpestris. A pretty trailer. Blue, White, Rose. Each. 0.10

Mixed. 0.05

NEMOPHILA. Love Grove. Bears pretty bright flowers and is very easy to grow. H.A. 3 ft. 0.05

NEMOPHILA. Love Grove. Bears pretty bright flowers and is very easy to grow. H.A. 3 ft. 0.05

NEMOPHILA. Love Grove. Bears pretty bright flowers and is very easy to grow. H.A. 3 ft. 0.05

NICOTIANA. Sweet-scented Tobacco Plant. Produces a great number of fragrant flowers. H.A. 3 ft. 0.05

Affinis. Large, pure white flowers. 0.05

Affinis Hybrids. Mixed colors. 0.05
NASTURTIUM, TALL, or CLIMBING. During the three or four months of the season make a better display of brilliant blossoms than almost any other plant. The tall sorts are well adapted for covering unsightly fillings and to trail over rough ground. The dwarf or Tom Thumb sorts are excellent for bedding or borders. H.A. Pkt. Oz.

<table>
<thead>
<tr>
<th>Variety</th>
<th>Description</th>
<th>Price (Per Pkt.)</th>
<th>Price (Per Oz.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Atropurpureum</td>
<td>Crimson</td>
<td>$0.06</td>
<td>$0.15</td>
</tr>
<tr>
<td>Golden-leaved</td>
<td>Scarlet; yellow foliage</td>
<td>0.05</td>
<td>0.15</td>
</tr>
<tr>
<td>Hemisphericum</td>
<td>Orange</td>
<td>0.05</td>
<td>0.15</td>
</tr>
<tr>
<td>King Theodore</td>
<td>Crimson; blue foliage</td>
<td>0.05</td>
<td>0.15</td>
</tr>
<tr>
<td>Prince Henry</td>
<td>Light yellow, marbled scarlet</td>
<td>0.05</td>
<td>0.15</td>
</tr>
<tr>
<td>Schulzii</td>
<td>Scarlet; very dark foliage</td>
<td>0.05</td>
<td>0.15</td>
</tr>
<tr>
<td>Jupiter</td>
<td>Deep golden yellow</td>
<td>0.05</td>
<td>0.15</td>
</tr>
<tr>
<td>Noll's Tall Superb Large-flowered Mixed</td>
<td>The large flowers have a wonderful range of color and exquisite markings of great richness</td>
<td>0.10</td>
<td>0.20</td>
</tr>
<tr>
<td>Nasturtium, Tom Thumb, or Bedding—</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aurora</td>
<td>Rosy salmon, blotched gar-</td>
<td>0.05</td>
<td>0.15</td>
</tr>
<tr>
<td>Beauty</td>
<td>Yellow and scarlet</td>
<td>0.05</td>
<td>0.15</td>
</tr>
<tr>
<td>Bronze</td>
<td>Coppere bronze</td>
<td>0.05</td>
<td>0.15</td>
</tr>
<tr>
<td>Chameleoon</td>
<td>Crimson and yellow</td>
<td>0.05</td>
<td>0.15</td>
</tr>
<tr>
<td>Coccineum</td>
<td>Light scarlet</td>
<td>0.05</td>
<td>0.15</td>
</tr>
<tr>
<td>Cloth of Gold</td>
<td>Scarlet; yellow foliage</td>
<td>0.05</td>
<td>0.15</td>
</tr>
<tr>
<td>Crystal Palace Gem</td>
<td>Sulphur, spotted maroon</td>
<td>0.05</td>
<td>0.15</td>
</tr>
<tr>
<td>Empress of India</td>
<td>Dark crimson; blue foliage</td>
<td>0.05</td>
<td>0.15</td>
</tr>
<tr>
<td>Golden King</td>
<td>Golden maroon blotches</td>
<td>0.05</td>
<td>0.15</td>
</tr>
<tr>
<td>Golden Queen</td>
<td>Yellow foliage</td>
<td>0.05</td>
<td>0.15</td>
</tr>
<tr>
<td>King of Tom Thumbs</td>
<td>Dark scarlet, dark leaves</td>
<td>0.05</td>
<td>0.15</td>
</tr>
<tr>
<td>Lady Bird</td>
<td>Orange, spotted red</td>
<td>0.05</td>
<td>0.15</td>
</tr>
<tr>
<td>Luteum</td>
<td>Clear yellow</td>
<td>0.05</td>
<td>0.15</td>
</tr>
<tr>
<td>Pearl</td>
<td>Creamy white</td>
<td>0.05</td>
<td>0.15</td>
</tr>
<tr>
<td>Prince Henry</td>
<td>Yellow, marbled scarlet</td>
<td>0.05</td>
<td>0.15</td>
</tr>
<tr>
<td>Regalium</td>
<td>Purplish violet</td>
<td>0.05</td>
<td>0.15</td>
</tr>
<tr>
<td>Ruby King</td>
<td>Ruby-red</td>
<td>0.05</td>
<td>0.15</td>
</tr>
<tr>
<td>Vesuvius</td>
<td>Salmon; bluish foliage</td>
<td>0.05</td>
<td>0.15</td>
</tr>
<tr>
<td>Noll's Tom Thumb</td>
<td>Superb Large-flowered</td>
<td>0.10</td>
<td>0.20</td>
</tr>
</tbody>
</table>

Nasturtium, continued

<table>
<thead>
<tr>
<th>Variety</th>
<th>Description</th>
<th>Price (Per Pkt.)</th>
<th>Price (Per Oz.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tom Thumb, Choice Mixed</td>
<td>All the best dwarf sorts</td>
<td>$0.05</td>
<td>$0.10</td>
</tr>
<tr>
<td>Dwarf Variegated, Mixed</td>
<td></td>
<td>0.05</td>
<td>0.10</td>
</tr>
<tr>
<td>NIEREMBERGIA gracilis</td>
<td>Pretty cup-shaped</td>
<td>0.10</td>
<td>0.05</td>
</tr>
<tr>
<td>NIGELLA</td>
<td>Love-in-a-Mist, or Devil-in-a-Bush</td>
<td>0.10</td>
<td>0.05</td>
</tr>
<tr>
<td>NOLANA</td>
<td>Very showy plants</td>
<td>0.05</td>
<td>0.10</td>
</tr>
<tr>
<td>NYCTERINIA capensis</td>
<td>White, Fine for borders</td>
<td>0.10</td>
<td>0.05</td>
</tr>
<tr>
<td>ORNAMENTAL GRASSES</td>
<td>A fine assortment of ornamental grasses</td>
<td>0.10</td>
<td>0.05</td>
</tr>
<tr>
<td>OXALIS</td>
<td>Free-flowing little plants with beautiful flower, Fine for hanging-baskets or vases</td>
<td>0.10</td>
<td>0.05</td>
</tr>
<tr>
<td>PASSIFLORA caerulea</td>
<td>Passion Flower</td>
<td>0.10</td>
<td>0.05</td>
</tr>
<tr>
<td>PENTSTEMON</td>
<td>Free-flowering plants; fine for beds or borders</td>
<td>0.10</td>
<td>0.05</td>
</tr>
<tr>
<td>PETUNIA</td>
<td>There is no flower more highly prized for use in beds, masses, borders, window-boxes, hotbeds, and vases. Succeeds in almost any soil and is in bloom the entire summer. Sow thinly and do not cover seed to a depth of more than four times their size. H.H.A. 1 to 2 ft.</td>
<td>0.10</td>
<td>0.05</td>
</tr>
<tr>
<td>Noll's Double Prize Giant</td>
<td>A superior mixture of all the double and fringed, large-flow- ering Petunias. About 30 per cent will bear double flowers</td>
<td>0.25</td>
<td>0.15</td>
</tr>
<tr>
<td>Mammoth Fringed</td>
<td>The flowers are ex- quisitely ruffled or fringed</td>
<td>0.20</td>
<td>0.10</td>
</tr>
<tr>
<td>California Yellow-throated</td>
<td>Large flower, with finely shaded, yellow throat</td>
<td>0.20</td>
<td>0.10</td>
</tr>
<tr>
<td>Petunia, Single Bedding Varieties—</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>White, Red, Rose</td>
<td></td>
<td>0.05</td>
<td>0.10</td>
</tr>
<tr>
<td>Howard's Star</td>
<td>Deep crimson, with a distinct white star in center</td>
<td>0.10</td>
<td>0.05</td>
</tr>
<tr>
<td>Venosa</td>
<td>Variously colored, beautifully veined</td>
<td>0.10</td>
<td>0.05</td>
</tr>
<tr>
<td>Hybria, Single Mixed</td>
<td></td>
<td>0.05</td>
<td>0.10</td>
</tr>
</tbody>
</table>
**NOLL'S PANSIES**

**Heartsease**

When grown from seed sown in the early autumn larger plants are made, which produce larger flowers the following spring when grown from seed sown seed. For best results, sow in open ground during August, setting to permanent location in September, and large plants will be formed before frost. Place dry leaves, loose straw, or salt hay over the plants about 3 inches deep during the last of November. This will induce a robust growth and make splendid early-flowering plants. H.A. 5 to 10 in.

**Giant Purple King.** Deep, royal purple. Pkt. 10 cts.

**Giant Ruby.** A large-flowering variety with many superb shades of rich red. Pkt. 10 cts.

**Giant Snowflake.** Pure, snow-white. Pkt. 10 cts.

**Giant Striped.** White, blue, and violet; very striking. Pkt. 10 cts.

**Giant Triarindau.** Enormous flowers in various colors and shades. Finest mixed. Pkt. 10 cts., 3 oz. 75 cts.

**Bugnay's Superb Blotched.** Large flowers, with broad blotches. Pkt. 20 cts.

**Madame Perret.** Fine wine shades on white ground. Pkt. 10 cts.

**Masterpiece.** Superb class of blotched Pansies, with large blooms. Pkt. 10 cts.

**Odeir or Blotted.** Very fine strain of blotched Pansies. Pkt. 20 cts.

**Cassier.** Large-flowered, blotched. Pkt. 15 cts.

**Extra Large-flowered.**

**Fine Mixed.** A mixture of large-flowered varieties. Pkt. 10 cts., 3 oz. 50 cts., ½ oz. 90 cts., oz. 50 cts.

**Choice Mixed.** A superior mixture of choice European varieties. Pkt. 5 cts., 3 oz. 15 cts., ½ oz. 25 cts., oz. 75 cts.

**Noll's Improved Tufted Pansy.** Flowers with distinct faces, blooming long, having a delightful fragrance. Planted in a light, rich soil and moist situation, they will bloom the entire summer. Pkt. 10 cts.

**NOLL'S NON PLUS ULTRA.** This is a carefully prepared mixture of the best varieties obtained abroad, including all the solid colors, striped and blotched. We have exercised great care in preparing this strain and are confident it cannot fail to give the utmost satisfaction. ½ oz. $1.25, 1 oz. $2, 1 oz. $7.50. $0 20

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<table>
<thead>
<tr>
<th>Variety</th>
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</tr>
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<tbody>
<tr>
<td>Giant Adonia</td>
<td>A magnificent, large flower; light blue, with white center</td>
</tr>
<tr>
<td>Giant Fire King</td>
<td>Pure golden yellow, upper petals purple; a unique combination</td>
</tr>
<tr>
<td>Giant Dark Blue</td>
<td>A fine, dark blue color that is lasting</td>
</tr>
<tr>
<td>Giant Lord Beaconsfield</td>
<td>Lavender, heliotrope, and purple</td>
</tr>
<tr>
<td>Giant Freya</td>
<td>Large flower of deep, dark purple, each petal with a distinct silver edge</td>
</tr>
<tr>
<td>Giant Golden Queen</td>
<td>Exquisite velvety texture. Bold flowers of pure, golden yellow</td>
</tr>
<tr>
<td>Giant Indigo Blue</td>
<td>Of immense size and of rich, velvety plush effect</td>
</tr>
<tr>
<td>Giant King of the Blacks</td>
<td>Lustrous, jet black. Large flower</td>
</tr>
<tr>
<td>Giant Peacock</td>
<td>Rich garnet, cream, and ultramarine blue, with bordered margins of white, producing an odd effect</td>
</tr>
<tr>
<td>Giant Mauve Queen</td>
<td>Fine shade of mauve</td>
</tr>
</tbody>
</table>
PHLOX DRUMMONDI. Flame Flower. Pkt.
Dazzling in effect, more so when borders or masses are sown with contrasting harmonizing colors. Few colors are beyond their range. Sow as soon as frost is out of ground in early spring, later sowings in June. H.A. 1 ft.

Grandiflora. These varieties are far superior to those ordinarily sold. The flowers are larger than the older sorts.
- Atropurpurea. Dark purple... $0.10
- Coccinea. Large, brilliant scarlet.... $0.10
- Rosea. A soft shade of rose... $0.10
- Alba. Large, pure white... $0.10
- Kermesina splendens. Vivid crimson... $0.10
- Isabellina. Pure yellow... $0.10
- Mixed... 3 oz., 50 cts.... 0.05
- Hortensiaflora, Scarlet. Blooms the entire summer, 6 to 8 in. H.A. 2 ft.

Pkt.: 10

Hortensiaflora. Mixed, 1/2 oz., oz. $1.

Nana compacta. Especially useful for beds, borders, or pots. 5 to 8 inches. Rose, Scarlet, White, Mixed... $0.10

Cupidata. Star of Quedlinburg. Star-shaped flowers of many colors... 10

Phlox, Hardy Perennial—Large-flowered Hybrid. Mixed. 3 ft. H.P. 2 ft.

PLATYCODON. Very fine flowering plants. H.P. 2 ft.

Grandiflora, Blue, White... Each... 10

POPPIY. Flowers grow to an enormous size, from 6 to 7 inches in diameter. Colors are rich and varied.

Pkt.: 10

Poppy, Hardy Annual—Double Bright Rose, White, or Scarlet. Each... 0.05

Double Peony-flowered, Mixed. Many fine colors... 5 oz., 15 cts., oz. 25 cts.

Carnation-flowered, Mixed... 0.25 cts.

Mikado. The Striped Japanese Poppy. Brilliant scarlet and white... 0.05

Shirley. Silk, or Ghost Poppy... $0.05

Dorothy Cross. Danecroft. Large, single scarlet, with white cross at base of petals... 0.10

Mephisto. Beautifully fringed; varies from red and black to rose and white... 0.05

POPPY, GLAUCUM. Tulip Poppy. Scarlet.
See front cover. Pkt. 10 cts.

Poppy, Miss Sherwood. Satiny white, upper Pkt. half of petal chamois-rose... 0.05

Single Mixed... 0.25 cts.

Poppy, Hardy Perennial—Large flowered and showy. 2 to 4 ft.

New Oriental Hybrids—Oriente. Fiery scarlet... 0.05

Nudicaule, Iceland Poppy. One of the most attractive varieties. 1 ft.

Double Mixed Iceland... 0.10

Single Mixed Iceland... 0.10

PORTULACA. Rose Moss. Brilliant-flowered plants of low growth, that will flourish under all conditions, though a sunny position and light, sandy soil suit it best. For beds, borders, among rockeries or under taller-growing plants it will carpet the ground with an amazing mass of foliage that is completely covered with the gorgeous flowers in the most brilliant colors. Requires very little care if not sown seed until hot weather. H.A. 6 in.

Single Varieties—White, Scarlet, Yellow, Rose. Each... 0.05

Mixed... $0.10 cts.

Double Varieties—White, Scarlet, Yellow, Rose... Each... 0.10

Mixed... 3 oz., 25 cts.

POTENTILLA. Handsome and brilliant when in flower; foliage ornamental. H.P. 2 ft.

Single Mixed... 0.10

Double Mixed... 0.10

PRIMULA. Succeeds best in a moist, loamy soil, partially protected from the hot sun. H.P. 6 to 12 in.

Auricula. Many rich colors... 0.10

Japonica. Japanese Primrose. Mixed... 0.10

Forbesi. Baby Primrose. Pleasant shade of rose, with a yellow eye. Fine for cutting... 0.10

Obconica. Early to bloom from spring-sown seed; continues through the entire season. Mixed colors... 0.10


Vulgaria. English Primrose. Flowers carany-yellow and very fragrant... 0.10

Polyantha. Single mixed... 0.10

Chinesis. Chinese Primrose. These handsome house or conservatory plants have a long blooming period and the cut-flowers make a valuable table decoration, keeping fresh in water for several days. Flowers are cut and fringed. G.P. 8 to 12 inches.

White, Crimson, Blue... Each... 0.25

Finest Mixed... 0.20

Malacoides. An excellent variety of Primula; blooms in four months from seed.

White, Lilac... Each... 0.20

Stellata. Star-shaped flowers. Finest Mixed... 0.25

PURPLE FEATHER GRASS. Graceful, narrow leaves, topped with handsome feathery plumes over a foot long from July until cut down by frost. H.A. 1½ to 3 ft.

PYRETHRUM. Daisy-like flowers of bright colors. H.P. 2 to 3 ft.

