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Aggeler & Musser Seed Co.
LOS ANGELES

1931
Thirty-Eighth Annual Catalog

A&M reliable SEEDS

FEATURING

WHITE SPIRE Packet 25c
LILAC SPIRE “ 25c
CINDERELLA ” 35c
GIANTS OF CALIFORNIA ” 35c

PETUNIA

Cover Collection...1 packet of each (4 packets) for $1.00 postpaid.
General Directions for Ordering

NAME and ADDRESS—Be sure that your name and address are written plainly. Write in the proper place on the order blank Post Office, County, Rural Delivery, Box Number and nearest Express Office.

ORDER EARLY—We endeavor to ship all orders within 24 hours after we receive them, but during the rush season from February to April delays are sometimes unavoidable. If patrons can anticipate their wants and order early it will be to our mutual benefit.

REMITTANCES—Should be made by post office money order, express money order, or bank draft, for a sufficient amount to cover the entire order and postage, if any. Do not send currency. Should it be lost there is no recourse. Stamps of two cent denomination will be accepted for small amounts.

PARCEL POST—Unless otherwise stated, we pay postage on all seeds and bulbs quoted in this catalogue. On orders of larger quantity at "not prepaid" prices stated in the catalogue you pay the postage, express or freight. In such cases it will be necessary for you to send postage extra if you want it by parcel post, but if it is to be sent by freight or express you can pay the transportation charges at your freight or express office when you receive the goods. If you do not know the zone you are in from Los Angeles your postmaster or R. F. D. carrier can tell you. Parcel Post rates apply on weights up to 70 pounds in the first, second and third zones, and in all zones of 300 miles or more the limit weight is fifty pounds. Parcel Post rates are usually cheaper than express, with the added advantage of having the parcel delivered to your door.

TO FIGURE POSTAGE—First figure the total weight in pounds on "not prepaid" items you are ordering, then find zone you are in from Los Angeles. If you have ten pounds of "not prepaid" items and you are in the first or second zone the postage would be 16c., the third zone 26c., the 4th zone 44c., etc., straight across the chart giving the parcel post zone rates. (See chart of parcel post zone rates.) Seventy pounds is the weight limit in the first, second and third zones—fifty pounds the weight limit in all other zones. If larger quantities are wanted it will be necessary to put the order up in two or more parcels and the postage must be figured on parcel individually.

FOREIGN PARCEL POST—We pay postage on all Flower Seeds, Vegetable Seeds and Tree Seeds up to 10 lbs. For Field and all other seeds and for other articles listed in this catalogue add 14c. per lb. for postage.

ERRORS—While we exercise the utmost care in filling orders we find that occasionally errors occur, in which event we ask you to please notify us promptly and we suggest that you keep copy of your orders for comparison.

PRICES—In the event of unforeseen circumstances prices are subject to change without notice.

NON-WARRANTY—Note—There are so many contingencies to be encountered in growing plants from seed and in setting out plants that are dependent on the weather and other conditions over which we have no control, that success in planting is not altogether dependent on the seed or plant. We will send out only seed which we believe will grow and produce the kind of plant and variety represented, but:

Aaggeler & Musser Seed Co. give no warranty, expressed or implied, as to description, quality, productive- or any other matter of any seeds, bulbs, plants or trees they send out, and they will not be responsible in any way for the crop.

PARCEL POST ZONES FROM LOS ANGELES

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Arizona, Utah, Nevada—mostly in the 4th zone.
New Mexico and Texas in 5th and 6th zones.
Oklahoma, Kansas and Nebraska mostly in 6th zone.
Florida and South Eastern States in 8th zone.
We send A & M California grown seeds all over the world. They produce a bit of sunshine wherever they grow.
AGGELER & MUSSER SEED CO.
General Offices, Warehouses and Mail Order Dept.
Arcade Station P. O. Box 1228, 1934 E. 15th St.
LOS ANGELES, CALIF.
Stores: 750 S. Spring St., Los Angeles
131-135 N. Sixth St., Brawley, Calif.
838 W. 165th St., Gardena, Calif.
280 Main St., Watsonville, Calif.
767 Central Ave., Los Angeles
115 W. Church St., Santa Maria, Calif.
32 W. Gabilan St., Salinas, Calif.

Please forward the following ORDER for amount enclosed.

Name.................................................. (Mr., Mrs. or Miss; write name plainly)
Street.................................................. R. D. ............... Box............
Post Office........................................... P. O. Box.............
State......................................................
Date...................................................., 193.....

FORWARD GOODS BY—

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Name of Express Office or Freight Station...................................

NOTICE—Remittance by Postal Money Order is a guarantee against loss. We prefer them for our mutual protection. Use them if convenient.

NOTICE—We give no warranty, express or implied, as to description, quality, productiveness or any other matter of any seeds, bulbs, plants or trees we send out and we will not be in any way responsible for the crop. Aggeler & Musser Seed Co.

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Total

(OVER)
**EXTRA ORDER SHEETS AND RETURN ENVELOPES FURNISHED ON REQUEST**

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**NOTICE:** Please write below the names of any of your neighbors who would be interested in our catalog.
THIRTY-EIGHTH ANNUAL CATALOGUE

Aggeler & Musser Seed Company
General Offices, Warehouses and Mail Order Dept.
1934 East 15th Street
LOS ANGELES, CALIFORNIA

+++ STORES +++

Los Angeles, Calif., 750 South Spring Street
Brawley, Calif., 131-135 North Sixth Street
Gardena, Calif., 838 West 163rd Street
Watsonville, Calif., 280 Main Street

Los Angeles, Calif., 767 Central Avenue
Santa Maria, Calif., 115 West Church Street
Salinas, Calif., 32 West Gabilan Street

A&M
reliable
SEEDS

Founded in 1893, the Aggeler & Musser Seed Company now enters its 38th year as producers and distributors of high quality California seeds.

During this period we have introduced many excellent varieties of vegetables and flowers, which have played an important part in the upbuilding of Horticulture and Agriculture.

Throughout these pages will be found a listing of the choicest seeds, bred through years of intensive study—and this year we are offering for the first time many new varieties.

California seeds are grown and harvested under ideal climatic conditions, and their merit is attested by the great quantities being shipped to all parts of the world each year.