Atrosanguineum. Fine, dark scarlet... 0.10

Single Mixed. Many colors... 0.05

Double and Semi-double, Mixed... 0.10


RICHUS. Castor Oil Plant. Largely used to give the lawn a subtropical effect or for centers of beds of foliage plants. H.A. 8 to 10 ft.

Camphodensia. Maroon leaves, with red veins; stems black, 5 ft.

Borboniensis. Violet. 15 ft.

Gibsonii. Violet-bronze. 5 ft.

Zanadarense, Mixed. Splendid varieties in mixture. 8 to 10 ft. 1 oz., 15 cts., oz. 25 cts.
ROSE, Baby or Fairy. This blooms in three Pkt. months after sowing. Seeds sown in February in the house will bloom in June in the open ground, and continue throughout the season. Flowers mostly double, borne in clusters. H.P. 15 in. ... $0 10

RUDBECKIA, Golden Glow. Attractive and compact-growing plants, producing numerous golden-yellow flowers. H.P. 6 to 8 ft. ... 10

SALPIGLOSSIS. Velvet Flower. These showy, half-hardy annuals have beautiful funnel-shaped flowers, richly veined on a ground which varies from white, crimson, yellow, orange, etc. They are easily grown, requiring a light, rich sandy soil. H.H.A. 2 ft. ... 10

Grandiflora cocinea. Bright scarlet. ... 10

Purpurea carminea. Purplish violet. ... 10

Rosea. Rose shade. ... 10

Violacea aureo venosa. Lilac, veined on golden yellow. ... 10

Emperor. This mixture is produced from the finest strains. ... 10

Fine Mixed. Large-flowered. ... 10

SALVIA. Scarlet Sage. Well-known bedding plants which carry hundreds of long, flaming flower-spikes open at one time, keeping up the magnificent display until frost. H.A. 18 to 24 in.

Early Dwarf Zurich. Scarlet. 12 to 15 in. ... 20

Splendens. Large-flowering Scarlet Sage. 3 ft. ... 10

Splendens, Bonfire. The most profuse bloomer of all plants, densely covered with flaming scarlet flowers. 2½ ft. ... 10

Splendens, Silver Spot. Green leaves, spotted creamy white; scarlet flowers. ... 10

Farrinacea. Silver Sage. The light flowers are borne high above the foliage. Patens. Blue Salvia. Erect spikes; rich, blue flowers. T.P. ... 10

SANVITALIA procumbens fl.-pl. Beautifol, dwarf-growing plants, with double yellow flowers. H.A. 6 in. ... 05

SAPONARIA Calabra. Pretty, dwarf bedding plants with red flowers. H.A. 1 ft. ... 05

SAXIFRAGA, Mixed. Interesting little plants; excellent for borders. H.P. 9 in. ... 05

SCABIOSA. Pincushion Flower. Mourning Bride. A desirable border plant, with handsome flowers that are exceptionally fine for cutting, lasting for a long time. H.A. 2 to 3 ft.

Minor aurea fl.-pl. Beautiful Pkt. golden yellow. ... $0 05

Black-Purple. ... 05

Candidissima. Double; pure white. ... 05

Double Rose. ... 05

Japonica. Lavender-blue. ... 10

Double Mixed. All colors. ... 05

Caucasica. Lavender. H.P. ... 10

SEDUM acre. Green foliage, yellow flowers; Pkt. excellent for covering graves. H.P. 4 in. ... $0 10

SENCIO, Double Mixed. Free-flowering plants of easy culture. H.A. 1 to 1½ ft. ... 05

SMILAX. Deep, glossy green leaves; largely used in bouquets. G.P. Climber. ... 6 ft.

SPIDER PLANT. A splendid honey plant, as beautiful as it is curious, as the flowers resemble giant spiders. H.A. 4 to 5 ft. ... 10

STATICE, Mixed. Fine for winter bouquets. H.P. ... 1 ft.

STEVIA. The leaves are largely used in bouquets on account of their delightful fragrance. Flowers flesh-white, star shaped, and borne in large heads. G.P. 2 ft. ... 05

STOCKS. For bedding, borders, pot culture or bouquets. To secure early flowers, start seed in window-boxes or under glass in March or April, and transplant to the open ground the middle of May. H.H.A. 1½ to 2 ft.

Stocks, Dwarf German Ten-Weeks. This is Pkt. one of the choicest strains and saved from the finest double varieties only. White, Bright Red, Canary-Yellow, Rose, Light Blue, Violet, Carmine. ... Each, $0 10

Giant Abundance. Fine spikes of large carmine-rose flowers. ... 10

Dwarf German, Ten-Weeks. Mixed. ... 10

Finest Mixed for Open Ground. ... 10

Cut-and-Come-Again. Profuse and perpetual blooming. Double white. ... 10

Winter, or Brompton Biennial, Mixed. ... 10

STOKESIA. Cornflower Aster. Large flowers, resembling semi-double Asters. H.P. 2 ft.

Cyannea, Blue, White. ... Each, 10

SUNFLOWER, Helianthus. Stately decorative plants, with large heads of golden yellow flowers. H.A.

Cucumerifolius, Orison. A very handsome variety, with petals twisted. 3 ft. ... 05

Cucumerifolius. Covered with small, single flowers, of bright orange color. 3 ft. ... 05

Double Chrysanthemum-flowered. Beautiful, golden yellow flowers. 6 ft. ... 10

Dwarf Perkeo. The flowers on extra-long stems are 3 to 5 inches across, bright yellow with dark centers. 2 to 3 ft. ... 10

Globosus fistulosus. Immense flowers, 10 to 14 inches across; very double. 2 ft. ... 10

Large Single Russian. The old-fashioned Sunflower. 5 to 8 ft. ... Oz. 10 cts.

Perennial Sorts, Mixed. ... 10

SWAINSONIA, Finest Mixed. Excellent greenhouse plant of easy culture, thrives best in sandy, peaty soil; sweet-pea-like flowers in sprays. G.P. 2 ft. ... 10

SWEET ROCKET (Hesperis). Showy spikes of fragrant flowers. H.P. 2 to 3 ft.

White, Purple, Mixed. ... Each, 10

SWEET WILLIAM (Dianthus barbatus). Old-fashioned plants; produce large heads of beautifully colored, sweet-scented flowers in great abundance. H.B. 18 in.

Single White, Crimson, Pink Beauty. Each, ... 05

Single Mixed. All colors. ... 05

Double White, Crimson, Rose. ... Each, 10

Double Mixed. All colors. ... 05

Dwarf Double Mixed. ... 10

Dwarf Double Mixed. ... 10
SWEET PEAS

CULTURE. Drill in rows 5 inches deep, cover about 2 inches deep. As vines grow, gradually fill trench with soil, and thin to 5 inches apart. For early flowers, sow in beginning of November, preferably in a dry situation, 6 or 8 inches deep, giving them level culture. Spring sowings may be made just as soon as ground can be prepared. H.A. 5 to 7 ft.

SEPARATE VARIETIES OF SPENCER SWEET PEAS

The following list is made up of the most attractive sorts which are sure to give satisfaction.


Beatrice. Mingling of buff, lemon, and buff; wings pure white. Pkt. 10 cts., oz. 25 cts., $1 lb. 85 cts., lb. $3.

Black Knight. Shining deep maroon, waved. Pkt. 10 cts., oz. 25 cts., $1 lb. 85 cts., lb. $3.

Blanche Ferry. Bright rose, wings white flushed pink. Pkt. 10 cts., oz. 25 cts., $1 lb. 85 cts., lb. $3.

Countess Spencer. A lovely shade of pale pink, darker toward the edges. Pkt. 10 cts., oz. 25 cts., $1 lb. 85 cts., lb. $3.


Florence Morse. White with pink edge. Pkt. 10 cts., oz. 25 cts., $1 lb. 85 cts., lb. $3.


Margaret Madison. Light lavender or azure-blue. Pkt. 10 cts., oz. 25 cts., $1 lb. 85 cts., lb. $3.


Mrs. Routzahn. Apricot, suffused with pink, deepening toward the edges. Pkt. 10 cts., oz. 25 cts., $1 lb. 85 cts., lb. $3.


Senator. Claret or wine colored, striped and flaked on a light heliotrope ground. Pkt. 10 cts., oz. 25 cts., $1 lb. 85 cts., lb. $3.


NOLL’S SUPERB MIXTURE OF SPENCER SWEET PEAS

This mixture contains all the choice sorts of Spencer types. All colors are well represented. The flowers are large and bold, crumpled and waved, three to four on a stem. Very valuable for cutting. This mixture is exceptionally fine and every customer should plant some, as it will surely please. Pkt. 10 cts., oz. 20 cts., $1 lb. 60 cts., lb. $2.
GRANDIFLORA TYPE OF SWEET PEAS
Aurora. White ground, striped orange-salmon. Pkt. 5 cts., oz. 15 cts., ½ lb. 40 cts., lb. $1.25.
Blanche Burpee. Superb; pure white; immense size. Pkt. 15 cts., ½ lb. 40 cts., lb. $1.25.
Doephra Eckford. Pure white, large flowers. Pkt. 5 cts., oz. 15 cts., ½ lb. 40 cts., lb. $1.25.
Helen Pierce. Mottled blue on white. Pkt. 5 cts., oz. 15 cts., ½ lb. 40 cts., lb. $1.25.
King Edward VII. Bright crimson, self-colored. Pkt. 5 cts., oz. 15 cts., ½ lb. 40 cts., lb. $1.25.
Prince of Wales of Rose-crimson. Pkt. 5 cts., oz. 15 cts., ½ lb. 40 cts., lb. $1.25.

NOLL'S SUPERB MIXTURE OF LARGE-FLOWERING SORTS
This mixture is produced from named Grandiflora types. The colors are well graded, giving a large variety of color. We believe there is no better mixture on the market and we are sure it will please the most critical. Pkt. 5 cts., oz. 10 cts., ½ lb. 25 cts., lb. 90 cts.

Fine Mixed. All colors. .......... 05 cts.
TRITOMA. Red-Hot Poker, or Torch Flower. Slowy spikes of bloom in various shades of yellow and scarlet. H.H.P.
Uvaria grandiflora. .......... 05 cts.
UNICORN PLANT. Curious-shaped pods, which when young are used as pickles. H.A. 18 in.
VERBENA. Single plants will carpet a bed 3 to 4 feet in diameter, with neat foliage and spores of fine flowers-cum-bells. Excellent for beds, borders, mounds, vases, or window-boxes. H.A. 18 in.
Crimson, Oculata. .......... Each. 10 cts.
Choice Mixed. All colors. ½ oz. 25 cts. .......... 05 cts.

VERBASCUM Pannosum. Stately and decorative plants with large white, woolly leaves and tall spikes of sulphur-yellow flowers. H.P. 4 to 5 ft.
VINCA. Madagascar Periwinkle, or Old Maid. Ornamental and free-flowering. T.P. 6 to 7 in.
White, Rose, or Mixed .......... Each. $0.10
VIOLA. Violet. H.P. Renowned for their beauty and fragrance.

VINCIAN STOCK. An early summer-flowering garden annual. 1½ ft.
Mixed Colors. .......... 05 cts.
WALLFLOWER. Favorite, sweet-scented flowers, of many fine colors; largely used for spring bedding. T.P. 18 in.
WILD CUCUMBER VINE. Thickly dotted all over with pretty, white, fragrant flowers. H.A. 15 to 30 ft.
WISTARIA. Bears fragrant drooping panicles of lilac-blue or silvery white, pease-shaped flowers. Mixed colors. H.P. Climber. 15 to 20 ft. .......... 10 cts.
ZEA japonica, quadricolor perfecta. Japanese Maize. The leaves are broad, colored yellow, green, and rose, with dark red stripes. H.A. 3 to 4 ft. .......... 10 cts.
ZINNIA. Youth and Old Age. The plants come easily to blooming size from seed, and should be transplanted at least 6 inches apart. Bloom the entire season. H.A. 1 to 2 ft.
Tall Double Varities, Scarlet, White, Golden Yellow, and Rose. Each. 10 cts.
Tall Double Mixed. ¼ oz. 15 cts. .......... 10 cts.
Zinnia, Dwarf Double Sorts. More compact and neater than the taller varieties. 8 to 12 in.
White, Rose, Golden Yellow, Purple, Scarlet. .......... Each. 10 cts.
Dwarf Double Mixed. ¼ oz. 20 cts. .......... 05 cts.

Zinnia grandiflora

NOLL'S COMPLETE FLOWER-GARDEN
Contains a mixture of flower seeds that is complete for any purpose and is in great demand for edging carriage drives, large borders, shrubbery, or woodland. Pkt. 5 cts., oz. 15 cts., ¼ lb. 50 cts., lb. $1.50.
Summer-Flowering Bulbs, Roots, Etc.

At single rates we deliver free of postage. At dozen prices parcel-post expense must be added to remittance. See inside front cover.

AMARYLLIS, Vittata Hybrids. These are grown especially for us and contain a remarkable range of colors from self pure white to darkest crimson, or flaked and striped. These are easily grown. 40 cts. each, $4 per doz.

Johnsonii. Bermuda Spice Lily. Large bulbs. 30 cts. each, $3 per doz.

Formosissima. Jacobean Lily. 15 cts. each, $1.50 per doz.

BEGONIAS, Tuberous-Rooted. These do best in a shady position. The soil should be rich, which serves to make them more profuse in blooming.

Single-Flowering: Scarlet, Pink, Orange, and White. 10 cts. each, 25 cts. for 3, $1 per doz., postpaid.

Double-Flowering: Scarlet, Pink, White, and Orange. 15 cts. each, 40 cts. for 3, $1.50 per doz., postpaid.

CALADIUM esculentum. Elephant's Ear. An effective plant for beds. Of easy culture; should be planted in good, rich soil, with an abundance of rich compost, and where it can obtain plenty of water.

Extra-Large Bulbs. 25 cts. each, $2.50 per doz.

First-Size Bulbs. 20 cts. each, $2 per doz.

CINNAMON VINE. A rapid-growing climber, taking its name from the peculiar fragrance of the delicate white flowers. Leaves are heart-shaped, bright, glossy green; growth is very rapid, often running 25 to 40 feet in a season. Perfectly hardy. 2-year-old roots. 10 cts. each, $1 per doz.

DIELYTRA, or DICENTRA spectabilis. Bleeding-Heart. A very popular, old-fashioned plant, bearing heart-shaped flowers of a beautiful rose-and-white combination. The flowers are borne on long, pendulous stems and the effect is very pretty. 15 cts. each, $1.50 per doz.

HYACINTHUS candicans. Summer-flowering Hyacinth. Blooms in the early spring. Flower-spike 3 to 5 feet high, bearing 20 to 30 pure white, bell-shaped flowers. Half-hardy. 6 cts. each, 60 cts. per doz.

LILY-OF-THE-VALLEY. Produces small, white bell-shaped flowers, which are delightfully fragrant. The foliage is also very pretty. For massing in borders or beds it cannot be surpassed. Strong clumps, 30 cts. each, $3 per doz. (at purchaser's expense).

MADEIRA, or MIGNONETTE VINE. A beautiful and popular vine, covering a large space in a short time. Fleshly, heart-shaped leaves of a light green, and numerous racemes of feathery white flowers of excellent fragrance. 5 cts. each, 50 cts. per doz.

LILIUM auratum. The Golden-rayed Lily of Japan. The most beautiful of all Lilies. Flowers white, dotted crimson, with a clear, golden band running through the center of each petal; very fragrant. 20 cts. each, $2 per doz.

Speciosum album. Pure white, with greenish band through the center of each petal. 25 cts. each, $2.50 per doz.

Speciosum puberulum. A most satisfactory sort. Flowers white, with deep, rosy crimson band on each petal, and deeper-colored spots between. 20 cts. each, $2 per doz.

Melpomene. A grand variety. Flowers rich blood-crimson, heavily spotted with green. 15 cts. each, $1.50 per doz.

PEONIES. These flowering roots are becoming more popular every year, owing to their great range of color and magnificent, showy flowers. There have been rapid strides made in color production the last few years and the shades we offer contain many of the best sorts and colors that specialists list under separate names and colors. They increase in floral beauty year after year and when once planted last a lifetime. Plant in rich and somewhat moist soil.

Double White Shades. 25 cts. each, $2.50 per doz.

Double Pink Shades. 25 cts. each, $2.50 per doz.

Double Red Shades. 25 cts. each, $2.50 per doz.

"Old-fashioned Pinxie" (Paeonia officinalis rubra). Deep red color. Very double and fragrant. 20 cts. each, $2 per doz.

TUBEROSES, Excelsior Double Dwarf Pearl. Long spikes, 20 to 30 inches high, with large, double, pure white flowers of exquisite fragrance.

Extra Size. 5 cts. each, 50 cts. doz., $3 per 100.

First Size. 4c. each, 40c. per doz., $2.50 per 100.

The Peony Manual. C. S. Harrison. Third edition. Enlarged, improved and up to date. Divided into ten chapters, embracing propagation, raising from seeds, diseases, preparing the ground, planting, forcing, shipping, etc., with complete list of varieties. Postpaid, 25 cents.