It is our earnest endeavor to maintain the confidence accorded us in the past, and to continue in our efforts of extending to our customers the high standard of A & M QUALITY and SERVICE.
Artichoke

Culture Sow any time except during hottest weather, when all seed beds require special care. Soil should be a free, moist loam and seeds should be planted an inch deep. Plant out when six inches high in rows four feet apart each way. Save offsets from best plants for new supply, as artichokes never come true from seed, some will prove inferior. When planting seeds, reject those with smallest leaves.

Green Globe (Pkt. 10c) (oz. 90c) (1/4 lb. $3.00) (lb. $9.00) postpaid.

A & M Asparagus

Culture Drill the seed thinly in rows fifteen inches apart during March or April. Thin out to two inches apart for strong plants. Exercise great care in preparing a field because it will last many years.

Transplant during February setting the roots one foot apart, in furrows four feet apart. Carefully spread out to avoid matting. The furrows should be ten or twelve inches deep and run North and South to get the sun on both sides of the rows. Cover the roots about three inches and as the plant grows throw the soil toward the plant. Each year when the berries are red, cut the plants close to the ground and let them dry. The entire field with Anchor Brand sulphur, to destroy any germs of mildew, red spider or rust that may be there. Keep a mulch over the row with a harrow, but cultivate only between the rows. Use stable manure liberally and hill up a little higher each year, irrigate freely during the growing period. Three pounds of seed is sufficient to plant an acre.

Mary Washington This is the latest introduction of the rust resistant varieties and the best with the advantage over all other varieties of being earlier, which means so much to the grower. (Per pkt. 10c) (oz. 35c) (1/4 lb. $1.25) (lb. $3.50) postpaid.

Argenteuil An excellent variety for the canner and early shipper. This variety is now more extensively grown by large planters and shippers because it is more prolific and stands shipping better. Also its purple tinge is attractive, and its excellent flavor puts it on an equal with the Palmetto for table use. (Pkt. 10c) (oz. 20c) (1/4 lb. 50c) (lb. $1.50) postpaid.

Palmetto A popular variety for the home garden or for shipping. The sprouts are green and of delicious flavor. (Pkt. 10c) (oz. 20c) (1/4 lb. 50c) (lb. $1.50) postpaid.

Asparagus Roots Plant one year old roots and do not cut them back. When planting see that the roots are well spread out so that the soil will touch every part. If this is not done the plant cannot thrive.

We grow our asparagus roots in good, clean land and they are given the very best attention in the way of cultivation. If you are planting an acreage of Asparagus tell us how many roots you expect to use and we will quote you prices on the larger quantity. Roots are usually ready for shipment about January 15th.

Mary Washington Roots—(50c per doz.) (100, $2.50) postpaid.

Palmetto Roots—(50c per dozen) (100, $2.25) postpaid.

Asparagus Knife Fish-tail Shape Also an excellent weeder. Price 50c each, 55c postpaid.

Asparagus Moss We always have on hand a large supply of moss for asparagus ships. Price on application.

Broccoli

A & M St. Valentine The culture of Broccoli is the same as for cauliflower. For years we have been supplying commercial growers throughout Pacific Coast States, with a special strain of seed which produces the very finest Broccoli with a beautiful dark green foliage and it is equal to cauliflower for market purposes. It matures from four to six weeks later than cauliflower. Our strain has been developed to suit market conditions. Seed should be sown from July to end of September. (Pkt. 15c) (oz. $1.50) (1/4 lb. $5.00) (1 lb. $20.00) postpaid.

Italian Sprouting Broccoli Recently introduced from Italy, this variety is now in demand on the market. Sow in seed bed and transplant the same as for Cauliflower. For best results plant between August and February as the variety prefers cool weather. The plant forms a green cluster of buds which should be cut before opening into yellow blossoms. After the head is cut, several sprouts develop forming smaller heads of equal value to the first. The vegetable is cooked and served in the same manner as Asparagus. (Pkt. 15c) (oz. $1.50) (1/4 lb. $5.00) (1 lb. $15.00) postpaid.

Brussels Sprouts

A & M Medium Dwarf The culture for Brussels Sprouts is the same as for cabbage. It is a very highly esteemed vegetable and our strain of seed produces plants of dwarf, robust habit, and bearing in profusion the small compact heads. (Pkt. 10c) (oz. 30c) (1/4 lb. 90c) (1 lb. $2.75) postpaid.
A & M Beans

Write for Quantity Prices

Market gardeners who are beginners and not familiar with gardening in the Southwest would do well to consult us either in person or by mail before buying, as to variety and time of planting. Special attention should be given to the instructions concerning the time of planting, which is an important factor in Southern California, as each month requires a different variety according to the market for which they are grown.

Culture During the early spring give sandy soil preference, but heavy soil in summer. When the ground is properly moistened and pulverized, plant bush beans one or two seeds every four inches, in rows twenty to twenty-four inches apart. If the soil is heavy, one-half inch is deep enough. Plant deeper in sandy soil. During the cool spring months plant shallow; during the hot summer months plant down to moist earth. Do not plant in soil that is too wet, nor irrigate immediately after planting, else the seed will rot. During the winter months do all irrigating in the morning, because the water from the pipe is warm and will harm the plants. When applied in the evening the water chills the plants, cools the soil, retards the growth and causes mildew. During hot summer days irrigate in the later afternoon. Never sprinkle beans. Plant 40 lbs. Bush Beans per acre and 30 lbs. Pole Beans per acre.

To prevent mildew dust frequently with Anchor Brand sulphur while the plants are young. Mildew may be prevented but is difficult to cure. Sulphur will not cure, but will arrest and prevent mildew.

GREEN POD BUSH BEANS

A & M Stringless Green Pod One of the best varieties for the first early spring planting. It is very prolific and tender, a great favorite with market gardeners, for a quick maturing crop. Plant from April 1st until Aug. 1st. (Pkt. 10c) (½ lb. 25c) (1 lb. 45c) prepaid.

Full Measure A splendid early bean which has gained much prominence. The pods are longer than Stringless Greenpod and are entirely stringless. It is sometimes called the Dwarf Kentucky Wonder on account of the similarity of pods. Plant from April to September. (Pkt. 10c) (½ lb. 25c) (1 lb. 45c) (10 lbs. $4.00) prepaid.

Early Refugee or 1000 to 1 months. Round pod, medium size. Tender, desirable for table and canning. It is a favorite with the market gardener because it is a good shipper, a good seller, and very prolific. Plant from April to August. (Pkt. 10c) (½ lb. 25c) (1 lb. 45c) (10 lbs. $4.00) prepaid.

YIELD: 5000 to 7000 lbs. per acre and 30 lbs. Pole Beans per acre.

A & M Improved Butter Wax Highly recommended for the interior for early spring planting. A hardy, early maturing, prolific and stringless variety. (Pkt. 10c) (½ lb. 25c) (1 lb. 45c) (10 lbs. $4.00) prepaid.

Canadian Wonder Flat pod of good flavor, not stringless, but otherwise tender. Very hardy. Desired above all others by gardeners growing on the foothills for winter shipping, because of its luxuriant growth and continuous bearing of long, straight pods. Plant in September, October, November, December and January, according to locality. (Per pkt. 10c) (½ lb. 25c) (¼ lb. 45c) (1 lb. 45c) (10 lbs. $4.00) prepaid.

Dwarf Horticultural Desirable for green, shell and dried beans. Stringless and of excellent flavor. It is of Italian origin and is very popular with the Italian population. (Pkt. 10c) (½ lb. 25c) (¼ lb. 45c) (1 lb. 45c) (10 lbs. $4.00) prepaid.

Six Weeks A strong, rapid grower, which matures quickly. Flat pod. Only desirable for forcing. Plant in February and March, also early in September and October. (Pkt. 10c) (½ lb. 25c) (¼ lb. 45c) (1 lb. 45c) (10 lbs. $4.00) prepaid.

French Mohawk Long oval pod, very tender and productive. Matures in six weeks. Desirable for a profitable short crop, as only two months is required from seed time to the end of the crop. Plant every month from March to October. (Per pkt. 10c) (½ lb. 25c) (¼ lb. 45c) (1 lb. 45c) (10 lbs. $4.00) prepaid.

YELLOW POD BUSH BEANS

A & M Improved Butter Wax The demand for wax beans is increasing on the market and this variety has become a favorite because of the very attractive appearance of the pods. They are long, straight, of uniform size, very prolific and quite stringless. The blossoms set well through the summer and are not affected by heat. This bean is resistant to rust and mildew and is highly recommended. (Pkt. 10c) (½ lb. 25c) (1 lb. 45c) (10 lbs. $4.00) prepaid.

A & M Golden Wax Long, flat pod, rich golden yellow, stringless. Plant early in April and until August. (Pkt. 10c) (½ lb. 25c) (¼ lb. 45c) (1 lb. 45c) (10 lbs. $4.00) prepaid.

Ventura Wonder Wax or Davis Kidney Wax A splendid bean for the interior. Imperial Valley, Arizona and New Mexico, because the blossoms will not fall even at a high temperature. It is an excellent dry bean. Good bearer. Pods are long, rustic and hardy and very tender when young. (Pkt. 10c) (½ lb. 25c) (¼ lb. 45c) (1 lb. 45c) (10 lbs. $4.00) prepaid.

Prolific Black Wax Pod round, straight, five to six inches long. Decidedly the most desirable for mid-summer gardening. Plant from April to August. (Pkt. 10c) (½ lb. 25c) (¼ lb. 45c) (1 lb. 45c) (10 lbs. $4.00) prepaid.

AGGERLE & MUSSER SEED CO.
Los Angeles, California
Pole Beans

**Kentucky Wonder**

The Kentucky Wonder has for many years been the most popular bean with market gardeners as well as for the home gardeners. Its long round stringless pods are very prolific and tender, but it is more susceptible to mildew than other varieties. For April and May planting it cannot be excelled. It has brown seed of little value as dry beans. (Pkt. 10c) (½ lb. 25c) (lb. 45c) (10 lbs. $4.00) prepaid.

**White Seeded Kentucky Wonder**

In the South where earliness and lateness mean so much to the market gardener, the White Seeded Kentucky Wonder is far ahead of other varieties. It is a variety of firm pods that withstand shipping to almost any part of the United States. It matures ten days earlier than the Brown Seeded Kentucky Wonder. (Pkt. 10c) (½ lb. 25c) (lb. 45c) (10 lbs. $4.00) prepaid.

**A & M Rust Resistant Kentucky Wonder**

An improved and selected strain. Realizing the importance of having a strain of Kentucky Wonder Beans that is more resistant to rust we have been selecting and improving on this line until we now have what we consider one that is more immune to attack by rust than any other, and it is as hardy as Canadian Wonder.

A & M Rust Resistant Kentucky Wonder

Along the coast and where there is considerable moisture in the air the A & M Rust Resistant Kentucky Wonder may be expected to thrive and yield well even under adverse weather conditions.

We have bred up both a brown and white seed stock of this. Brown Seed (Pkt. 10c) (½ lb. 25c) (lb. 45c) (10 lbs. $4.00) prepaid. White Seed (Pkt. 10c) (½ lb. 25c) (1 lb. 45c) (10 lbs. $4.00) prepaid.