CANNAS

Culture. Cannas respond readily to liberal treatment. The soil in which they delight is a good loam mixed with a generous supply of well-rotted stable manure. Plant roots May 15, when the weather has settled, and the soil has some warmth. Do not set the roots too deep; the "eye" should be just above the ground.

GIANT ORCHID-FLOWERING VARIETIES

Buttercup. The most magnificent, pure canary-yellow; green foliage. 3 ft. 15 cts. each, $1.50 per doz.

King Humbert. Pure orange-scarlet flowers produced in great clusters; handsome leathery bronze foliage. 4 ft. 10 cts. each, $1 per doz.

Mont Blanc, Improved. Blossoms are truly gigantic and make a magnificent display. They are produced freely all the season, almost snow-white in color, showing to great advantage above the vigorous green foliage. 3½ ft. 15 cts. each, $1.50 per doz.

New York. Petals 5 to 7 inches across, of an intense carmine-red, deeply divided, marked with darker red veins with a rich plum-color. 6 ft. 15 cts. each, $1.50 per doz.

William Saunders. Bright scarlet flowers, produced on tall, strong stems about 4 feet high; bronze leaves. 15 cts. each, $1.50 per doz.

Wyoming. Foliage bronze purple; flowers large, orange-colored. 7 ft. 10 cts. each, $1 per doz.

J. F. NOLL & CO., Inc., 115 MULBERRY ST., NEWARK, NEW JERSEY

CHOICE BEDDING VARIETIES

Black Warrior. A very dark, rich shade of maroon. Green foliage. 3 to 3½ ft. 10 cts. each, $1 per doz.

Comte de Bouchard. Golden yellow flower with numerous spotted spots. Green foliage. 4½ ft. 10 cts. each, $1 per doz.

David Harum. Vermillion-scarlet, mottled deep red; bronze-colored leaves. 3 ft. 15c. each, $1.50 per doz.

Gladiorflora. Crimson, changing to carmine-rose, edged gold; very handsome. Green foliage. 3½ ft. 15 cts. each, $1.50 per doz.

Hungaria. Attractive rose-pink, bordered cream. Green foliage. 3½ ft. 15 cts. each, $1.50 per doz.

Gloriosa. Crimson, changing to carmine-rose, edged gold; very handsome. Green foliage. 5 ft. 15 cts. each, $1.50 per doz.

Meteor. Extra-large, bright crimson flowers. Green foliage. 5 ft. 15 cts. each, $1.50 per doz.

Mrs. Alfred Conrad. The grandest pink variety today. Flowers of immense size. Green foliage. 4 ft. 15 cts. each, $1.50 per doz.

Pillar of Fire. Bright crimson-scarlet flowers borne in erect spikes like blazing torches. Green foliage. 6 to 7 ft. 10 cts. each, $1 per doz.
CHOICE BEDDING CANNA, continued

Queen Charlotte. Pomegranate-red, each petal elegantly bordered with bright golden yellow. Green foliage. 10 cts. each, $1 per doz.

Richard Wallace. The largest and purest yellow grown. Large-flowered. Green foliage. 4 ft. 10 cts. each, $1 per doz.

Rosea gigantea. Soft rose to salmon pink, petals 2½ inches across. Green foliage. 4 ft. 20 cts. each, $2 per doz.

Venus. Soft rosy pink with a pretty mottled border of creamy yellow. 4 ft. 15 cts. each, $1.50 per doz.

Louisiana. Glossy green foliage and vivid scarlet flowers, often measuring 7 inches across. 7 ft. 15 cts. each, $1.50 per doz.

GLADIOLI

These have been most popular for many years and deservedly so. They are of the easiest culture, with a range of color known to no other garden bulb, useful for masses, bordering or shrubbery work, for cutting unexcelled, and they cost practically nothing. Any ordinary garden soil suits Gladioli, and with successive plantings, flowers by mail, add 10 cts. per dozen for postage.

America. A very beautiful soft pink, the coloring and texture resembling those of the orchid. 5 cts. each, 50 cts. per doz., $3 per 100.

Augusta. A lovely and useful variety; pure white, with blue anthers. 4 cts. each, 40 cts. per doz., $2.50 per 100.

Baron Hulot. Rich violet-blue. Flowers are of good substance. 5 cts. each, 50 cts. per doz., $3.50 per 100.

Brenchleyensis. Vermilion-scarlet. One of the best varieties for showy masses. 4 cts. each, 30 cts. per doz., $2 per 100.

Cary Bird. The best light yellow. 12 cts. each, $1.25 per doz., $9 per 100.

Ceres. White, flaked with dark rose. An attractive sort. 5 cts. each, 50 cts. per doz., $3.50 per 100.

Columbia. Color orange-scarlet, blotched with bluish purple. This variety makes a very effective show. 10 cts. each, $1 per doz., $7 per 100.

Doctor Sellew. Deep rosy crimson; petals and throat raved white. 10 cts. each, $1 per doz., $7 per 100.

Fireflame. Bright salmon-rose, perfect flowers. 25 cts. each, $2.50 per doz., $18 per 100.

Isaac Buchanan. A very fine yellow sort. 10 cts. each, $1 per doz., $7 per 100.

Jessie. Velvety red. Good for cutting, having long spikes well filled. 7 cts. each, 75 cts. per doz., $5 per 100.

Kunderdi Glory. Every petal is exquisitely ruffled and frayed. Delicate cream-pink, with crimson stripe. 15 cts. each, $1.50 per doz., $10 per 100.

Little Blush. Extra-fine blush; compact spike. 10 cts. each, $1 per doz., $7 per 100.

Mayor. Purple-rose. 10 cts. each, $1 per doz., $7 per 100.

Mrs. Francis King. Light scarlet in color. Very vigorous grower and free bloomer. 4 cts. each, 40 cts. per doz., $2.50 per 100.

Princeps. Large amaryllis-like flowers, of a beautiful red color, having broad, white blotches across the lower petals. 6 cts. each, 65 cts. per doz., $4.50 per 100.

Peace. Large flowers; pure white, feathered pale lilac. 12 cts. each, $1.25 per doz., $9 per 100.

Salem. A fine salmon-pink. Large, open flowers. 8 cts. each, 80 cts. per doz., $6 per 100.

Scribe. Tinted white, striped freely with carmine. 10 cts. each, $1 per doz., $7 per 100.

Sunlight. Light crimson, with a yellow throat. 7 cts. each, 75 cts. per doz., $5 per 100.

Superb. Pink striped, flaked salmon-pink. 7 cts. each, 75 cts. per doz., $5 per 100.

Taconic. Pink; lower petals banded crimson. 8 cts. each, 80 cts. per doz., $6 per 100.

William Falconer. Enormous flowers of light pink, with liberal foliage. 20c. each, $2 per doz., $15 per 100.

GLADIOLI IN MIXTURE

Choicest “Rainbow” Mixture. Contains an even proportion of the different shades, blends, and colors, as well as a liberal percentage of the magnificent large-flowering Childsii Hybrids. 30 cts. per doz., $2 per 100, $16 per 1,000.

Popular Mixture. Embraces a wide range of colors and produces very fine spikes of good substance. 25 cts. per doz., $1.50 per 100, $12 per 1,000.

POT-GROWN CANNA PLANTS

Ready May 20

We recommend the use of growing Canna plants. We offer varieties named below in extra-fine, strong stock. For descriptions refer to the general list.

<table>
<thead>
<tr>
<th>Each</th>
<th>Doz.</th>
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<tbody>
<tr>
<td>Buttercup</td>
<td>$0.20</td>
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<tr>
<td>Gladiolora</td>
<td>20</td>
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<tr>
<td>King Humbert</td>
<td>20</td>
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<tr>
<td>William Saunton</td>
<td>25</td>
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<tr>
<td>Rosea gigantea</td>
<td>20</td>
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<tr>
<td>Queen Charlotte</td>
<td>15</td>
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<tr>
<td>Richard Wallace</td>
<td>20</td>
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<tr>
<td>Venus</td>
<td>20</td>
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</tbody>
</table>
DAHLIAS

These are becoming more in evidence each season. Their ease of culture and adaptability to practically all soils make their success assured. The Cactus varieties have been much improved in recent years, and some of the most fantastic shapes, combined with the entrancing colors, which are numberless, make these ornaments anywhere. For those who prefer the old-fashioned sorts, the Decorative and Show varieties will satisfy the demands of the most fastidious. In our selection in the different classes will be found all that is best in color, shape, size, and bearing in Dahlias. It should be remembered that the largest roots do not always furnish the best results. Sometimes small tubers are most successful. Give Dahlias a trial, to secure a good showing at small expense.

DEDECORATIVE VARIETIES

Delice. The finest pink decorative Dahlia yet introduced. The color is a soft rosy pink, suffused with lavender-pink; perfect in form and habit, producing flowers on long stems. This variety should appeal to all lovers of flowers. 15 cts. each, $1.50 per doz.

Grand Duke Alexis. A magnificent flower of finest form and largest size. The petals roll up so that the edges overlap each other. The color is pure white, tinged delicate pink. 15 cts. each, $1.50 per doz.

Lyndhurst. Bright scarlet. Very valuable for cutting. 15 cts. each, $1.50 per doz.

Nymphsea. Light shrimp-pink, with lighter center. 15 cts. each, $1.50 per doz.

Sylvia. Fine form, full at center, which is pure white, shading to soft pink on the outer petals. 15 cts. each, $1.50 per doz.

Wm. Agnew. Best red ever introduced for cutting or decorating. Color intense glistening scarlet-crimson. 15 cts. each, $1.50 per doz.

SHOW VARIETIES

Arabella. Color pale primrose, shaded and tipped old-rose and lavender. Valuable for cutting. 20 cts. each, $2 per doz.

Carol. Pure white, delicately tinted with soft pink. 20 cts. each, $2 per doz.

Jamaica. Deep rich purple, shaded maroon. 20 cts. each, $2 per doz.

Lemon Beauty. Full round form. Color soft lemon-yellow. 20 cts. each, $2 per doz.

Miss Dodd. Very large, pure sulphur-yellow. 20 cts. each, $2 per doz.

Storm-King. The finest of all white show Dahlias. Early, and profuse. 20 cts. each, $2 per doz.

FANCY VARIETIES

Harlequin. Brilliant crimson, striped and tipped pure white; dwarf. 15 cts. each, $1.50 per doz.

Mrs. Stancombe. Straw, suffused amber, penciled red, mottled and tipped pinkish white. 15 cts. each, $1.50 per doz.

Penelope. White, flaked lavender. One of the best. 15 cts. each, $1.50 per doz.

POMPON VARIETIES

Alewine. White, flushed pink. 15 cts. each, $1.50 per doz.

Fairy Queen. Sulphur-yellow, edged with deep peach. 10 cts. each, $1 per doz.

La Petite Jean. Dark rich crimson; very fine. 15 cts. each, $1.50 per doz.

Snowclad. Finest white Pompon to date. 15 cts. each, $1.50 per doz.

Splendens imbricata. Very bright red. Fine form. 20 cts. each, $2 per doz.

MIXED SHADES OF DOUBLES

White, Pink, Red, and Yellow shades in mixture. 10 cts. each, $1 per doz., $7 per 100.

SINGLE VARIETIES

Alba superba. Large, glistening, pure white.

Ami Barillet. Scarlet-crimson; dark bronze foliage.

Big Chief. Cherry-red, margined rich velvety maroon.

St. George. Large, pure yellow.

Single sorts, 15 cts. each, $1.50 per doz.

The Dahlia Manual. W. W. Wilmore. The author presents in this treatise such information as is most commonly needed in successful Dahlia culture, the result of his twenty years' experience as commercial grower and originator of the new varieties. Postpaid, 25 cents.
Noll’s Selected Roses

We have great confidence in offering these Roses, grown specially for our trade. Included are some of more recent introduction, which after severe trials have proven successful. The old standard sorts has it unnecessary to recommend, as their worthiness has stood the test of many years.

A second blooming can be had from the varieties marked * by cutting out the old flower-stems, which causes a fresh growth and the plant will set new buds, making it more of an everblooming Rose.

No plants give more satisfactory returns than Roses. No garden is complete without them. Roses are shipped by express at customer’s expense.

HYBRID PERPETUAL ROSES

*Alfred Colomb. Bright crimson.
*Baron de Bonstetten. Dark, velvety crimson.
*Captain Christy. Delicate flesh-color, rosy center.
*Captain Hayward. Deep crimson; free bloomer.
*Captain Wilder. The finest white Rose.
*Hugh Dickson. Brilliant crimson, shaded scarlet.
*King George V. Crimson.
*Magnifica. Bright rose; very large.
*Mrs. John Laing. Soft pink; abundant bloomer.
*Mrs. G. Sharman-Crawford. Very fine, deep scarlet.
*Paul Neyron. Deep rose; flowers very large.
*Soie d’Or. Deep yellow, shaded orange.
*Ulrich Brunner. Cherry-crimson; large size.
*Willowmere. Coral-red. 35 cts. each, $1.50 per doz.

Prices, 25 cts. each, $2.50 per doz., except where noted

HYBRID TEA ROSES

Clothilde Soupert. White, center rosy; very full. 30 cts. each, $3.25 per doz.
*Dean Hole. Choice pink. 30 cts. each, $3.25 per doz.
*Duchess of Wellington. Saffron-yellow. 30 cts. each, $3.25 per doz.
*Franz Deegan. Yellow; a strong grower. 35 cts. each, $3.50 per doz.
*George C. Waud. Orange, shaded red. 30 cts. each, $3.50 per doz.
*Gruss an Teplitz. Scarlet-crimson; free flowering.
*James Coey. Golden yellow. Fine. 50 cts. each, $5 per doz.
*Jonkheer J. L. Mock. Carmine, changing to imperial pink. 35 cts. each, $3.25 per doz.
*Lady Hillingdon. Canary-yellow. 30 cts. each, $3.25 per doz.
*Kaiserin Augusta Victoria. White. 30 cts. each, $3.25 per doz.
*Killarney. Pink, shaded white; very fragrant.
*La France. Bright pink; very large; excellent form.
*Madame Edouard Herriot. Superb coral-red, shaded yellow, passing to brown-red. 50 cts. each, $5 per doz.
*Madame Caroline Testout. Bright rose; fragrant.
*Madame Ravary. Orange-yellow, well-formed flowers. 35 cts. each, $3.50 per doz.
*Maman Cochet. Pink; extra large. 35 cts. each, $3.50 per doz.
*Mevrouw G. W. van Gelderen. Color a soft, creamy pink; a strong grower; very early and free-flowering variety. 30 cts. each, $3 per doz.
*Mrs. Aaron Ward. Indian yellow. 35 cts. each, $3.50 per doz.
*Mrs. Andrew Carnegie. Lemon-white; long pointed bud. 80 cts. each, $5 per doz.
*Mrs. F. W. Vanderbilt. Deep orange; very free flowering. 50 cts. each, $5 per doz.
*Mrs. G. Shawyer. Soft pink. 40 cts. each, $4 per doz.
*Molly Sharman-Crawford. Pure white. 35 cts. each, $3.50 per doz.
*Old-Gold. Vivid reddish orange; mildew-proof foliage. 35 cts. each, $5 per doz.

Prices, 25 cts. each, $2.50 per doz., except where noted

CLIMBING AND TRAILING ROSES

*Aviator Bleriot. Saffron-yellow, with golden center.
*Crimson Rambler. Crimson.
*Dorothy Perkins. Soft pink.
*Dorothy Perkins, White. A great bearer and very fragrant. 30 cts. each, $3.25 per doz.
*Flower of Fairfield. Everblooming Crimson Rambler. 35 cts. each, $3.50 per doz.
*Tausendschoen. Rosy carmine.

Prices, 25 cts. each, $2.50 per doz., except where noted

BABY RAMBLER ROSES

Annchen Muller. Brilliant rose.
*Baby Abel Chatanay. Carmine, soft rose; flowers in trusses. 50 cts. each, $5 per doz.
*Baby Farben Konigin. Bright light red; flowers in trusses. 50 cts. each, $5 per doz.
*Catherine Zeimet. White Baby Rambler.
*Madame Norbert Levavasseur. Crimson.

Prices, 25 cts. each, $2.50 per doz., except where noted

MOSS ROSES

Assorted Varieties. All the best kinds. 25 cts. each, $2.50 per doz.
**Hardy Perennial Plants**

Hardy Perennial Plants have many claims, both practical and artistic, and of late years they have been largely cultivated. They are found in the millionaires' garden, and by a judicious selection, a succession of flowers may be had from April to September. To this end, we have noted the months of flowering as a guide. One of the telling points is their easiness of culture. Planted in autumn and given a light protection the first year, they stand all the rigors of successive winters, flowering each season. They should be planted where they are intended to grow permanently. Those of dwarf habit should be planted in front, and the taller sorts, such as hollyhock, tritoma, foxglove, etc., in the rear. We know of no class of plants which afford such a wealth of flowers of any season, as the hardy perennial. They combine all shades of color, and are of the easiest culture; in fact, "they grow themselves," and no garden, no matter how modest, is complete without them. By procuring a few assorted plants, an "old-fashioned garden" can be had for a small financial cost.