**Kentucky Wonder Wax**

The Pride of the Garden. It commences to bear when nearly higher than the average bush variety, and keeps on producing until killed by a frost. It is a rampant grower, once plant filling a pole with a mass of vines densely loaded with luscious golden beans. They are firm, entirely stringless, and when cooked, deliciously rich and buttery. The seed is brown, luscious golden beans. They commence to bear when cooked, deliciously rich and buttery. The seed is brown, luscious golden beans. They are firm, entirely stringless, and when cooked, deliciously rich and buttery. The seed is brown, luscious golden beans. They are firm, entirely stringless, and when cooked, deliciously rich and buttery. The seed is brown, luscious golden beans. They are firm, entirely stringless, and when cooked, deliciously rich and buttery. The seed is brown, luscious golden beans. They are firm, entirely stringless, and when cooked, deliciously rich and buttery. The seed is brown, luscious golden beans. They are firm, entirely stringless, and when cooked, deliciously rich and buttery. The seed is brown, luscious golden beans. They are firm, entirely stringless, and when cooked, deliciously rich and buttery. The seed is brown, luscious golden beans. They are firm, entirely stringless, and when cooked, deliciously rich and buttery. The seed is brown, luscious golden beans. They are firm, entirely stringless, and when cooked, deliciously rich and buttery. The seed is brown, luscious golden beans. They are firm, entirely stringless, and when cooked, deliciously rich and buttery. The seed is brown, luscious golden beans. They are firm, entirely stringless, and when cooked, deliciously rich and buttery. The seed is brown, luscious golden beans. They are firm, entirely stringless, and when cooked, deliciously rich and buttery. The seed is brown, luscious golden beans. They are firm, entirely stringless, and when cooked, deliciously rich and buttery. The seed is brown, luscious golden beans. They are firm, entirely stringless, and when cooked, deliciously rich and buttery. The seed is brown, luscious golden beans. They are firm, entirely stringless, and when cooked, deliciously rich and buttery. The seed is brown, luscious golden beans. They are firm, entirely stringless, and when cooked, deliciously rich and buttery. The seed is brown, luscious golden beans. They are firm, entirely stringless, and when cooked, deliciously rich and buttery. The seed is brown, luscious golden beans. They are firm, entirely stringless, and when cooked, deliciously rich and buttery. The seed is brown, luscious golden beans. They are firm, entirely stringless, and when cooked, deliciously rich and buttery. The seed is brown, luscious golden beans. They are firm, entirely stringless, and when cooked, deliciously rich and buttery. The seed is brown, luscious golden beans. They are firm, entire...
**A & M Table Beets**

**Early Flat Egyptian**
The Egyptian is a small, dark red, flat, smooth variety. It is sweetest and best for the table and is the market gardener’s winter favorite on account of its beautiful appearance, earliness, and excellent flavor. (Pkt. 10c) (oz. 15c) (½ lb. 35c) (lb. $1.00) postpaid.

**A & M Table Beets**

**Culture**
Beets may be planted all the year round where the temperature does not linger below 30 degrees. Sow the seed one inch deep in well prepared, moist soil in rows eight or ten inches apart, or on ridges same as lettuce. Drill 10 pounds of seed per acre. Thin out to one plant every three inches, and transplant the discarded plants in any convenient spot about the garden. Irrigate about every two weeks, unless the nature of the soil is such that more frequent irrigation is found to be necessary. Mulch the soil after each irrigation. Beets are ready for use in ten weeks and continue in prime condition for another ten weeks. For the home garden sow one ounce of seed for 100 feet of row.

**Early Wonder**
In size and shape this beet is very similar to Early Crosby. Because of its very bright color it is becoming very popular on the local market and we think it is destined to become one of the best market varieties. It is extremely early, of good uniform size, a bright red in color and with a very small top, which makes it most suitable for bunching. (Pkt. 10c) (oz. 20c) (¼ lb. 50c) (lb. $1.50) postpaid.

**Early Blood Turnip**
Of large growth. Flesh very tender and retains its blood-red color when cooked. On account of its tall leaves it is a favorite summer time beet with market gardeners. (Pkt. 10c) (oz. 15c) (¼ lb. 35c) (lb. $1.00) postpaid.

**A & M Stock Beets**

**Long Red Mangel**
The largest Stock Beet. Yields 40 to 50 tons to the acre. Will grow in land containing more alkali than any other beet. All stock except horses eat it readily. (Pkt. 10c) (lb. 60c) (10 lbs. $5.50) postpaid.

**Golden Tankard Mangel**
Contains more sugar than any other Mangel. Rich in milk-producing qualities, hence a favorite with dairymen. Horses will eat it. (Pkt. 10c) (lb. 60c) (10 lbs. $5.50) postpaid.

**Klein Wanzleben**
(Sugar Beet.) This variety is withstood without question the best in cultivation. Not the largest in size, but the richest in saccharine. It will fatten hogs as quickly as grain. (Pkt. 10c) (lb. 60c) (10 lbs. $5.50) postpaid.

**A & M SWISS CHARD**

**Culture**
Same as for beets; transplant 8 inches apart in rows 18 inches apart. Grown for its leaves only; one of the best early greens. Cook the leaves as you do spinach and the stems in cream as asparagus. Leaves grow to enormous size, 20 inches to 2 feet in length. The plant is almost perpetual if kept trimmed, but it is better to have a new crop every year. The tender leaves are so easily harvested that they may be uprooted by a push of the foot. The flesh is white, solid, tender and very sweet and imparts a rich, pleasant flavor to dairy products when fed to milch cows. Also particularly good for fattening hogs. (Pkt. 10c), (lb. 60c) (10 lbs. $5.50) postpaid.

**Lucullus**
Used extensively for poultry and is one of the most popular varieties for this purpose because of the tendency to grow to a good height and to produce longer leaves and more forage. (Pkt. 10c) (oz. 15c) (¼ lb. 35c) (1 lb. $1.00) postpaid.

**White Swiss Chard**
Best suited for table use, but is also used extensively for poultry feed. It has a large white rib, a rather smooth leaf, making it easily cleaned for table use. The large midrib is sometimes cooked as you would prepare asparagus. (Pkt. 10c) (oz. 15c) (¼ lb. 35c) (1 lb. $1.00) postpaid.
A & M Cabbage

Culture  The secret of growing hardy plants is to thoroughly prepare the soil in the plant bed. Spread the soil to a depth of eight or ten inches, pulverize well. Sow in drills not too freely, about one-half inch deep, press the soil firmly over the seed. This is important. In about six weeks transplant in rows three feet apart, one foot in the row. For Winnigstadt, eighteen inches for large-heading varieties. Keep the crop well watered and cultivated for when the growth is checked the seed head matures and bursts forth as soon as moisture is again applied. This accounts for much cabbage going to seed. Early varieties mature about three and one-half months after transplanting, late varieties in about five months.

Cabbage may be grown all the year in Southern California and throughout the Southwest. It should be borne in mind that the big planting of cabbage is intended to meet the Eastern demand in midwinter and early spring, and that our time of planting is out of the natural season, and therefore often subjected to unseasonable weather, which causes it to be stunted and often to go to seed.

Improper culture, too, will stunt the normal growth of cabbage and cause the heads to prematurely go to seed.

Cabbage requires heavy soil but good drainage and frequent but shallow cultivation. However good crops will be obtained on lighter soil if well fertilized.

Should there be a cold spell when the thermometer lingers below 25 degrees, just at the time the cabbage begins to head, some of the crop may run to seed.

Five ounces of seed will produce plants for one acre.

For control of aphids in field culture dust with Neo Dust, using No. 6 in hot weather, No. 8 in cooler weather and No. 10 in cold weather. For home gardens Evergreen, Destruxol and Black Leaf 40 are very effective.

A & M Golden Acre Cabbage  This is one of the earliest varieties of cabbage we have ever found in our trials. It resembles somewhat in shape the Copenhagen Market, but is a trifle smaller in size and is 12 to 14 days earlier in habit of growth. It is quite dwarf, very compact and produces a head of desirable size for family use or for packing. The heads average in weight 2½ to 3 pounds. Because of its compactness and the few leaves it may be planted 12 to 14 inches apart in the row and at this rate about 15,000 plants are required for one acre. It is very solid, of uniform shape and size and in what we consider an extra fine all around variety. Our strain of seed comes from the originator and is carefully selected by us for uniformity and other qualities of importance.

(Pkt. 10c) (oz. 35c) (1 lb. $2.50) (lb. $7.50) postpaid.

Copenhagen Market  For tenderness and delicious flavor this cabbage is unequalled. It forms a large round solid head and is very early and crisp. Extensive acreages are grown every year for the market. (Pkt. 10c) (oz. 65c) (1 lb. $2.15) (lb. $6.50) postpaid.

Cannon Ball or Short Stem Danish Ballhead  This has become one of the standard varieties for shipping. It is now grown as extensively as the Winnigstadt, but it is planted mostly during August and September for early shipping while Winnigstadt is preferred for midwinter crops. (Pkt. 10c) (oz. 55c) (1 lb. $1.85) (lb. $5.50) postpaid.

A & M Early Flat Dutch  This is a splendid strain of Flat Dutch Cabbage. It is a favorite with many market gardeners and home gardeners for the reason that every plant produces a head. Heads are large, well flattened on top, and it is a head producer under most any climatic conditions where other cabbage can be produced. (Pkt. 10c) (oz. 55c) (1 lb. $1.50) (lb. $4.50) postpaid.

Late Flat Dutch  Year by year this variety becomes more and more popular. It is very early, tender, crisp, and just the right size for the dealer. Truckers like it because every stalk produces a head. (Pkt. 10c) (oz. 35c) (1 lb. $1.20) (lb. $3.50) postpaid.

Early Jersey Wakefield  Very early, maturing in 90 days. Small head inclined to point like the Winnigstadt. Recommended for home garden where earliness is desired. (Pkt. 10c) (oz. 35c) (1 lb. $1.20) (lb. $3.50) postpaid.

Drumhead Savoy  The best of all Savoys. Short stump, large size, solid head. (Pkt. 10c) (oz. 35c) (1 lb. $1.20) (lb. $3.50) postpaid.

Red Dutch  Heads of deep color and remarkably solid. (Pkt. 10c) (oz. 35c) (1 lb. $1.20) (lb. $3.50) postpaid.

A & M Winnigstadt  No other vegetable listed in our catalog has gained so much popularity so continuously and for such a long time as our strain of Winnigstadt Cabbage, introduced by us in 1896. As a winter crop it is in great demand. It is popular because it is early, solid, good flavor, sure header, and good shipper. The small heads are particularly desirable for home use, making it a most satisfactory home garden variety. (Pkt. 10c) (oz. 35c) (1 lb. $1.20) (lb. $3.50) postpaid.

CHINESE CABBAGE—See Page 7
AGGELE & MUSSER SEED CO.
Los Angeles, California

A & M Table Carrots

Culture  Sew one ounce of seed to 100 feet of row, three pounds per acre.

Carrots may be planted all the year round. Sow the seed from one-half to one inch deep in rich, moist, loamy soil, well prepared. Sew in rows eight inches apart, and as thin as the drill can be set to sow, or, if sown by hand, aim to have two seed to the inch, or sow in ridges same as lettuce. The carrot has few insect enemies. Nematode is the worst. Irrigate same as for beets. Carrots are ready for use in eight weeks and remain palatable for six months or longer.

Market—The local demand for Carrots is all the year round, but the chief demand is from the shipper, who wants them from December 1st until May. For this trade the seed should be planted in August and September. The shipper wants the Chantenay, Oxheart and Danver Half Long.

Chantenay  Flesh is a deep golden orange color, always smooth and fine in texture, very tender. Excellent bunching variety and is grown extensively by market gardeners. (Pkt. 10c) (oz. 20c) (½ lb. 45c) (lb. $1.25) postpaid.

Danver’s Half Long  The roots are smooth and of a rich, dark orange color. One of the best sorts for a main crop because it remains edible in the fields longer than other varieties. (Pkt. 10c) (oz. 20c) (½ lb. 45c) (lb. $1.25) postpaid.

Improved Long Orange  A deep orange colored variety adapted for farm or garden culture. (Pkt. 10c) (oz. 20c) (½ lb. 45c) (lb. $1.25) postpaid.

Oxheart  Beautiful shape and color. The roots generally attain four or five inches in length, and about three inches in diameter. Quality first rate, very tender, and a variety that is used in quantity. (Pkt. 10c) (oz. 20c) (½ lb. 45c) (lb. $1.25) postpaid.

Early French Forcing  A small sort but desirable on account of its extra early habit. (Pkt. 10c) (oz. 20c) (½ lb. 50c) (lb. $1.50) postpaid.

A & M STOCK CARROTS

Half Long White Belgian  Is raised exclusively for stock. Grows to a very large size: is easily gathered. Makes splendid food for cattle, horses and hogs: known to yield forty tons per acre. Will keep four or five months after pulling. (Pkt. 10c) (oz. 20c) (½ lb. 40c) (lb. $1.10) postpaid.

Large Yellow Belgian  Is similar to White Belgian, but with a light orange color; said to be richer, but does not keep so well. (Pkt. 10c) (oz. 20c) (½ lb. 40c) (lb. $1.10) postpaid.

Chinese Cabbage

Our strain is the genuine Wong Bok imported from China and is considered the perfect Chinese Cabbage. The large solid heads are crisp and tender and are ideal for salads. It is also useful for cooking and is grown extensively for poultry. Sow from Sept. 1st until Feb. 1st in rows 24 inches apart and thin plants to 10 inches apart in the rows. (Pkt. 10c) (oz. 50c) (½ lb. $1.65) (lb. $5.00) postpaid.