<table>
<thead>
<tr>
<th>Height</th>
<th>Color</th>
<th>Time of bloom</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aconitum Napellus. Monks hood. 20 cts. each.</td>
<td>3 ft.</td>
<td>Blue and White</td>
</tr>
<tr>
<td>Achillea, &quot;The Pearl&quot;</td>
<td>2 ft.</td>
<td>White</td>
</tr>
<tr>
<td>Althea. Hollyhock. 20 cts. each.</td>
<td>5-6 ft.</td>
<td>All Colors</td>
</tr>
<tr>
<td>Allysium saxatile. Golden Tufa</td>
<td>1 ft.</td>
<td>Yellow</td>
</tr>
<tr>
<td>Anemone japonica alba. Windflower</td>
<td>2 ft.</td>
<td>White</td>
</tr>
<tr>
<td>Aquilegia. Columbine</td>
<td>2 ft.</td>
<td>All Colors</td>
</tr>
<tr>
<td>Asclepias tuberosa. Butterfly Flower</td>
<td>4 ft.</td>
<td>Orange</td>
</tr>
<tr>
<td>Aster novae-angliae. New England Aster</td>
<td>6 ft.</td>
<td>Purple</td>
</tr>
<tr>
<td>Bocconia cordata. Plume Poppy</td>
<td>4 ft.</td>
<td>Creamy White</td>
</tr>
<tr>
<td>Boltonia asteroides. latisquama</td>
<td>2 ft.</td>
<td>White</td>
</tr>
<tr>
<td>Campanula. Canterbury Bells</td>
<td>2 ft.</td>
<td>All Colors</td>
</tr>
<tr>
<td>Centaurea orientalis. Knapweed</td>
<td>3 ft.</td>
<td>Yellow</td>
</tr>
<tr>
<td>Centaurea inmontana.</td>
<td>6 ft.</td>
<td>White</td>
</tr>
<tr>
<td>Conoclinium.</td>
<td>2 ft.</td>
<td>Blue</td>
</tr>
<tr>
<td>Conoclinium. Mist Flower.</td>
<td>2 ft.</td>
<td>White and Blue</td>
</tr>
<tr>
<td>Delphinium. Hardy Larkspur.</td>
<td>2 ft.</td>
<td>White</td>
</tr>
<tr>
<td>chineense.</td>
<td>2 ft.</td>
<td>Dark Blue</td>
</tr>
<tr>
<td>album.</td>
<td>2 ft.</td>
<td>Sky-Blue</td>
</tr>
<tr>
<td>formosum.</td>
<td>9 in.</td>
<td>All Colors</td>
</tr>
<tr>
<td>coelestinum.</td>
<td>1 1/2 ft.</td>
<td>Rose</td>
</tr>
<tr>
<td>Dianthus. Hardy Pink.</td>
<td>1 1/2 ft.</td>
<td>All Colors</td>
</tr>
<tr>
<td>barbatus. Sweet William</td>
<td>3 ft.</td>
<td>Crimson and Yellow</td>
</tr>
<tr>
<td>Dicentra, or Dyelia. Bleeding-Heart</td>
<td>3 ft.</td>
<td>Variegated Foliage</td>
</tr>
<tr>
<td>Digitalis gloxiniae flora. Foxglove</td>
<td>1 in.</td>
<td>Orange</td>
</tr>
<tr>
<td>Eupatorium. Barrenworts</td>
<td>5 ft.</td>
<td>Variegated</td>
</tr>
<tr>
<td>Ferns, Hardy. A large assortment</td>
<td>4 ft.</td>
<td>White</td>
</tr>
<tr>
<td>Fomkia undulata variegata</td>
<td>5 ft.</td>
<td>Yellow</td>
</tr>
<tr>
<td>Gallardia grandiflora. Blanket Flower</td>
<td>4 ft.</td>
<td>Assorted</td>
</tr>
<tr>
<td>Eulalia gracillima. Ribbon Grass. 25 cts. each.</td>
<td>5 ft.</td>
<td>Assorted</td>
</tr>
<tr>
<td>Gypsophila paniculata. Baby's Breath</td>
<td>4 ft.</td>
<td>Assorted</td>
</tr>
<tr>
<td>Helianthus. Hardy Sunflower. 20 cts. each.</td>
<td>6 ft.</td>
<td>Assorted</td>
</tr>
<tr>
<td>Helianthus. Sneezyeed</td>
<td>4 ft.</td>
<td>Assorted</td>
</tr>
<tr>
<td>Helenium autunnae.</td>
<td>3 ft.</td>
<td>Yellow</td>
</tr>
<tr>
<td>Hermerocallis flava. Yellow Day Lily.</td>
<td>1 1/2 ft.</td>
<td>Yellow</td>
</tr>
<tr>
<td>Hosta sieboldiana.</td>
<td>5 ft.</td>
<td>White and Assorted</td>
</tr>
<tr>
<td>Iberis sempervirens. Hardy Candytuft</td>
<td>3 ft.</td>
<td>Assorted</td>
</tr>
<tr>
<td>Iris germanica.</td>
<td>3 ft.</td>
<td>Assorted</td>
</tr>
<tr>
<td>Kaempfertia. Japanese Iris. 20 cts. each.</td>
<td>1 1/2 ft.</td>
<td>White</td>
</tr>
<tr>
<td>Lavandula vera. Sweet Lavender</td>
<td>5 ft.</td>
<td>Variegated</td>
</tr>
<tr>
<td>Lipia pycnostachya. Gay Feather</td>
<td>3 ft.</td>
<td>Scarlet</td>
</tr>
<tr>
<td>Lobelia cardinalis.</td>
<td>2 ft.</td>
<td>Red</td>
</tr>
<tr>
<td>Lycnthis chaledonica.</td>
<td>3 ft.</td>
<td>Yellow</td>
</tr>
<tr>
<td>Monarda didyma. Horse Mint</td>
<td>10 in.</td>
<td>Blue</td>
</tr>
<tr>
<td>Myosotis palustris. Forget-me-not</td>
<td>5 ft.</td>
<td>Purple</td>
</tr>
<tr>
<td>Githera fruticosa.</td>
<td>2 1/2 ft.</td>
<td>Yellow</td>
</tr>
<tr>
<td>Papaver rhoeas. Double China. 25 cts. each.</td>
<td>2 ft.</td>
<td>Scarlet</td>
</tr>
<tr>
<td>Papaver orientale.</td>
<td>2 ft.</td>
<td>Scarlet</td>
</tr>
<tr>
<td>Pentstemon barbatus.</td>
<td>4 ft.</td>
<td>Scarlet</td>
</tr>
<tr>
<td>Phlox decussata. Hardy Phlox</td>
<td>2 1/2 ft.</td>
<td>Assorted</td>
</tr>
<tr>
<td>Platycodon. Balloon Flower.</td>
<td>2 ft.</td>
<td>Blue</td>
</tr>
<tr>
<td>grandiflorum.</td>
<td>9 in.</td>
<td>Blue</td>
</tr>
<tr>
<td>album.</td>
<td>9 in.</td>
<td>White</td>
</tr>
<tr>
<td>Primula veris. English Cowslip</td>
<td>1 1/2 ft.</td>
<td>Yellow</td>
</tr>
<tr>
<td>Pyrethrum hybridum. Single Hardy. 25 cts. each.</td>
<td>2 ft.</td>
<td>Assorted</td>
</tr>
<tr>
<td>Rudbeckia laciniata fl.-pl. Golden Glow</td>
<td>2 ft.</td>
<td>Yellow</td>
</tr>
<tr>
<td>Sedum Aster. English Primrose. 25 cts. each.</td>
<td>3 ft.</td>
<td>Yellow</td>
</tr>
<tr>
<td>spectabile. Stonecrop</td>
<td>1 1/4 ft.</td>
<td>Pink</td>
</tr>
<tr>
<td>Spiraea Vanhouttei.</td>
<td>1 1/2 ft.</td>
<td>White</td>
</tr>
<tr>
<td>Stokesia laevis. Stokes' Aster</td>
<td>2 1/2 ft.</td>
<td>Blue</td>
</tr>
<tr>
<td>Tritonia.</td>
<td>4 ft.</td>
<td>Orange</td>
</tr>
<tr>
<td>Veronica longifolia.</td>
<td>2 ft.</td>
<td>Blue</td>
</tr>
<tr>
<td>Wallflower</td>
<td>1 ft.</td>
<td>Blue</td>
</tr>
<tr>
<td>Yucca filamentosa. Adam's Needle. 25 cts. each.</td>
<td>2 ft.</td>
<td>White</td>
</tr>
</tbody>
</table>

**PRICE of any of the above, except where noted, 15 CTS. EACH, $1.50 PER DOZ.**
Small Fruits

**GRAPES**

<table>
<thead>
<tr>
<th>Type</th>
<th>Each</th>
<th>Doz.</th>
<th>2-yr.</th>
<th>3-yr.</th>
<th>4-yr.</th>
<th>Extra</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agawam</td>
<td></td>
<td></td>
<td>$25</td>
<td>35</td>
<td>50</td>
<td>75</td>
</tr>
<tr>
<td>Catawba</td>
<td></td>
<td></td>
<td>$25</td>
<td>35</td>
<td>50</td>
<td>75</td>
</tr>
<tr>
<td>Delaware</td>
<td></td>
<td></td>
<td>$25</td>
<td>35</td>
<td>50</td>
<td>75</td>
</tr>
</tbody>
</table>

**Black Grapes**

- **Concord.** Fine black variety; splendid flavor; reliable and productive; one of the most popular varieties.
- **Wild.** Bunch very large and compact; berry large and tender; juicy and sweet. One of the best blacks.
- **Worden.** Bunch large, compact and handsome; berries large.

**Red and Reddish Purple Grapes**

- **Agawam.** Large bunches; red berries; tender and juicy. Good bearer. Ripens early.
- **Catawba.** Bunches large and loose; berries large, coppery red, becoming purple when well ripened.
- **Delaware.** Bunches small and compact; berries small, light red, sugary, and vinous.
- **Woodruff Red.** Bunches and berries very large; of excellent quality; good keeper.

**White Grapes**

- **Elmira.** Bunches and berries medium size; vigorous, Hardy and productive. Valuable for wine.
- **Empire State.** Bunch large; very medium to large; flesh tender, sweet and juicy.
- **Niagara.** Bunch medium to large; berry large, roundish, uniform; skin thin, with a thin, whitish bloom; flesh slightly pulpy; tender and sweet.

**CURRANTS**

- Should hold a very important position in every garden, as they are of easy culture and may be devoted to many uses.
- 2-yr., 20 cts. each, $2 per doz.; extra-large plants, 30 cts. each, $3 per doz.

**GOOSEBERRIES, continued**

- **Red Jacket.** Large; red; good flavor; hardy and prolific.
- **Smith's Improved.** Large; oval; light green; flesh firm and sweet.

**RASPBERRIES**

- Plant in rows about 5 feet apart and 3 feet between the plants. They like good rich soil, with plenty of manure. Early in the spring, cut out the old wood which bore the last crop of fruit.

- 15 cts. each, $1.50 per doz.
- **Brandywine.** Large; bright red; very firm; subacid; hardy and productive.
- **Chubert.** Queen of the Market. Red, very large and firm; sweet and juicy.
- **Golden Queen.** Large; amber color; firm; fine quality; remarkably productive.
- **Marlboro.** Large; bright red; rich flavor; core small.

**BLACKBERRIES**

- 75 cts. per doz., $5.50 per 100; extra size, $1.50 per doz., $10 per 100

- **Black Diamond.** Very large; ripens early; very sweet and fine flavor; pulpy; few seeds.
- **Cumberland.** Very large, glossy berries; firm, juicy and sweet.
- **Gregg.** One of the most valuable and abundant; large; good quality; vigorous.
- **Kansas.** Very large; firm, and of excellent quality.

**DEWBERRIES**

- **Lucretia.** A trailing variety of the blackberry; ripens between the raspberry and the blackberry; fruit large and handsome. $1 per doz., $7 per 100.
- **Logan Raspberry-Blackberry.** Fruit same size as large blackberry; same form and shape; color dark bright red; mild, pleasant flavor; excellent for table and canning. 25 cts. each, $2.50 per doz., $18 per 100.

**POT-GROWN STRAWBERRY PLANTS**

Pot-grown plants set out this summer will produce a full crop of fruit next June. We will have these plants ready on and after the latter part of July, and they can be supplied as late as October. It is better, however, to procure the plants in August or September, as earlier plantings develop larger and more vigorous plants, and will produce a greater crop of fruit next year.

The varieties we handle are selected from experience of many years. Lists and prices on application. Orders will be delivered one week after we receive them, as we do not carry Strawberry plants in stock at our store. Orders are filled direct at the nursery.

No plants, shrubs, or any other nursery stock will be delivered C.O.D., unless remittance of 50 per cent is made on account, to guarantee acceptance.
## Garden Tools, Implements and Requisites