A & M Collards

The Collard is an old-time favorite, adapted to all parts of the South, and as a producer of "greens" during winter and spring it has no equal. It will pay you to have a collard patch just to feed the chickens.

Southern Georgia  This variety is the old-time favorite. Stands all sorts of adverse conditions without injury. Is very hardy. In many places where the soil is too poor to grow cabbage, the collard grows easily, and makes a good substitute for cabbage. (Pkt. 10c) (oz. 20c) (½ lb. 60c) (lb. $2.00) postpaid.
A & M Cauliflower

Culture (For Shippers)—Choose soil from a rich loam to a heavy adobe. The field should be level to afford a uniform moisture. Avoid planting Cauliflower or Cabbage on a hillside.

Early varieties should be planted in the seed bed from May 1st to July 1st. Late varieties from June 1st to August 1st. Early planting of seed is advised in order that the plant may have fully developed before the proper season for maturing.

Plants should be ready to transplant from six to eight weeks after seed is planted. Early varieties should be ready for market in November; late varieties in December and January, and later according to the time of planting the seed.

Do not attempt to grow Cauliflower or Cabbage unless you have water in abundance.

Five ounces of seed will produce plants for one acre.

Snowball This variety is in a class by itself for earliness. The demand for seed begins in April for May planting, which is ready for the local market beginning October 1st.

There is good profit in the early variety, but care should be exercised to avoid blighting by excessively hot weather. At such times apply water abundantly, but cultivate judiciously to prevent any baking of the soil. (Pkt. 25c) (1/4 oz. 90c) (1 oz. $2.50) (1 lb. $7.50) (lb. $30.00) postpaid.

Extra Early Pearl From seed planted in May the crop may be harvested in November. This is the usual procedure in planting this variety in Southern California. It is a most dependable Cauliflower and is sure to head if properly cared for.

We have growers who plant this variety year after year. (Pkt. 10c) (1/4 oz. 65c) (1 oz. $2.00) (1/4 lb. $6.50) (1 lb. $20.00).

Medium Early Pearl Similar in all respects to the Extra Early and Late Pearl varieties except that it should be planted not earlier than June 1st nor later than August 1st. (Pkt. 10c) (1/4 oz. 65c) (1 oz. $2.00) (1/4 lb. $6.65) (1 lb. $20.00)

A & M Late Pearl Cauliflower attains a height of three to four feet. Plant seed during July to harvest during January and February. This is the variety that has made California Cauliflower famous throughout the United States and is bringing annually more than $1,000,000 to growers. (Pkt. 10c) (1/4 oz. 65c) (1 oz. $2.00) (1/4 lb. $6.65) (1 lb. $20.00) postpaid.

Notes Concerning Pearl Cauliflower

Cauliflower is a great favorite from California to New York, because of its excellent shipping qualities. It originated here and has made Southern California famous for her excellent cauliflower. The California Pearl is thoroughly adapted to our mild winter climate and is particularly suited for shipping because of the flower being completely enveloped within spiral curled leaves, which protect the flower from injurious exposure to rain, sunshine or frost, but particularly from injury in packing and in transit. To be packed for shipping it is only necessary to cut the stem at the base of the head, and the leaves about two inches above the head. This leaves foliage enough to cover the crown without wrapping in paper.

The small grower may plant at any time from May until February, but for profit the large grower should carefully peruse instructions given with each variety.
A & M Sweet Corn

Culture

Plant from Feb. 15th to September 1st in hills 18 inches apart, in rows three feet apart. Allow two stalks to the hill, break off all side shoots; cultivate after each irrigation until the corn shades the ground; irrigate every two weeks until in the milk, then once or twice a week, and this will produce a solid, tight husk, which will prevent the worms from doing much damage.

Instead of planting long single rows of corn it is preferable to sow several short rows along side each other so that pollen scattering from the top tassles is more likely to reach the silk of the ears below. A rotation of corn may be obtained by planting at the same time some A & M Early Golden, Golden Bantam and Oregon Evergreen and they will mature at intervals in the order named. Plant 10 lbs. per acre.

A & M Oregon Evergreen

Oregon Evergreen corn now has the endorsement of every gardener that grows for the Los Angeles market. We are safe to say that any gardener growing this will show to his customers its superiority over all other sweet corn. It is many years since we first offered this new and distinct variety. The demand has grown each year until it is now practically the only variety offered on the Los Angeles market. The advantages of this corn over all others are its earliness, its large size, barely less than eight inches long. The grains are full to the tip and delicious.

The husk is very thick and folds so tightly over the grains that the worm does very little damage, compared with other varieties. It is desired by the peddler and groceryman because of its thick husk, and it can be held over two days before it appears old or wilted. It is very productive, often bearing five marketable ears. (Packet 10c) (1/2 lb. 20c) (lb. 35c) (10 lbs. $3.00) prepaid.

A & M Early Golden

This is a light golden colored corn maturing earlier than Golden Bantam. The ears are also larger than Golden Bantam and are of a very fine flavor, being sweet and tender. The stalks are dwarf in nature, growing to a height of about 3 feet, each stalk producing two or three ears. (Packet 10c) (1/2 lb. 20c) (lb. 35c) (10 lbs. $3.00) prepaid. Illustrated on back cover.

Golden Bantam

A home garden variety that is highly desirable because of its flavor and sugar content. It is very early, dwarf in habit and a good yielder. By removing the suckers as they appear several ears may be produced on the main stalk. (Packet 10c) (1/2 lb. 20c) (lb. 35c) (10 lbs. $3.00) prepaid.

Country Gentleman

A delicious sweet corn. The ears are somewhat smaller and less showy than the coarser varieties, but for private family use, where quality is preferred to size, it is excelled only by the Golden Bantam. The cob is very small, giving great depth to the kernels. The great merit of "Country Gentleman" is its fine quality. It matures in ten weeks. (Packet 10c) (1/2 lb. 20c) (lb. 35c) (10 lbs. $3.00) prepaid.

A & M Early Adams

This is a cross between the Oregon Evergreen and the Eastern Extra Early Adams. The superiority of this strain over the former eastern-grown Adams is shown in its earliness, large size and sweetness. It is nearly as good as the Oregon Evergreen, and it is earlier and harder. It is one of the many good things that originated here. Although it may be frosted when six inches high it will come again. (Packet 10c) (1/2 lb. 20c) (lb. 35c) (10 lbs. $3.00) prepaid.