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lawn Boots, Horse</td>
<td>Links or lawn. Set of 4</td>
<td>$1.00</td>
</tr>
<tr>
<td>Lawn Taps, Olemstead</td>
<td>Improved</td>
<td>$1.50</td>
</tr>
<tr>
<td>Reddick</td>
<td>Easily set, sure catch</td>
<td>$1.00</td>
</tr>
<tr>
<td>Nazzle</td>
<td>A top for Auto. No. 1</td>
<td>(P.P. 1 lb)</td>
</tr>
<tr>
<td>Bordeaux</td>
<td>Brass, (Postage 5 cts)</td>
<td>85</td>
</tr>
<tr>
<td>Non-Clog Atomic</td>
<td>Brass, (Postage 5 cts)</td>
<td>1.05</td>
</tr>
<tr>
<td>Plant Sprinkler, Rubber</td>
<td>(P.P. 1 lb)</td>
<td>65 cts. and 75 cts; Scollay's, 90 cts and 1.05</td>
</tr>
<tr>
<td>Fox</td>
<td>Doz.</td>
<td>3 cts.</td>
</tr>
<tr>
<td>Powder Bellows, Woodason's</td>
<td>Single cone, $1.50 and 2.75</td>
<td></td>
</tr>
<tr>
<td>Powder Duster or Sifter</td>
<td>1 lb; for dusting vines</td>
<td>60</td>
</tr>
<tr>
<td>Snow B., Round Pole's Rooter</td>
<td>(P.P. 1 lb)</td>
<td>50</td>
</tr>
<tr>
<td>Raffia</td>
<td>Natural color, for tying, Lb. 25 cts., 1.10</td>
<td></td>
</tr>
<tr>
<td>Rakes, Steel Garden</td>
<td>Best quality, 12 teeth 60 cts., 14 teeth 75 cts., 16 teeth 75 cts., 18 teeth 85 cts.</td>
<td>65</td>
</tr>
<tr>
<td>Steel Gravel</td>
<td>16 teeth 75 cts., 18 teeth</td>
<td>85</td>
</tr>
<tr>
<td>Steel Border</td>
<td>Garden 12 teeth</td>
<td>65</td>
</tr>
<tr>
<td>Wood Garden</td>
<td>12 teeth</td>
<td>65</td>
</tr>
<tr>
<td>Wood Hay</td>
<td>3 bows, 10 teeth 40 cts., 12 teeth 45 cts., 14 teeth 50 cts., 16 teeth 55 cts.</td>
<td>65</td>
</tr>
<tr>
<td>Saws, Pruning</td>
<td>Single or double edge. 16 in., 80 cts., 18 in. 90 cts.</td>
<td>20</td>
</tr>
<tr>
<td>Saw, American</td>
<td>(P.P. 1 lb)</td>
<td>65</td>
</tr>
<tr>
<td>Scissors, Grape Thinning</td>
<td>English, best steel</td>
<td>85</td>
</tr>
<tr>
<td>Swivel, American</td>
<td>(P.P. 1 lb)</td>
<td>25</td>
</tr>
<tr>
<td>Scythes</td>
<td>Little Giant</td>
<td>26 in. to 36 in. blade</td>
</tr>
<tr>
<td>Sythes</td>
<td>Little Giant</td>
<td>14 in. to 20 in. blade</td>
</tr>
<tr>
<td>Shears</td>
<td>Brass; (P.P. 1 lb)</td>
<td>75</td>
</tr>
<tr>
<td>Snaths</td>
<td>Patent key fastening</td>
<td>100</td>
</tr>
<tr>
<td>Stones, Talacre</td>
<td>Each sets (P.P. 3 lbs); Emery</td>
<td>12</td>
</tr>
<tr>
<td>Shears, Beers</td>
<td>9 in.</td>
<td>38</td>
</tr>
<tr>
<td>Hedge</td>
<td>With notch, 8 in. $1.75, 9 in. $2.10</td>
<td>25</td>
</tr>
<tr>
<td>Hedge, Ladies</td>
<td>With notch. 9 in.</td>
<td>25</td>
</tr>
<tr>
<td>Lamb</td>
<td>9 in. with 2 wheels, 100</td>
<td>100</td>
</tr>
<tr>
<td>Lopping, American</td>
<td>2 ft. handle $1.75, 3 ft. handle</td>
<td>25</td>
</tr>
<tr>
<td>Odd</td>
<td>12 in.</td>
<td>25</td>
</tr>
<tr>
<td>Owl</td>
<td>6 in.</td>
<td>15</td>
</tr>
<tr>
<td>Pruning, California Pattern</td>
<td>9 in. (P.P. 1 lb), good quality, 50 cts; best solid steel</td>
<td>1.25</td>
</tr>
<tr>
<td>Steel D-handle</td>
<td>1.15 and 1.15</td>
<td>25</td>
</tr>
<tr>
<td>Steel D-handle</td>
<td>With sliding flat spring, 9 in.</td>
<td>15</td>
</tr>
<tr>
<td>Sheep or Grass</td>
<td>(P.P. 1 lb)</td>
<td>50 cts, 75 cts, $1, and</td>
</tr>
<tr>
<td>Shovel</td>
<td>Steel; (P.P. 1 lb)</td>
<td>75 cts; handle</td>
</tr>
<tr>
<td>Shovel</td>
<td>Steel; (P.P. 1 lb)</td>
<td>Short 12 in. handle</td>
</tr>
<tr>
<td>Spade</td>
<td>Square Point</td>
<td>Steel short D-handle $1, $1.15 and 1.15</td>
</tr>
<tr>
<td>Steel</td>
<td>Sod Perforator</td>
<td>8 1/2 in. by 5 1/2 in.</td>
</tr>
<tr>
<td>Sod Tamps</td>
<td>(P.P. 1 lb)</td>
<td>100 cts. per ft.</td>
</tr>
<tr>
<td>Spades</td>
<td>(P.P. 1 lb)</td>
<td>150 cts.; extra</td>
</tr>
<tr>
<td>Steel</td>
<td>(P.P. 1 lb)</td>
<td>Short D-handle</td>
</tr>
<tr>
<td>Steel</td>
<td>Tank, short D-handle</td>
<td>1.25</td>
</tr>
<tr>
<td>Steel</td>
<td>Steel; (P.P. 1 lb)</td>
<td>Long handle</td>
</tr>
<tr>
<td>Thermometer, Hotbed</td>
<td>1 lb.</td>
<td>(P.P. 1 lb)</td>
</tr>
<tr>
<td>Tree Scrappers</td>
<td>Triangle blade, 60 cts; wire brush</td>
<td>70</td>
</tr>
<tr>
<td>Trowels</td>
<td>6 in. (P.P. 1 lb), concave shank</td>
<td>10 cts, 15 cts</td>
</tr>
<tr>
<td>Trowels</td>
<td>7 in.</td>
<td>25</td>
</tr>
<tr>
<td>Marvel</td>
<td>Steel shovel and handle in one piece</td>
<td>30</td>
</tr>
<tr>
<td>Transplanting, or &quot;Silt Jim&quot;</td>
<td>(P.P. 1 lb)</td>
<td>15</td>
</tr>
<tr>
<td>Trowels, Steel</td>
<td>4 in. steel; 4 in. steel</td>
<td>(P.P. 1 lb)</td>
</tr>
<tr>
<td>Top</td>
<td>Bottom</td>
<td>Depth</td>
</tr>
<tr>
<td>No. 1</td>
<td>12 in.</td>
<td>9 in.</td>
</tr>
<tr>
<td>No. 2</td>
<td>13 in.</td>
<td>10 in.</td>
</tr>
<tr>
<td>No. 3</td>
<td>14 in.</td>
<td>12 in.</td>
</tr>
<tr>
<td>No. 3</td>
<td>16 in.</td>
<td>14 in.</td>
</tr>
<tr>
<td>No. 4</td>
<td>18 in.</td>
<td>17 in.</td>
</tr>
<tr>
<td>No. 5</td>
<td>20 in.</td>
<td>19 in.</td>
</tr>
<tr>
<td>No. 6</td>
<td>22 in.</td>
<td>20 in.</td>
</tr>
<tr>
<td>No. 7</td>
<td>24 in.</td>
<td>22 in.</td>
</tr>
<tr>
<td>Vegetable Scoop</td>
<td>Wood</td>
<td>Best quality</td>
</tr>
<tr>
<td>Water Barrel</td>
<td>Complete</td>
<td>1/2 in. wood wheels</td>
</tr>
<tr>
<td>Watering Pots, Ordinary</td>
<td>Galvanized, strong and durable</td>
<td>80 cts. 12 cts. 16 cts. 1.25, 2.25, 3.25, 4.25, 5.25</td>
</tr>
<tr>
<td>Witherspoon’s</td>
<td>Galvanized, brass fittings with two copper-headed roses, one fine and one coarse</td>
<td>60 cts.</td>
</tr>
<tr>
<td>Trellis</td>
<td>French Pattern</td>
<td>Oval shape, long spout</td>
</tr>
<tr>
<td>Weeder</td>
<td>3 prong short handle</td>
<td>(P.P. 1 lb)</td>
</tr>
<tr>
<td>Weeder</td>
<td>3 prong short handle</td>
<td>35 cts.</td>
</tr>
<tr>
<td>Wheelbarrows</td>
<td>4 ft. handle, 20 cts, 4 prongs 20 cts; 6 prongs 30 cts.</td>
<td>45</td>
</tr>
<tr>
<td>Wheelbarrow</td>
<td>5 ft. handle, 20 cts, 3 prongs 15 cts.</td>
<td>45</td>
</tr>
<tr>
<td>Wheelbarrow</td>
<td>4 ft. handle, 20 cts, 4 prongs 20 cts; 6 prongs 30 cts.</td>
<td>45</td>
</tr>
<tr>
<td>Wheelbarrow</td>
<td>5 ft. handle, 20 cts, 3 prongs 15 cts.</td>
<td>45</td>
</tr>
</tbody>
</table>

Parcel-Post weights are indicated. We recommend using reliable Articles. If ordered by mail, allow extra for postage. See inside front cover. PRICES ABOVE SUBJECT TO CHANGE WITHOUT NOTICE.
### The Victory (Ball-bearing)
This Mower is our leader, and we are proud to have it head our list. To its manufacture there is much care given, to the minute parts of a watch, and the product is the best value we have in Lawn Mowers. It is so light and easy running that a child can push it over the lawn with ease. It has 10-inch wheels, 9 1/2-inch reel carrying 4 cutting blades of oil-tempered, crucible steel. Lower blade is of same material. Is made with compound, triple gear, which permits of the maximum strength with the minimum weight. Gears are entirely enclosed; no dirt or cut grass can get into pinions and clog them up. 

Prices (not prepaid): 14-in. cut, $13.00; 16-in. cut, $11; 18-in. cut, $12; 20-in. cut, $13; 22-in. cut, $14; 24-in. cut, $15.

### The Flyer (Ball-bearing)
An excellent Mower carefully made and finished, at a popular price. Revolving blades and the lower blade are of oil-tempered, crucible steel. Two-gear internal driver and pinion type, driving gear having extended spools and rim. Open wheel and frame; 9-inch wheels, 9 1/2-inch reel carrying 4 cutting blades of oil-tempered, crucible steel blades 1 inch wide. Also crucible steel lower bar. Open wheel and frame, with ratchet in the pinions, the pinions revolving on the shaft when the mower is turned over. 

Prices (not prepaid): 14-in. cut, $7; 16-in. cut, $7.75; 18-in. cut, $8.50; 20-in. cut, $9.50.

### The Orange (Ball-bearing)
A reliable Lawn Mower with 10-inch wheels, 9 1/2-inch standard reel and standard oil-tempered, crucible steel blades, 1 inch wide. Also crucible steel lower bar. Open wheel and frame, with ratchet in the pinions, the pinions revolving on the shaft when the mower is turned over. 

Prices (not prepaid): 14-in. cut, $10; 16-in. cut, $10.75; 18-in. cut, $11.50; 20-in. cut, $12.25; 22-in. cut, $13.25; 24-in. cut, $14.25.

### Noll's Complete Garden Fertilizer
For general use, garden vegetables, fruit vines, trees, etc. Will increase your yield and better crops will result. Use 100 pounds to 4,000 square feet. (P.P. 6 lbs.), 10 lbs. 40 cts. (P.P. 11 lbs.), 25 lbs. 85 cts., 50 lbs. $1.50, 100 lbs. $2.50, 500 lbs. $11.25, ton $42.

### Bone Meal (Pure Ground)
Slower to decompose, but more lasting, giving up nitrogen to the soil. No danger of burning the plants if used carefully. For top dressing, 1/4 to 1 ton per acre. For garden crops, 1/4 to 1 ton per acre broadcast and raked afterward. For rose-beds or plants, one part to about fifty of soil. 5-lb. pkg. 25 cts. (P.P. 6 lbs.), 10-lb. pkg. 40 cts. (P.P. 11 lbs.), 15-lb. pkg. 50 cts. (P.P. 12 lbs.), 20-lb. pkg. 85 cts. (P.P. 13 lbs.), 50-lb. bag $2.50, 100 lbs. $11.25, ton $42.

### Canada Unleached Hardwood Ashes
Excellent top dressing for lawns and fruits, driving away insects as well as fertilizing. Use 1,000 pounds to 1 ton to the acre. 5-lb. pkg. 25 cts. (P.P. 6 lbs.), 10 lbs. 35 cts. (P.P. 11 lbs.), 25 lbs. 60 cts., 50 lbs. $1, 100 lbs. $1.75, 500 lbs. $7.50, ton $24.

### Prepared Alphano Humus
This ideal soil enricher is prepared from rich deposits of vegetable and animal matter and supplied with all the legume and other beneficial soil bacteria. Eighty per cent of the moisture is driven out. Finely pulverized, odorless, and entirely free from weed seeds. It is rich in ammonia, phosphoric acid, potash and lime. For lawns it is applied as a top dressing from 1/4 to 1 inch in depth, and should then be worked in. On golf-links or vegetable and garden-apply 1/4 to 2 inches deep, and fork it well into the soil, or apply it in trenches the same as you would well-rotted manure. For pot plants mix the Alphano with your regular potting soil. It will make the Alphano a perfect soil for top dressing lawns, an application of 100 pounds every 800 square feet will be effective. For distribution in large quantities, say 1/4 inch thick, 30 tons is required per acre. 5 lbs. 25 cts., 10 lbs. 40 cts., 50 lbs. 90 cts., 100-lb. bag $1.35, 500 lbs. $6.25, 1,000 lbs. $11, ton $20.

### Natural Humus
It is applied in the same way as potting or soil mixture. It is perfect for driving away insects and adding moisture retaining, and odorless. Free from weed seed. For top dressing lawns, and for indoor use in conservatories, flower-boxes and pots. When renovating old lawns, leveling up, and top dressing new lawns, use one part Humus to two or three parts of good soil. 5 lbs. 15 cts., 10 lbs. 25 cts., 50 lbs. 60 cts., 100-lb. bag $1.10, 500 lbs. $4.75, 1,000 lbs. $8.75, ton $16.

### Atkinson's Prepared Humus
A combined Fertilizer and Humus enron. Creates the earth top dressing; will produce a fine lawn or putting-green quickly and cheaply. Send for literature and instructions for use. The results obtained will surprise you. Saves time and labor. 5 lbs. 35c. (P.P. 6 lbs.), 25 lbs. $1.25, 50 lbs. $2, 100 lbs. $3, 300 lbs. $7.50, ton $50 (F.O.B. Bogota, N. J.).

### Lime (Hydrated Agricultural)
Used to correct acid soils, also to hold sandy soil together, thus making it retain more moisture. Lime also breaks up clay soils, making them easy to till. Use 1,200 pounds to 1 ton to the acre. 50 lbs. 70 cts., 100 lbs. $1.25, ton $17. Price on car lots on application.

### Nitrate of Soda
Valuable for the nitrogen it contains. Is an excellent stimulant, and is used in addition to other fertilizers. Is quick in action, hastening crops to maturity. Applied after plants are above the ground by dusting or by trenched, use 100 to 500 pounds per acre. As a liquid, 5 pounds to 80 gallons of water. (Not available.) 5 lbs. 40 cts., 10 lbs. 75 cts., 25 lbs. $1.75, 50 lbs. $3, 100 lbs. $5, 200 lbs. $9.50, ton (2,000 lbs.) $90.

### Sheep-Manure
Popular for general fertilizer purposes. This is a high-grade manure, dried and pulverized, giving lasting results. Can be applied by diluting in water or mixing with soil. Used for garden crops. 1 to 2 tons per acre, half before plowing and balance before harrowing. For top dressing grass, 1 ton per acre, applying in fall or early spring. Excellent for house plants as well as outdoor plants. 5 lbs. 25 cts. (P.P. 6 lbs.), 10 lbs. 40 cts. (P.P. 11 lbs.), 25 lbs. 80 cts., 50 lbs. $1.25, 100 lbs. $2.15, ton $32.

**Prices of above subject to change without notice. For special brands, see page 64.**
INSECTICIDES AND FUNGICIDES

Prices subject to change without notice

**Anticide.** Effective against ants and other insects that infest lawns. Harmless to lawns. Sprinkle 1 pound to 200 square feet. Lb. 25 cts. (P.P. 2 lbs.), 5 lbs. $1, Lb. 15 cts. 2 lbs. $2.50. Lb. 10 cts. 5 lbs. $3.50.

**Aphine.** A powerful insecticide in a form readily soluble in water, applied as a spray, wash, or dipping solution. For destroying plant lice, aphids, red spider, and all other greenhouse and outdoor insects. Use from 1 to 3 pounds to 50 gallons of water, according to directions. (Not mailable.) ½ pt. 25 cts., ½ pt. 40 cts., pt. 65 cts., qt. $1, gal. $2.50.

**Aphis Punk.** A paper thoroughly saturated with nicotine, for fumigating greenhouses. 2 to 3 sheets for 100 feet of house. Fine for aphids, white and green fly, red spider. Box of 12 sheets 60 cts. (P.P. 1 lb.), 144 sheets $6.50 (P.P. 8 lbs.)

**Arsenate of Lead (Paste Form).** For spraying trees and shrubs against attacks of leaf-bitting insects of all kinds. It adheres well to the foliage, does not readily wash off by rain, and does not injure tender foliage. Remains well suspended in solution, so that an even distribution is obtained. Even in color it shows just where it has been applied. It rapidly replaces paris green. Use from 3 to 5 pounds to 50 gallons of water, according to directions. (Not mailable.) 1 lb. 25 cts., 2 lbs. 42 cts., 4 lbs. $1, 10 lbs. $1.80, 25 lbs. $4. 50 lbs. $7.50, 100 lbs. $13.

**Arsenate of Lead (Dry Powder).** This form extensively used. Is easily suspended in water. 1 pound equals 2 pounds of Arsenate of Lead in paste form. Use 1 pound to 50 gallons of water. (Not mailable.) Lb. 40 cts., 5 lbs. $1.75, 10 lbs. $3, 25 lbs. $6.75.

**Bordeaux Mixture (Paste Form).** A fungicide for mildew, blight, rust, scab, and all fungous diseases. 1 gallon makes 50 gallons of spray. (Not mailable.) Pt. 30 cts., qt. 45 cts., gal. $1.10, 5 gals. $4.75.

**Bordeaux Mixture (Dry Form).** As above, but used at the rate of 1 pound to 5 gallons of water, as it is in powder form containing no water. (Not mailable.) Lb. 35 cts., 5 lbs. $1.50.

**Bordeaux and Paris Green Mixture.** A substitute for paris green. (Not mailable.) Lb. 50 cts.

**Bordo-Lead.** An excellent combination of 50 per cent Arsenate of Lead Paste and 50 per cent Bordeaux Mixture Paste. Has the virtues of best galatious Bordeaux (fumigicide), combined with the virtues of the highest grade Arsenate of Lead (insecticide), giving a combination of insecticide and fungicide, operation kill the insects and prevent blight, mildew, and rust. It sticks like paint and remains on the foliage, insuring results. (Not mailable.) Lb. 30 cts., 5 lbs. $1.25, 10 lbs. $2.25.

**Borowax.** A complete protection against tree borers if applied as directed. Protects the tree at the point where the eggs are deposited, thus rendering it immune to borers. Use ½ to 1 pound, according to size. (Not mailable.) Qt. 35 cts., 2 qts. 60 cts., gal. $1, 6 gals. $5, ½ bbl. (26 gals.) $20, bbl. (52 gals.) $35.

**Bug Death.** A non-poisonous insect-killing powder in two forms. A dusting mix for cabbage and tomato worms, cucumber and potato bugs. Acts as a fertilizer as well as an insecticide. In powder form, applied with bellows or powder gun, 12 pounds to acre. Lb. 20 cts. (P.P. 2 lbs.), 3 lbs. 45 cts. (P.P. 4 lbs.), 5 lbs. 60 cts. (P.P. 6 lbs.), 12½ lbs. $1.25. (P.P. 13 lbs.), 100 lbs. $8. Special Shaker, 35 cts. each.

**Caper Scale (Ammoniated).** A concentrated, liquid fungicide, used for rust, mildew, and leaf blight. Dilute 1 part to 100 parts water, and spray lightly. This old standard is still popular and effective. (Not mailable.) Qt. 75 cts., gal. $2.25.

Parcel-post weights are indicated above on mailable articles. If ordered by mail, allow extra for postage.

See inside cover.

58
INSECTICIDES AND FUNGICIDES

Prices subject to change without notice.

Nikoten. Extract of tobacco, containing 30 per cent nicotine. To spray, use 1 part to 500 parts water; 1 tablespoonful to 1/2 pint of water, when vaporized, will fumigate 600 square feet of floor space. (Not available.) 1/3 oz. bottle 40 cts., 3/4 lb. 85 cts., lb. $1.50, 4 lbs. $5, 8 lbs. $10.

Paris Green. Poisonous, insoluble powder, for preventive and curative treatment of vegetable bugs, worms, caterpillars, and slugs. Apply as powder; mix 1 part to 100 parts of flour; or in solution 1 pound in 200 to 300 gallons of water. (Not available.) 1/3 lb. 30 cts., lb. 55 cts., 3 lbs. $2.50.

Pyrox. A creamy paste. Mix 1 pound to 5 gallons of cold water. Safest all-round spray for killing leaf-eating insects. Also prevents blight and all fungous troubles without injury on potatoes, garden vegetables, rose-bushes, shrubbery, fruit trees, grape-vines, etc. (Not available.) Lb. 25 cts., 5 lbs. $1, 10 lbs. $1.85, 25 lbs. $4.50, 50 lbs. $8, 100 lbs. $15.

Rose Bug Exterminator (Readea). Best insecticide for roses, chrysanthemums, carnations. Harmless to the most delicate flowers or foliage when diluted 1 in 20 to 60 parts of water and sprayed as directed on label. Does not leave a stain. (Not available.) Qt. 10 cts., gal. $1, 5 gals. $3.75, 10 gals. $6.75, 50 gals. $27.50.

Scaleicide. Best spray for San José scale, etc. Non-poisonous preparation of petroleum oil. Mix at the rate of 1 gallon to 20 gallons of cold water. Apply with sprayer. Will kill every scale that it reaches without injury to tree or fruit, if applied in late fall, winter or early spring, when foliage is off. (Not available.) Qt. 40 cts., gal. $1, 5 gals. $3.75, 10 gals. $7.50.

Scale Destroyer. Effective oil remedy for San José scale, etc., and mixes readily with water. Spray while trees are dormant, 1 to 2 parts of water. Qt. 40 cts., gal. $1, 5 gals. $3.75.

Slug Shot. Non-poisonous powder, applied by dusting on the plants. Non-harmful to animals or fruit and vegetables treated. Effective remedy for potato bugs, beetles, slugs, cabbage worms, etc. Lb. 15 cts. (P.P. 2 lbs.), 5 lbs. 40 cts. (P.P. 6 lbs.), 10 lbs. 75 cts. (P.P. 11 lbs.), 25 lbs. $1.75 (P.P. 26 lbs.), 125 lbs. $8 per bbl. of 250 lbs. $15.50.

Soft Coal Soot, Scotch. Prevents insect ravages and also acts as a stimulating fertilizer. Used in onion drill, radish beds, cabbage, etc., to check the attacks of grubs, cut-worms, etc. Supplied in 50-lb., bag 2/25, 112-lb., bag $4.25.

Sticky Tree Cord. A soft cord about 1/4 inch in diameter, thoroughly saturated and coated with a black sticky resinous substance; easily applied to trees by means of containing tube. Each tube contains 30 feet of cord, enough to band 10 trees 1 foot in diameter. Per tube 25 cts. (P.P. 2 lbs.)


Tobacco Dust (Fine). For fumigating, dusting, etc.; also a fertilizer and preventive against insects in the ground around roots of trees. After one application to trees, the dust remains effective for 2 years. (Not available.) 1 Ib. 10 cts., (P.P. 2 lbs.), 5 lbs. 35 cts. (P.P. 6 lbs.), 10 lbs. 60 cts. (P.P. 11 lbs.), 100-lb., bag $3.

Tobacco Stems. For fumigating greenhouses and conservatories for the destruction of green and black aphids, etc. 100-lb. bale $1.50, ton $25.

Tree Tanglefoot. A sticky compound similar to that used on Tanglefoot Fly Paper. Especially adapted for protecting trees from attacks of climbing and creeping insects such as gypsy and brown-tall moths, canker worms, ants, etc. One application remains sticky 3 months and longer; works alike in rain, sun, winds, etc.; does not soften on trees, but is elastic, expanding with the growth of the tree. Will not injure trees. One pound makes 9 to 10 lineal feet of band. 1 lb. 35 cts. (P.P. 2 lbs.), 3 lbs. $1 (P.P. 5 lbs.), 10 lbs. $3 (P.P. 14 lbs.), 25 lbs. $6.75.

Weed Killer (Sterlingworth). For killing weeds in walks, drives, tennis-courts, etc., where no vegetation is wanted. Powder form, dissolve in water and sprinkle. 1 lb. powder makes 1 bbl. of solution. Lb. 50 cts. (P.P. 2 lbs.), 5 lbs. $2 (P. P. 6 lbs.)

Worm Eradicator, Electric. For killing grubs, insects, and worms which destroy the roots of plants, flowers, and trees. Dilute from 1 to 2 ounces to 1 gallon of water. (Not available.) 4-oz. bottle 25 cts., 10 ozs. 50 cts, 24 ozs. $1, 48 ozs. $2, gal. $4, 5 gals. $17.50, 10 gals. $34.

INOCULATING CULTURES

Mulford Cultures are used to treat or inoculate seeds or soil at the time of planting all legume crops. They are supplied for only such crops as alfalfa, all kinds of clovers, cowpeas, soya or soybeans, Canada field peas, peanuts, vetch, sweet peas, garden peas, garden beans, and lima beans. When ordering please state for what crops wanted. Garden size (1/2 acre), 50 cts., postpaid; 1-acre size, $1.50, postpaid. By express, not prepaid, 5-acre size, $5. Write for Mulford Culture Book; mailed free.

Fargomerm. Excellent, high-bred, nitrogen-fixing bacteria. Seed inoculated with Fargomerm will produce far better results. This is worth its weight. Supplies for all clovers, garden peas and beans, sweet peas and all other peas. In ordering, state what crop or crops is to be used for, 1/2 acre size, for 1/2 acre, 25 ccts.; garden size, for 1/4 acre, 50 cts., 1-acre size $1.50, 5-acre size $5. Send for literature.

Try inoculating your Sweet Pea seed this year with either of the above excellent cultures. The result will prove to be worth the effort.

HOUSE FERTILIZERS


The Kirke System of fertilizing, etc., means the attachment to your garden or greenhouse hose of a cylinder containing a readily soluble high-grade fertilizer or insecticide cartridge. The flow of water through the feeder and hose gradually dissolves the cartridge and insures positive distribution of fertilizer or insecticide over lawn or plants. Clean, odorless, efficient, economical; yet it is made of metal, nickel-plated, is easily attached and convenient. Write for descriptive folder.

Mail Wt. Each 1/4oz. Doz.
Kirke Cartridge Feeder. 1 lb. each $2.00
Kirke Fertilizer Cartridge... 7 lbs. doz. 20 $1 10 2 00
Kirke "Tobacco" Insecticide Cartridges... 6 lbs. doz. 30 1 60 3 00
Kirke Arsenate of Lead.... 4 lbs. doz. 20 1 50 2 00
Kirke Insecticide Cartridges... 71/2 lbs. doz. 40 2 25 4 00
Kirke Bordeaux Cartridges... 5 lbs. doz. 25 1 35 2 50
Kirke Sulphur Cartridges... 6 lbs. doz. 30 1 60 3 00
If by Parcel Post add postage, see inside front cover

FOR SPRAYERS FOR THE APPLICATION OF INSECTICIDES, ETC., SEE VOLUMES 60 AND 61
NOLL'S RELIABLE SPRAYERS

The Auto Spray No. 1

This Sprayer is the standard of all compressed-air Sprayers and is in very great demand. It is probably the first real successful compressed-air Sprayer ever put on the market. No Sprayer is sold under a broader guarantee for efficiency and durability. The Auto Spray must please, and will accomplish all that any first-class Sprayer will, or the purchase price will be refunded. It is exceptionally strong and entirely practical for all limited uses, and is even used with great satisfaction in many large operations. No other compressed-air Sprayer will do such a variety of work and do it so well. It will successfully spray vines, potatoes, field crops, bushes, shrubbery and low trees; will whitewash the poultry house and handle insecticides, fungicides, disinfectants, shaped to the dip, cattle-fly oil, etc. Even large orchard-owners use the Auto Spray No. 1 for small work. There is not a good feature in any other compressed-air Sprayer that is not found in the Auto Spray No. 1, and there are many improvements in the Auto Spray No. 1 which are not to be found in any other compressed-air Sprayer.

This Sprayer when properly charged contains three gallons of solution and about one gallon of compressed air. It is the strongest and simplest in its working parts of any compressed-air Sprayer. The tank construction is the strongest ever invented, having reinforced seams at top and bottom, all seams being locked, soldered, and riveted; and it is the only tank which absolutely does not require a safety valve. Tanks supplied in either heavy brass or galvanized iron. Two pumpings of about 15 strokes on the plunger will discharge the entire contents under high and constant pressure. After pumping, the operator has nothing to do but to put on the spray, the air-plunger is automatically forcing out the solution for a period of from 6 to 15 minutes, according to the nozzle opening. The pump is of large capacity, seamless brass, 2-inch diameter, insuring rapid pumping and a constant high pressure. The pump plunger can be removed and reinserted by simply drawing the leather cup into a sleeve.

Equipment. The Auto Spray No. 1 is regularly equipped with carrying strap; 2 feet of extra-fine quality 1½-inch hose, which is wired at tank connections to prevent cracking; fine spray nozzle; solid stream cap and shut-off; and tank as selected and at prices below. This equipment is satisfactory for low work. For spraying higher trees, etc., order extension rod as below.

Dimensions. Auto Spray No. 1, diameter 7 inches; height 2 feet; capacity 3½ gallons. Weight, empty, 7 pounds; loaded 39 pounds; shipping weight, 15 pounds.

NET PRICES OF AUTO SPRAY NO. 1 (Not prepaid.)

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Auto Spray No. 1-A</td>
<td>brass tank with stop-cock</td>
<td>$8.00</td>
</tr>
<tr>
<td>Auto Spray No. 1-B</td>
<td>brass tank with Auto-Stop nozzle</td>
<td>$8.50</td>
</tr>
<tr>
<td>Auto Spray No. 1-C</td>
<td>galvanized tank with stop-cock</td>
<td>$5.00</td>
</tr>
<tr>
<td>Auto Spray No. 1-D</td>
<td>galvanized tank with Auto-Stop nozzle</td>
<td>$5.50</td>
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</tbody>
</table>

NET PRICES OF EXTRA ATTACHMENTS.

<table>
<thead>
<tr>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Extension Pipe, 2 ft., brass for high trees (P.P. 8 ozs.)</td>
<td>$0.60</td>
</tr>
<tr>
<td>Torch, for burning worms' nests; forces flame 4½ ft. from outlet (P.P. 1 lb.)</td>
<td>$1.00</td>
</tr>
<tr>
<td>Brass Elbow, for reaching under trees, etc. (P.P. 4 ozs.)</td>
<td>$0.30</td>
</tr>
<tr>
<td>Brass Strainer, for straining whitewash, etc. (P.P. 2 lbs.)</td>
<td>$1.00</td>
</tr>
<tr>
<td>Two-Row Attachment of heavy brass, with 2 nozzles, for spraying 2 rows of crop at one operation.</td>
<td>$1.50</td>
</tr>
</tbody>
</table>

Knapsack Sprayer

A Knapsack Sprayer and Bucket Sprayer combined. Five-gallon brass or galvanized tank, brass pump with bronze valve. Excellent for carrying around the garden among shrubbery, and for tree work, etc. A man can spray 5 to 6 acres of vines in a day with this outfit. Can be used as a bucket spray on the ground with extra handle supplied. These outfits have 5 feet of 3½-inch hose with discharge pipe, under-sprayer and Bordeaux nozzle. Weight, boxed for shipping, 40 pounds. Prices, not prepaid.

Success (as in cut), brass tank... $20.00 Prize, galvanized-iron tank... $12.00

Standard Spray Pump

This handy and simple Sprayer consists of a cylinder and a plunger, both of heavy-gauge brass tubes. To the plunger is attached the handle and the necessary nozzles. To the lower end of the cylinder is attached the hose through which the pump draws the supply of liquid. Cylinder is 1½ inches in diameter and 18 inches long; plunger ¾ inch in diameter. Over-all length is 27½ inches (not including hose) and weight is just over 3 pounds. It is operated like a "squirting gun." The Standard Spray Pump is not a double-acting pump, spraying on the down stroke only but, by making the return stroke quickly, practically a continuous flow of spray may be obtained and a considerable height may be reached. This sprayer may be used in conjunction with a bucket, barrel, knapsack, or in fact anything that will hold the liquid.

Prices, not prepaid.

<table>
<thead>
<tr>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard Spray Pump, with 3½ ft. hose and nozzles</td>
<td>$4.25</td>
</tr>
<tr>
<td>&quot;Potato&quot; Extension Attachment</td>
<td>$0.90</td>
</tr>
<tr>
<td>&quot;Knapsack&quot;, ready for attaching to pump</td>
<td>$3.00</td>
</tr>
<tr>
<td>Standard Spray Pump with Knapsack and Potato Attachment</td>
<td>$8.00</td>
</tr>
</tbody>
</table>

Parcel-post weights are indicated above on mailable articles. If ordered by mail, allow extra for postage. See inside front cover. PRICES ABOVE SUBJECT TO CHANGE WITHOUT NOTICE.
For the a end of the oils, quart. 1 quart. $0.25.

Gardener's Choice Spray Outfit

This is one of the most convenient spraying outfits for general use. As an all-round utility Sprayer it cannot be beaten. It is particularly adapted for both the garden and greenhouse, also for orchard use, as well as for spraying live stock in the barn and livery stable. It is a splendid washing-outfit, as the pump is strong and durable, and has a good agitator. The Gardener’s Choice is an equipment that is easily worth $5 more than we ask for it; truly it is the greatest value in spray pumps we have; the reservoir holds 25 gallons; the pump has a brass cylinder and with hose and nozzle is a complete equipment. Price (not prepaid), complete as in cut, $22.

Continuous Hand Sprayer

The Best Hand Sprayer we offer for the money we ask. As the name implies, this Sprayer is so constructed that it not only sprays on the downward stroke of the plunger but also when it is drawn back, thus causing a continuous mist-like spray. Spray tube, nozzle, and siphon tube are removable. Also the brass-ball check valve is easily accessible. Air chamber measures 14 inches in length by 1 1/4 inches in diameter. Solution tank holds 1 quart. Will handle fly oils, disinfectants, insecticides, and the regular spraying materials with great rapidity, giving a fine, effective spray.

All Tin .................. $0.85
All Galvanized........ 1.15
All Brass ............... 1.50

PRICE, NOT PREPAID

FOR INSECTICIDES SEE PAGES 58 AND 59. PRICES SUBJECT TO CHANGE WITHOUT NOTICE

The Success Bucket Sprayer

The best Bucket Sprayer on the market. The most popular Sprayer we know, and an exceptional article for the price we ask. The Success Spray Pump, by its truly excellent qualities, is a Success in fact as well as in name. "Nothing succeeds like Success." For the garden, small orchard, greenhouse, poultry house, garage, and home, this pump is indispensable. Every household should own one. For washing windows, carriages, automobiles, whitewashing, etc., and for putting out fires, the Success Bucket Sprayer is hard to beat. If a neighbor of one who owns a Success Spray Pump sees him using it, he also is sure to want one. This Spray Pump is made entirely of brass on the foot-rest and hand-grip. It is made with a large air chamber, is double acting, throwing an absolutely continuous and steady stream, solid or fine spray, as desired; is very lightly carried, and can be used as bucket or tub. The price below does not include bucket, but includes nozzle and 3-foot section of 3/4-inch hose. Shipping weight, 10 pounds. Price (not postpaid), $5.

The Fruitall Spraying Outfit

A simple, high-grade, up-to-date pump embodying several important improvements. All working parts of brass, accessible and easily moved for cleaning. It can be mounted on or removed from barrel by two thumb screws. Large air chamber of unusually large capacity. A long, adjustable handle. The pump is low down and within the barrel, thus offering no obstruction to limbs, and is not too heavy. The pump is large, but easily operated by one person. The agitator is mechanical in action, and much superior to the old "return discharge." The most efficient and satisfactory spray pump ever offered. Price (not prepaid), Fruit-all Pump, with agitator only, $9.50; Fruitall Pump, with barrel, $13.90; Fruitall Outfit C, Spray Pump with agitator and 13-foot section of 3/4-inch discharge hose and "Mistry, Jr." spray nozzle, $13.50; with barrel, $17.50.