A & M Large Adams

This is the best market variety to plant in August for an earlier variety and profitable to grow here at the usual price because of its flavor and sweetness. It is nearly as good as the Oregon Evergreen, and it is earlier and harder. It is one of the many good things that originated here. Although it may be frosted when six inches high it will come again. (Packet 10c) (1/2 lb. 20c) (lb. 35c) (10 lbs. $3.00) prepaid.

Stowell's Evergreen

If planted at the same time with earlier varieties and at intervals of two weeks until July 1st, it will keep the table supplied until November. It is hardy and productive, very tender and sugary, remaining a long time in a fresh condition. (Packet 10c) (1/2 lb. 20c) (lb. 35c) (10 lbs. $3.00) prepaid.

Black Mexican

One of the best sweet corns for this section. Deliciously sweet and tender very productive. (Packet 10c) (1/2 lb. 20c) (lb. 35c) (10 lbs. $3.00) prepaid.

SEMESAN, JR.

For better results dust seed corn before sowing with Semesan, Jr. It is effective in controlling diseases, accelerates germination, develops sturdier plants, promotes earlier maturity, improves quality and increases yields. (4 oz. 50c) (1 lb. $1.75) (5 lbs. $8.00) (25 lbs. $31.25) f. o. b. Cannot be mailed.

Pop Corn

Rice Sharp pointed grain is preferred by vendors, but is not profitable to grow here at the usual price because of the devastations of the worm. (Per pkt. 10c) (lb. 20c) (10 lbs. $2.50) prepaid.

Yellow Large smooth grains of Golden Yellow Color. It pops large, has excellent flavor and is the most profitable to grow. (Packet 10c) (lb. 20c) (10 lbs. $2.50) prepaid.
A & M Cucumbers

CULTURE FOR HOT-BED—Make the frame eight feet wide and as long as is desired, using 12 in. boards. Select a place with good loamy soil on a sunny slope. Mix the soil almost half and half with horse manure. About good loamy soil on sunny slope. Soil almost

Mix

each day.

widths and lengths to cover frame. Arrange to roll the frame as a curtain. Cover each evening, and open each day.

A & M Special Long Green

This is a great improvement over the old strain of Long Green. The fruits are unusually handsome, being of good form and of a deep green color which is retained a considerable time after picking. 9-10 inches in length.

(Pkt. 10c) (oz. 25c)

1/4 lb. 85c) (lb. $2.50) postpaid.

A & M Davis Perfect This is the ideal cucumber. Long, slender, dark green, tender and crisp. It is the best all-around cucumber yet offered for the family garden, and the hot house. Do not hesitate to plant this variety. (Pkt. 10c) (oz. 20c) (1/4 lb. 65c) (lb. $2.00) postpaid.

Klondike This cucumber has steadily grown into favor since we first offered it. It is the one variety that made earload shipments possible because it is firm, dark green color, and stays green until consumed. It is a desirable size, just 7 to 8 inches long, symmetrical in shape, and especially crisp and salable. It is an excellent variety for pickling when young, as well as desirable for the market. (Pkt. 10c) (oz. 20c) (1/4 lb. 65c) (lb. $2.00) postpaid.

Salad Cucumber One of our own introductions and one of the finest cucumbers ever grown. It is now being sold on the market and we advise market gardeners to introduce it to their trade. It is a very mild cucumber and does not have the bitter or strong taste often found in other varieties. For the home gardener a few hills of salad cucumber will be one of the most interesting things in the garden and the crisp tasty cucumbers will provide a most delicious salad. The color is a bright, appetizing yellow. Try them and you will not be disappointed. (Pkt. 10c) (oz. 30c) (1/4 lb. $1.00) (1 lb. $3.00) postpaid.

White Spine A popular, early variety for slicing. Very prolific, crisp and excellent for pickling when young. (Pkt. 10c) (oz. 20c) (1/4 lb. 60c) (lb. $1.75) postpaid.

Early Fortune A very fine early variety producing rich dark green fruits about 8 to 9 inches in length. The flesh is thick and crisp with a delicious flavor. It is a long distance shipping cucumber and is popular alike with the market gardener and home planter. (Pkt. 10c) (oz. 20c) (1/4 lb. 65c) (lb. $2.00) postpaid.

Lemon Cucumber Everyone who has tried it has unanimously praised its flavor and would not think of omitting it from their planting list. It is the color of a lemon when ready to use, and similar in shape, being less pointed at the ends. There is nothing but approval for the Lemon Cucumber. It may now be found at almost any vegetable stand, and no home garden should be without it. (Pkt. 10c) (oz. 25c) (1/4 lb. 65c) (lb. $2.50) postpaid.

Chicago Pickling This is the variety that is grown largely for pickling factories, and our seed has given the growers satisfactory results for years. It is chosen because of its delicious quality and its shape, being one inch thick and three inches long when at pickling size. It is enormously prolific, bearing in clusters. We can recommend it for the home garden. (Pkt. 10c) (oz. 20c) (1/4 lb. 60c) (lb. $1.75) postpaid.

Everbearing Cucumber This variety is entirely distinct from all others on account of its close, bushy growth and everbearing character. The first cucumbers are ready very early and the vines continue to flower and produce fruit continually until late in the season, whether the ripe cucumbers are picked off or not, differing in this respect from all other varieties of cucumbers in cultivation. One of the old reliable varieties growing 5 to 6 inches long. The skin is dark green, the meat firm and crisp. It is used extensively for forcing, and early field growing. Our strain of seed produces a large percentage of unfertilized fruit and is ideal for pickling factories. We recommend this to be planted in home gardens at all times, but especially in September. (Pkt. 10c) (oz. 20c) (1/4 lb. 65c) (lb. $2.00) postpaid.

Gherkin This cucumber is the most delicious of all the cucumber family when properly pickled. It should be more extensively grown. Planted where it may climb on a trellis, one vine will cover a section of fence eight feet high and twelve feet wide, producing possibly a thousand or more of the delicious and oddly shaped gherkins. It should be planted to shade a window or back porch. (Pkt. 10c) (oz. 25c) (1/4 lb. 90c) postpaid.