Noll's Special Hand Sprayer

For all general purposes, fly oils, disinfectants, spraying materials, etc. The special arrangement of the spraying tube thoroughly breaks up or atomizes all oils and solutions into a fine mist-like spray, which penetrates all cracks and crevices. Air chamber 14 1/2 inches long and 1 1/4 inches in diameter. Solution tank ends are double seamed and rolled on, making tank non-leakable. Best plunger leather obtainable is used. Tank capacity 1 quart. Price (not prepaid): Heavy sheet tin, 60 cents; heavy sheet brass, $1.25.

Midget Hand Sprayer

Designed for domestic uses, conservatories, for spraying, fly oils, disinfectants, furniture polish, etc. Equipped with drip cup to catch any solution, while operating, that may accumulate at the end of the spray tube. Made of good quality tin; cylinder 14 inches long by 1 1/4 inches in diameter; tank capacity 1 pint. Price (not prepaid), 35 cents.

The New Kant-Klog Sprayer

Kant-Klog Sprayer, style G, is operated by compressed air, with a patented Kant-Klog nozzle that throws seven different sizes of round or flat sprays and solid streams. The air pump is made of heavy brass 2 inches in diameter; hose couplings are solid brass. A few seconds’ working of the air pump agitates the solution and charges the sprayer with compressed air. The tank holds 3 gallons of solution and 1 gallon of compressed air; and two workings of the air pump will discharge the entire contents. Used in greenhouses, poultry houses, the garden, and for all plant life including trees. By express or freight, not prepaid. Galvanized-steel reservoir, Kant-Klog nozzle, complete, $9.50. With brass reservoir, complete, $8.
FARM AND GARDEN IMPLEMENTS

Plows

Boss Combination Plow. The handiest one-horse turning Plow for general use. Actually four plows in one. It can be worked as a medium and heavy one-horse plow, and as a plow for operating among cabbage, strawberries, etc. $5.75; with the double mold and share $8.

No. 1-B South Bend One-Horse Plow. This is larger than the No. 62 and is one of the most desirable one-horse Plows on the market for garden work. Has a furrow capacity of 3¾ by 9 inches. Including devil, wrench, and extra share, $6.

No. 2 South Bend Plow. This Plow is designed for one heavy horse or two light horses. This Plow is in big demand all over the country, being used in nurseries, gardens, etc. Has a furrow capacity of 6 by 10 inches. Can be fitted with jointer and wheel level if desired. $9.

Little Captain Plow No. 62. No. 62 is one of the finest Plows of its capacity on the market today. The moldboard, landside, and share are removable, being separate from the standard. It is constructed much like all the South Bend Chilled Plows. This Plow is sold at a very reasonable price and we are sure you cannot buy any other Plow of its size that will give the same satisfaction. Furrow capacity of 4 by 7 inches. Is made in right-hand and wood beam only. Plow complete, $4.

Harrows

Acme Pulverizing Harrow. A Harrow that crushes, cuts, turns, smooths, and levels all in one operation. Two-horse size, cuts 6½ feet. $24.

Steel Disc Smoothing Harrow. Frame measures 6 feet 8 inches by 6 feet and has four sets of rollers, having 58 discs 8 inches in diameter. Two-horse size, $24; one-horse size, $23.75; 8 ft., with 82 discs 10 inches in diameter, $35.

All Steel Flexible Disc Harrow. The only Disc Harrow having independent adjustable spring pressure upon the inner end of each gang of discs, allowing any pressure to be thrown upon the inner ends of the gangs by foot of operator.

No. 3, two-horse, has twelve 16-inch discs; cuts 6 feet, with solid discs. ........ $31.00

No. 3½, two-horse, has twelve 16-inch discs; cuts 6 feet, with cut-out discs. ........ 33.00

Whiffetrees and neck-voke, two-horse. .......... 2.50

In addition to the above-named plows and harrows, an assortment of which we always carry in stock, we can supply at short notice plows and harrows of any make to meet the requirements of our customers.

Iron Age Tools

No. 19C Wheel Cultivator and Plow. ........ $4.50

No. 9 Single Wheel Hoe. .................. 6.50

No. 1 Double and Single Wheel Hoe. ......... 8.75

No. 3 Double and Single Wheel Hoe. ......... 9.50

No. 6 Double and Single Wheel Hoe and Drill Seeder. .................. 15.00

No. 600 E.L. Horse Hoe and Cultivator, with lever expander and lever wheel. ....... 8.60

Send for Iron Age catalogue.

The New Model Seed Drill

This excellent tool has been in use for a great many years. It always gives satisfaction. It is strongly made, sows any kind of seed with dependable regularity, and is one of the steady reliable. $10.

The McWhorter Man Power Fertilizer Distributor

Any commercial fertilizer can be applied with it in any desired quantity from 3 pounds to 40 pounds per 100 yards of row. It will distribute broadcast or in furrows or between rows, or both sides of one, two, or four rows, according to their distance apart, at one operation. The fertilizers is forced through eight distributing spouts which may be contracted to cover a 4-inch strip; or they may be spread into any position not exceeding 2¾ feet in width. For top dressing strawberry beds, lawns, etc., as well as for rowed crops, it is a boon. Easily worked by man or boy. Weight 61 lbs. $12.

The King of the Cornfield Planter and Fertilizer Distributor

Popular one-horse planter for corn, beans, beets, buckwheat, etc. Will plant 4½, 9, 12, 18, 24, 36, and 72 inches apart any quantity of seed required, in hills or drills of uniform depth, opening the furrow, planting, evening, rolling down, and marking the next row at one operation. Simple construction, no complicated parts. $26.

The New Columbia Planter

Far surpasses last year's model. The greatest thing for sowing peas on the market. Made with geared or cog-driven seed delivery, consequently will sow with absolute regularity no matter what the speed of the operator. Bunching of seed in one place and none at all in others is impossible. There are thirteen different speeds for each cylinder, sowing thirteen different quantities without removing the cylinder from its place for each kind of seeds. Every seed is carried to the ground and covered, not a seed can escape nor pass through the machine unless the machine is in gear and ready to do its work, nor can a seed be shaken out when the machine is out of gear. It will sow all vegetable and flower seeds with perfect uniformity and at any required depth. Full instructions with each machine. $11. Special bean spool, 80 cts. Extension hopper, useful when sowing large areas, 50 cts.

PRICES ABOVE SUBJECT TO CHANGE WITHOUT NOTICE

62
"Planet Jr." No. 25 Combined Hill and Drill Seeder, Double and Single Wheel Hoe, Cultivator, and Plow

It is large enough for field use, for it holds 2½ quarts. As a Drill it is almost identical with the No. 4 Drill; will sow in drills or hills, 4, 6, 8, 12 or 24 inches apart, and has the same automatic device for throwing out of gear and the new combined cut-off and seed index with thumb-screw adjustment. Accurate in sowing all kinds of garden seed in either hills or drills. As a wheel hoe it is identical with the No. 12 Double Wheel Hoe. The change from drill to wheel hoe takes but a moment. Price, including one pair of 6-inch hoes, four cultivator teeth, one pair plows, two leaf-guards, and one marker, $16. Shipping weight, 61 lbs.

"Planet Jr." No. 4 Combined Hill and Drill Seeder, Single Wheel Hoe, Cultivator, and Plow

Same as above, but combining a single instead of a double wheel hoe. Price, including one pair of 6-inch hoes, three cultivator teeth, one garden plow, one leaf guard, and one marker, $13.25. Shipping weight, 50 lbs. As a Seeder only, $10.75.

"Planet Jr." No. 16 Single Wheel Hoe, Cultivator, Rake, and Plow

This Single Wheel Hoe has a very full set of tools. It has a 15-inch steel wheel with broad face, and is very light, strong, and easy running. It has adjustable handles and quick-change steel frame. The tools are all self-shaped for marking out, plowing, covering, and late cultivation; a pair of 6-inch shield hoes and three all-steel patent cultivator teeth; also one large garden plow, one 7-inch rake, and one 4-inch rake. A practical leaf-guard holds up the plants, while thorough work is being done underneath; the frame changes in height, and the wheel may be attached to the other side of the frame, when both sides of the row may be hoed at one passage. Price, complete, $7.25. Shipping weight, 26 lbs.

"Planet Jr." Fire-Fly Hand Garden Plow

This tool is exceedingly useful to owners of small gardens. It will throw a furrow 4 to 6 inches wide and 1 to 3 inches deep, and deeper by going twice. Furrows for manure or seeds can be opened and covered.

In cultivating, plow away, weed, and plow back again. This tool will enable a busy man to do his spare minutes nearly all the work of a family garden. Chicken raisers find a great advantage in plowing up their scratching yards. Price, $2.75. Shipping weight, 14 lbs.

No. 11 Double Wheel Hoe, Cultivator, and Plow

It has 14-inch steel wheels, which can be set at four different distances apart; the steel frame can be set three different heights. The handles are adjustable, and being attached to the arch which is 20 inches high, are undisturbed in making changes of adjustment in frame, wheels, or tools.

The blades are of tempered and polished steel. Price, No. 11, including one pair 6-inch hoes, one pair 4½-inch hoes, four steel cultivator teeth, one pair plows, two 3-tooth rakes, two 5-tooth rakes, and two leaf lifters, $11. Shipping weight, 39 lbs. No. 12, as in cut, less rakes and 4½-inch hoes, $8.75. No. 13, same frame and wheels as Nos. 11 and 12, but with one pair 6-inch hoes only, $6.

12-tooth Harrow, Cultivator, and Pulverizer

A high frame and 12 chisel-shaped teeth. The foot lever pulverizer is a capital addition for preparing ground for the seed drill or for plant setting. Hand levers regulate both width and depth while in motion; it contracts to 12 inches and expands to 32 inches. It cultivates deep without throwing earth upon the plants, and the smooth, round-throated teeth turn strawberry runners without injuring them. Price, complete, No. 90 (with steel lever wheel and pulverizer), $11.50. Shipping weight, 74 lbs. No. 90 B (less pulverizer), $9.90. Shipping weight, 66 lbs. No. 91 (without wheel lever or pulverizer but with plain wheel), $9. Shipping weight, 59 lbs.

"Planet Jr." No. 7 Horse Hoe and Cultivator

This is no ordinary, heavy, clumsy cultivator, but an implement made scientifically correct and entirely of steel. The patent frame is extra long and 2 inches higher than other cultivators, the standards being hollow, giving great strength and remarkably light weight, consequently it is easy for both man and horse to work. The cultivator, teeth, hoes, etc., are of the finest quality of ease hardened, polished, beveled steel that will retain an edge and will not clog in the stickiest soil. The lever expander gives from 10 to 25 inches in width. Price, with four 3-by-8-inch cultivating steels, one 4-by-8-inch cultivating steel, one pair 6-inch hillers, one 7-inch shovels hand, lever expander, and lever steel wheel, as in cut, $11. Shipping weight, 77 lbs. With depth regulator additional, order as No. 8, price, $11.50. Shipping weight, 83 lbs.
POULTRY FOODS

We list and sell only the highest grades of Poultry Foods, etc., and sell at prices as low as is consistent with quality. Our new "Economy Brand" Scratch, Mash, Chick, and Pigeon Foods are typical of the high standard we have set. All prices below include local delivery but are subject to change without notice, being based on market conditions. For Incubators and Brooders, page 57.

Noll’s Economy Brand Scratch Food. Compounded from good, sweet, clean grains only, a perfectly balanced egg ration, suitable for feeding the year round, thus insuring a healthy, hardy flock of birds. There is no substitute for this class of food; it is indispensable. We have more than doubled our sales on this Scratch Food and consider this our best testimonial. 5 lbs. 25 cts., 10 lbs. 45 cts., 25 lbs. 90 cts., 50 lbs. $1.70, 100 lbs. $3.10, 500 lbs. $14.75, 2,000 lbs. $38.

Noll’s Economy Brand Mash Food. Not a grain mixture only, but containing the correct percentage of animal and vegetable protein, and a small amount of fat. The correctly balanced ration for laying fowls, giving a heavy production of fertile eggs. 5 lbs. 25 cts., 10 lbs. 45 cts., 25 lbs $1.10, 50 lbs. $3.10, 100 lbs. $15.25, 2,000 lbs. $60.

Noll’s Economy Brand Chick Food. Safe and nourishing food for young chicks just out of the shell, and will carry them right along until maturity. 5 lbs. 25 cts., 10 lbs. 45 cts., 25 lbs. $1, 50 lbs. $1.90, 100 lbs. $3.30, 500 lbs. $17.25, 2,000 lbs. $68.

Noll’s Economy Brand Pigeon Food. A balanced grain ration, very popular with pigeon fanciers, producing large squabs, with fine, light-colored meat. 5 lbs. 25 cts., 10 lbs. 45 cts., 25 lbs. $1, 50 lbs. $1.90, 100 lbs. $3.50, 500 lbs. $17.25, 2,000 lbs. $68.

Alfalfa Meal. The leading green food substitute, containing from 14 to 17 per cent protein. Feed freely in wet mash, or by itself, slightly moistened. 5 lbs. 20 cts., 10 lbs. 35 cts., 25 lbs. 75 cts., 50 lbs. $1.45, 100 lbs. $2.75, 500 lbs. $13.25, 2,000 lbs. $50.

BIRD SEED, ETC.

All reclassed at our warehouses, and up to the mark in every respect. Prices subject to change.

Bird Gravel. 1-lb. pkg. 8 cts., 3 lbs. 20 cts.

Bird Manna. Pkg. 15 cts.

Canary Seed (Pure). Lb. 15 cts., 5 lbs. 70 cts., 10 lbs. $1.30, 50 lbs. $5.90, 100 lbs. $10.

Cuttle-Fish Bone. 3 for 10 cts.

Flax Seed (Whole). Lb. 12 cts., 3 lbs. 30 cts.

Flax Seed (Ground). Price same as Whole for Same use.

Hemp Seed. Lb. 15 cts., 5 lbs. 70 cts., 10 lbs. $1.30, 25 lbs. $3.

Maw Seed. Lb. 20 cts., 2 lbs. 35 cts.

Millet. Lb. 10 cts., 5 lbs. 35c., 10 lbs. 65c., 25 lbs. $1.40.

Mixed Bird Seed. Combines only reclassed seeds. Lb. 10 cts., 5 lbs. 40 cts., 10 lbs. 75 cts., 25 lbs. $1.75.

Rice. Lb. 17 cts., 5 lbs. 70 cts., 10 lbs. $1.25, 25 lbs. $2.75.

Song Restorer, Burnetts’. Pkg. 15 cts.

Sunflower, Large Russian. Lb. 15 cts., 5 lbs. 70 cts., 10 lbs. $1.35, 25 lbs. $3, 50 lbs. $5.75, 100 lbs. $11.

MISCELLANEOUS

Mapes’ Manures

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<td>100 lbs.</td>
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<td>General Crop.</td>
<td>War Special.</td>
<td>2-8</td>
<td>$2.00</td>
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<td>Corn Manure.</td>
<td>War Brand.</td>
<td>3-8</td>
<td>2.50</td>
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<tr>
<td>Cereal Brand.</td>
<td>War Special.</td>
<td>3-8</td>
<td>2.20</td>
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<tr>
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<td>War Brand.</td>
<td>7-8-1</td>
<td>3.60</td>
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<tr>
<td>Potato Manure.</td>
<td>War Brand.</td>
<td>5-8-1</td>
<td>3.00</td>
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Per cent analyses given above are Ammonia, available Phosphoric Acid, and Potash.

For those Rat Pests use R A T C U R E Just the thing to kill those rats and mice that are after your eggs and chicks. In tablet form. Chickens, dogs, and cats will not touch the tablets. Easy to feed; no mixing with other foods. Kills 4 rats for 1 cent. In two sizes— 100 tablets for 25 cts., 1,500 tablets (1 pound) $3.

Atkinson’s Sanitary’ Absorbent

For poultry dropping boards. Kills all hen-house disease germs, and absorbs all odors, keeping the boards sweet and clean. A concentrated product. Must be mixed with equal weight of fine sifted coal ashes. 100-pound sack makes 200 pounds. Health for your flock costs you nothing, as the manufacturer will buy back the droppings on which the absorbent has been used, to use in making other products. According to agreement printed on shipping tags. 25-lb. bag $1.25, 100-lb. bag $4.

FOR GENERAL LIST OF FERTILIZERS, SEE PAGE 57
CONKEY’S CURES.

Bronchitis Remedy. 50 cts. postpaid.

Buttermilk Clarifying Food. 25 lbs. and 50 cts.

Chicken-ox Remedy. 50 cts. postpaid 55 cts.

Choleria Remedy. 25 cts. and 50 cts. postpaid.

Fly Killer (not mailable). 40 cts. and $1.00.

Gape Remedy. 50 cts. postpaid 60 cts.

Head Lice Ointment. 1-oz. tube 10 cts., 3-oz. tube 25 cts.

Healing Salve. 25 cts. postpaid.

Laxative. 25 cts. postpaid.

Lice Liquid. 1 qt. 35 cts. postpaid 60 cts., 1 gal. $1 (not mailable).

Lice Powder. 15 ozs. 25 cts. (P.P. 1 lb.), 3 lbs. 50 cts. (P.P. 4 lbs.).

Limber Neck Remedy. 50 cts. postpaid 55 cts.

Nose-cte. A soluble disinfectant. Pt. 30 cts., gal. $1.50 (not mailable).

Poultry Conditioner. 25 cts. postpaid 30 cts.

Chicken-ox Tonic. 1/12 lbs. 25 cts. (P.P. 2 lbs.), 3 lbs. 50 cts. (P.P. 4 lbs.), 7 lbs. $1 (P.P. 8 lbs.).

Poultry Worm Remedy. 50 cts. postpaid 55 cts.

Roup Remedy. 25 cts. 50 cts., and $1 postpaid.

Scaly Leg Remedy. 25 cts. postpaid.

White Diarrhoea Remedy. 25 cts. and 50 cts. postpaid.

PRATT’S REMEDIES.


Sore Head and Chicken-ox Remedy. Pkg. 25 cts., postpaid 30 cts.


RUPENE'S REMEDIES.

Egg Producer. Have your fowls stopped laying? This will start them again. Lib. 25 cts. (P.P. 2 lbs.), $1 00 8 lbs. 50 cts. (P.P. 3 lbs.), $1 00 6 lbs. $1.00, 2 lbs. 25 cts. $3.50.

Rust’s Havens Climax Powder. Needs but a trial and you become a steady user. A preparation by itself. Mix 1 pound pail powder with water so that mixture dissolved, improves digestion and assimilation. 25-1 ozs. pkg. 25 cts. (P.P. 1 lb.), 2 lbs. 50 cts. 5 lbs. $1 (P.P. 6 lbs.), 20 lbs. $3.50.

Lice Killer. Pkg. 10 cts. (P.P. 1 lb.), 25 cts. (P.P. 4 lbs.), 50 cts. (P.P. 8 lbs.), 2 lbs. 50 cts. (P.P. 4 lbs.), 4 lbs. 11.10 (P.P. 8 lbs.).


Roup Pills. 25 cts. and 50 cts. postpaid.

Rust’s Soluble Roup Powder. 4 ozs. 25 cts., 9 ozs. 50 cts.

SMITH’S REMEDIES.

Chickens. 10 cts. and 25 cts.

Germicide. 25 cts. and 50 cts. (not mailable).


MISCELLANEOUS REMEDIES.

Poultry Pan-acea-a. Makes poultry healthy; makes hens lay and young grow fast. Worth a trial. We sell a lot of it. 1/2 lbs. 25 cts. (P.P. 2 lbs.), 5 lbs. 60 cts. (P.P. 6 lbs.), 12 lbs. $1.25 (P.P. 13 lbs.), 25 lbs. postpaid 50 cts.

STERILWORTH EGG TABLETS. 25 cts. and 50 cts.

WEAK-NEE-WELL. For leg weakness. 28 cts. and 80 cts. for 25 cts.

WHITING’S ROUPENE.

Will positively cure the most dreaded form of roup, namely diaphoretic roup. Roupene will be found an infallible preventative and a sure cure for other forms of roup, canker, chicken-ox, sore head, grip, and other diseases of the respiratory organs in fowls of all breeds. You do not have to use the sick fowl from the rest of the flock. The use of Roupene will save your little chicks from that dreaded disease, white diarrhoea. Directions on bottle. 50 cts. postpaaid 55 cts.; $1, postpaid $1.05.

Whiting’s White Diarrhoea Remedy. 50 cts. and $1.

CAPONIZING SETS (postpaid).

Greiner’s. $3.

Lansdowne No. 2. $3.50.

Pilling Special. $4.

COLLINS, Red Chief. $2.50 each.

DISINFECTANTS (not mailable).

Conkey’s Nox-i-cide. A soluble disinfectant, deodorant and germ destroyer. Pt. 35 cts., qt. 60 cts., gal. $1.50.

D.T. Sulphur. Fine 50 per cent. D.T. Sulphur. May be used to good advantage. Good for roop, canker, chicken-ox, cholera, scaly leg, gape, etc. 12 ozs. 50 cts., 1 qt. 75 cts., 1 gal. $2.

For Incubators and Brooders, see page 68.

PRAWNO ABOV SUBJECT TO CHANGE WITHOUT NOTICE

65
FEEDERS, FOUNTAINS, ETC.

The Norwich Automatic Air-Lock Fountain
The most perfect device ever placed on the market for automatically supplying pure, fresh water in the poultry house. It requires cleaning only about once in three months. Guaranteed frost-proof to ten degrees below zero, and has been operated at temperatures of fifteen below. Fitted with detachable removable oil chamber, heat generator, etc. Made in one size only, 5-gal. capacity. Complete with burner base (17 lbs.), $4, without burner base, $2.50.

Sexton's Dry Feed Hopper
Simple in construction, easily operated, and absolutely rat- and mouse-proof. The lower cover is so arranged that it is held up by locking the top cover of Hopper over same, and by raising the top cover, the lower cover will fall in place. This Hopper is arranged to hang and need never be removed from the wall to be refilled. It is impossible to waste any feed as the pan at the bottom takes any feed that may be picked out and the last crumb can be used. The body being covered keeps feed dust-proof and clean, and always dry. Body is made of galvanized iron and the grating is of round, galvanized wire, preventing the poultry from cutting their bills.

No. 5, 24 qts. capacity ........................ $1.60
No. 1, 12 qts. capacity ........................ 10
No. 2, 3 qts. capacity (chick size) .......... 85

Sexton's Automatic Poultry Feeder
When Feeder is first put up, scatter a few grains of feed on the bottom edge of spreader. The fowl will then pick at the grain and so will cause the rod to vibrate, which makes more grain drop from the hopper on to the spreader. The grain may be fed fast or slowly by adjusting the set screw. Will pay for itself in a short time as the feed is not wasted and it keeps the fowl busy and healthy. Suspend feeder so that bottom is 10 inches from the floor.

No. 0, 7 qts. ............................ $1.25
No. 1, 12 qts. ........................... 1.50
No. 2, 17 qts. ........................... 1.75
No. 3, 30 qts. ........................... 2.50

Norwich Automatic Exerciser and Feeder
The Feeder is operated by birds rotating the bait bar; the grain, escaping from the hopper, rattles down on the deflector and is scattered on the floor in a wide even circle. The birds are kept constantly at work while feeding. Flow stops instantly when bait bar stops revolving. Flow is regulated by set valve; also height of bait bar from the ground is adjusted by adjustable iron legs. Saves grain, labor and time. Waste rain, rat-, and bird-proof.

No. 1, 8 qts. .............................. $3.00
No. 2, 14 qts. ............................ 3.90
No. 3, 20 qts. ............................ 4.90
No. 4, 32 qts. ............................ 6.00

The Apaco Automatic Poultry Feeder
Similar to above Feeder, but without the legs. Is suspended from above. A popular Feeder at a popular price. Made with 12-quart hopper, $1.25. Shipping weight, 5 lbs.

Norwich Automatic Dry Mash Hopper
The Hopper body is 9 inches in diameter by 27 inches in length. The feed basin is an open, round-bottomed trough swung in position under the spout by two vibrator rods which pass through the spout and hopper body and are attached to an adjustable cross bar near the top. The feed basin has universal movement and the very act of the birds feeding at the basin causes the rods to vibrate which absolutely precludes clogging. Made in one size only, 20 quarts capacity.

Without rain guard (as in cut), shipping weight 8 lbs.$2.50
With rain guard, shipping weight 11 1/2 lbs. 3.25

1-2-3 Shell, Grit, and Charcoal Feeder
A very convenient size for a pen of fowls. Will serve for one, two, or three kinds of feed by using the separator. 60 cts. and 85 cts.

For Incubators and Brooders, see page 68.

PRICES OF ABOVE SUBJECT TO CHANGE WITHOUT NOTICE

66
FEEDERS, FOUNTAINS, ETC.

**Moe's Hot Water Hover**

Tank, inside of galvanized iron cover, is packed with asbestos to retain the heat. Pipes of special metal; will not rust. Safe and simple.

- No. 55, 14½ in. diam.; 30 to 90 chicks. $3.25
- No. 56, 23½ in. diam.; 125 to 190 chicks. $5.50

**Moe's Never Fail Trap Nest**

A solution of all trapnest troubles. It never fails. Every nest set up and ready for use when shipped.

- No. 33, 12 by 12 by 12 in., complete. $1.00
- No. 34, for larger fowls, 12 by 12 by 14½ in. 1.25

**Moe's Round Baby Chick Feeder**

The most convenient and commodious feeder on the market. Can also be used for water.

- No. 11, small size. $0.15
- No. 12, large size. 25

**Moe's Sanitary Brooder Fountain**

Little chicks can’t get in corner of brooder. Can’t be upset. Can be hung up by hook which is on top of each fountain.

- No. 0, 1-qt. capacity. $0.25
- No. 5, 1-gal. capacity. 50

**Moe's Grit and Shell Boxes**

Grit, shell, and charcoal now a recognized essential part of the diet. Insuring healthy fowls, cannot be more economically supplied than in one of these boxes.

- No. 9, Moe's Grit Box, capacity about ½ bush. $0.50
- No. 90, four compartments. 75
- No. 45, two compartments for baby chicks. 30

**Moe's Sanitary Poultry Drinking Fountain**

Fills from the top. Dead air space keeps water cool in summer and from freezing in winter. Now made with square pan, which does away with spilling when hung up.

- No. 1, 1-gal. capacity. $1.00
- No. 2, 2-gal. capacity. 1.50
- No. 4, 4-gal. capacity. 2.00

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**The Duplex Fountain**

The most practical sanitary Fountain. This is a double fountain; keeps the water clean and pure.

- 4-qt. $0.65
- 8-qt. $0.90

**Peerless Drinking Fountain**

The water, protected from dirt and filth, is always pure. Easy to clean and fill, and fowl cannot injure their combs when drinking. Simple in construction, durable, practical, and adjustable.

- Brooder size. $0.30
- 5-qt. size. $0.65
- 10-qt. size. 90

**Apex Chick Feeders**

Made for brooder purposes, and are so arranged that the feed is always directly under the holes through which the chicks feed. They are made single and double.

- Single Feeders. 3 hole. $0.25
- 6 hole. 40
- Double Feeders. 10 hole. 55

**Mann's Green Bone and Vegetable Cutter**

For 40 to 100 hens use No. 7, for more than 100, No. 9. Patented new model automatic governing spring feed. Large, open-hinged cylinder, giving instant access to all working parts. Six special knives. Gear guard, anti-clog device. Heavy balance wheel, with adjustable handle.

- No. 5 B, with balance wheel. $8.80
- No. 5 BM, with balance wheel and iron stand. 11.50
- No. 7, with balance wheel and iron stand. 13.25
- No. 9, with balance wheel and iron stand. 20.25

Prices of power machines on application.

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**Prices on this page subject to change without notice**

**Have you tried Noll's Economy Brand Poultry Feeds? See page 64**
BUCKEYE HOT-WATER INCUBATORS

We are the sole agents in Newark and vicinity for the Buckeye Incubators, Brooders, Hovers, etc. The Buckeye Incubator is the best hot-water-heated machine on the market, and has the benefit of twenty-five years of practical demonstration. The boiler, hot-water tank, and tubes are made of pure copper and will last for an indefinite period. The case is made of California redwood, and is beautifully finished. Every part of the machine is mechanically perfect, and in simplicity of construction and in ease of operation it far excels any hot-water machine now offered to the public. Liberal guarantee of five years given by manufacturers to every purchaser of a Buckeye Incubator.

No. 14, Style E, 60-egg... $8 50
No. 15, Style H, 60-egg... 11 00
No. 16, Style E, 110-egg... 15 00
No. 17, Style E, 200-egg... 19 50

Standard Style
Made in six sizes
60 to 600 Eggs

CYPHERS HOT-AIR INCUBATORS

We are the sole agents in Newark and vicinity for the Cyphers Incubators, Brooders, Hovers, etc. The Cyphers Incubator is acknowledged to be the leading hot-air Incubator today and is built to hatch and to last. The manufacturers guarantee every machine to last ten years without repairs. Made in two styles, the well-known Cyphers Standard and the lower priced Columbia.

No. 0, Standard, 70-egg... $16 00
No. 1, Standard, 144-egg... 25 00
No. 2, Standard, 244-egg... 37 00
No. 3, Standard, 390-egg... 44 00
Small Columbia, 140-egg... 18 00
Large Columbia, 250-egg... 25 00

All materials used are of the best, latest improvements in both styles. Write us for Cyphers Catalogue.

SECURITY BROODER

This portable circular up-to-the-minute metal Brooder is made by the Buckeye Incubator Company and carries their guarantee. It consists of one metal shell within the other, with mineral wool packed between them. The Brooder body, held a few inches above the floor by three cast-iron legs, is hung with curtains. There are air-vents in the top and the well-protected oil-burner is safe. Diameter, 30 inches. Capacity, 100 to 150 chicks. $12.50.

CYPHERS BROODERS AND HOVERS

Cypher Brooders and Hovers are as well constructed and as well adapted for the uses intended as are the Cyphers Incubators. They are not only fireproof and insurable, but are the best designed, the most durable, the most convenient, and the most efficient indoor and outdoor individual hot-air brooding devices thus far placed on the market.

Style A, Outdoor Brooder... $15 50
Style B, Outdoor Brooder... 19 50
Style C, Outdoor Brooder... 21 00

Paradise Brooder... $14 50
Base Section... 24 00
Additional section, each... 16 00
Adaptable Hover, 100-chick... 10 00
Portable Hover, 100-chick... 10 00

Standard Colony Brooder

STANDARD COLONY BROODER

The most remarkable coal-burning Brooder ever invented. It is self-feeding, self-regulating, simple, safe, and everlasting. Cuts the cost of equipment and cost of operation to less than half. Reduces the time and labor to less than a fourth. Simple as a kitchen range. Broods from 100 to 1,500 chicks. $16. Write us for special circulars.

From ____________________________
Address ____________________________

J. F. NOLL & CO.
SEEDSMEN
115 MULBERRY ST.
NEWARK, N. J.

Fees for Money Orders drawn on Domestic Form

Payable in the United States (which includes Guam, Hawaii, Porto Rico and Tutuila, Samoa); or payable in Bermuda, British Guiana, British Honduras, Canada, Canal Zone (Isthmus of Panama), Cuba, Newfoundland, at the United States Postal Agency at Shanghai (China), in the Philippine Islands, or 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.

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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., 1915.)
FOR RENOVATING OLD LAWNS OR FOR MAKING NEW ONES YOU CANNOT IMPROVE ON THE

"FORBES" LAWN GRASS SEED

It will produce a perfect lawn in from four to six weeks after sowing. A trial will convince you of its sterling merits. Delivered to you free anywhere in the U.S. at 30c. per quart, 4 quarts for $1.00, $1.75 per peck, $6.00 per bushel of 20 lbs.

---

Application for Domestic Money Order

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

Amount

Dollars

Pay to Order of

J. F. XOLL & CO.

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

SEEDSMEN

Whose Address is

115 MULBERRY STREET

NEWARK, N. J.

Post Office

State

Sent by

(Same of Sender)

Address of sender

Purchaser must send order and coupon to payee.
RETAIL ORDER BLANK FOR SEEDS,

Plants, Bulbs, Implements, Tools, Fertilizers, Insecticides

Messrs. J. F. Noll & Co., give 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.

J. F. NOLL & CO., Inc., Seedsmen

(ALEX. FORBES, President) 115 Mulberry Street, NEWARK, N. J.

Send by __________________________ Date __________________________, 1917
(State if wanted by Parcel Post, Express, Freight or Steamer. Regarding Parcel-Post shipments see page 1)

To (Name) __________________________
(Mr., Mrs., or Miss; write name very plainly; always write name the same way)

P. O. Box, Street __________________________
or Rural Delivery __________________________

Post Office __________________________

County __________________________ State __________________________

Station or Exp. Office __________________________
(Only if different from Post Office)

Supt. or Gardener __________________________
(That we may enter his name for Catalogues)

Money Enclosed Amount

| Bills or Silver, \(\text{\textdollar}\) | | |
| Draft or Check, | | |

Ex. Money Order, Post-Office Order, Postage Stamps, Total,

For Parcel-Post Zone Map, etc., see page 1. If goods are wanted C. O. D., 25 per cent of the amount must accompany the order.

We deliver Free in the U.S. by Parcel Post, or to any Express Office or Freight Station, at our option Vegetable and Flower Seeds by the packet, ounce, and quarter-pound; also Lawn Grass Seed in any quantity. When mailable goods (that do not come under the above case) are wanted by Parcel Post, postage must be added at the zone rate; see page 1.

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Amount carried forward
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If wanted by Parcel Post add postage at zone rates for all goods that we do not deliver free; see page 1.

Total amount of order
J.F. NOLL & CO., Inc.
Alexander Forbes, Pres.
115 MULBERRY ST.
NEWARK, N.J.

THE "FORBES" LAWN GRASS

NOLL'S PERMANENT PASTURE