Japanese Climbing Cucumber This variety should be grown more extensively; it is equal to others in quality and can be grown more economically in a small garden by planting near a fence or trellis of any kind. It climbs by tendrils like a grape vine. Whether space is a factor or not, we recommend it. (Pkt. 10c) (oz. 20c) (1/4 lb. 65c) (lb. $2.00) postpaid.
Golden Self Blanching—Long Top

**A & M Celery**

**Culture** Sow one-half ounce of seed to 100 feet of drill; ½ lb. per acre. Sow the seed from Jan. 1st to May 1st, in drills 6 inches apart, not too thick in the row to secure stalky plants. In June when the plants are strong, transplant to furrows three feet apart and six inches deep. In some districts plantings are made in double rows. Set the plants six inches apart in the furrows; as the plant grows fill the earth toward the plant to secure proper bleaching. Never allow dirt to rest on the heart of the plant. Never work in celery when it is wet with rain or dew. Spray frequently with Bordeaux, sometimes adding a little B L 40 to control worms.

**Celery Rot**—Do not allow water to stand during the heat of the day after irrigating. It will cause Celery Rot in the early crop.

**Hollow Stem**—When the growth is rank and the stalks so close that free ventilation of air is retarded during the hot weather, the stems become soft and hollow; therefore we recommend the single-row planting.

**Market**—The local consumption and outlying distribution disposes of a very large acreage, but owing to its erratic nature it requires a peculiar soil and professional culture. Therefore, there are few localities where it can be forced to earliness. May, June and July celery brings a high price to the grower. Then there comes an oversupply and the shipper disposes of it. When a surplus exists cold storage is resorted to, with doubtful profit, on account of the perishable nature, the shrinkage and the expense.

**A & M Golden Self Blanching (French Grown Seed)** We have two distinct strains of this seed, one being the standard height while the other is 6 to 8 inches taller. Please specify on your order which you want. This very fine strain of A & M Celery grows rapidly, the outer leaves are quite tall on the long tops, so that the grower may sometimes be inclined to market it before the heart is mature. Be careful about this and give it more time if necessary. If you are producing celery for the market see us about seed, for we have made a careful study of this particular crop over a period of years and can probably be of assistance to you. Long top or short top. (Pkt. 10c) (oz. 15c) (¼ lb. $1.00) (lb. $5.00) postpaid.

**A & M Golden Self Blanching (California Grown Seed)** California grown seed is generally conceded to be equal to the French grown and it is often preferred by some growers. (Pkt. 10c) (oz. 35c) (¼ lb. $2.00) (lb. $8.00) postpaid.

**White Plume** California grown. Its stock, inner leaves and heart are naturally white, so that simply drawing the soil up against the plant and pressing it in is all the work required for blanching. (Pkt. 10c) (oz. 40c) (¼ lb. $1.25) (lb. $5.50) postpaid.

**CELERIAC**

A large celery flavored root used extensively for flavoring soups, pickles, etc.; also relished as a salad. (Pkt. 10c) (oz. 35c) (¼ lb. $1.20) postpaid.

**A & M Chayote**

**Cultural Directions** One fruit envelopes one seed, which sprouts from the large end. Plant where you intend it shall grow. Cover only the large end, leaving the small end exposed. (See picture.) Or let the fruit lie around until it has well sprouted, and then plant the seed, leaving the sprout well above ground. Water freely and do not be alarmed if frost should destroy it. A new shoot will soon appear. Give it abundance of water throughout the hot summer season.

The Chayote is no longer a novelty. It has now become an article of commerce. It may be found on sale at many grocery stores throughout the season, which lasts from October until March.

The vine is a rampant grower. The first year from seed it will grow twenty to thirty feet. Destroyed to the ground by frost, it soon sends out new growth, and during the second season will extend vines forty or fifty feet in every direction. During September it starts blooming, having a small, white, insignificant flower. Within four weeks the fruit is large enough for the table. Cook in the same manner as squash. Orders shipped January, February and March only. Each 50c postpaid.

Chayote as it Should be Planted
WITLOOF CHICORY.

A & M Green Curled Endive

Green Curled Golden Heart Leaves are finely curled or incised giving the plants a rich, mossy appearance, which is greatly enhanced when the centers are nicely blanched.

(Pkt. 10c) (oz. 20c) (lb. 70c) (lb. $2.00) postpaid.

Pancalier This Endive is earlier than most varieties. It is large and very finely curled, the ribs are tinged pink, and the centers are very dense.

(Pkt. 10c) (oz. 20c) (lb. 70c) (lb. $2.00) postpaid.

Ruffec Very large compact green curled variety 18-18 inches in diameter. It is very hardy and the hearts bleach to a good golden cream.

(Pkt. 10c) (oz. 20c) (lb. 70c) (lb. $2.00) postpaid.

Batavonian or Escarole Forms large heads of broad, thick leaves, which can be blanched for a salad or it will make excellent cooked greens, as well as being useful to flavor soups, stews, etc.

(Pkt. 10c) (oz. 20c) (lb. 70c) (lb. $2.00) postpaid.

Sweet Florence Fennel

Usually grown as a fall crop being planted from July to September requiring about 3½ months from seed to maturity. Sometimes planted on beds like lettuce but usually planted flat so that soil can be worked to the plants to protect the bulbs from frost.

Although usually planted in double rows it attains better size when planted in single rows about 30 in. apart.

(Pkt. 10c) (oz. 20c) (lb. 70c) (lb. $2) postpaid.
Gourd

Culture—Gourds are tender annuals, of trailing or climbing habit. The seed should not be planted until the ground is warm. Plant in hills and cultivate as cucumbers. Leave only two plants in a hill, and allow the vines to ramble or train over a trellis for shading windows.

Dish Rag Gourd—The peculiar fibre within the gourd gives it its name. The fruit grows about one foot long. The interior fibre is serviceable for a variety of household purposes, being used as a dish cloth, or sponge. The fibre is tough, elastic and durable. (Pkt. 10c)

Mock Orange—its way into the family sewing basket.

Hercules Club—This often grows to a length of four feet, but is not the same as the New Guinea Butter Bean which it resembles. (Pkt. 10c)

Dipper—Bowl with long handle. (Pkt. 10c)

Bottle—Used with short handle. (Pkt. 10c)

Pipe—Often made into pipe for smoking tobacco. (Pkt. 10c)

Nest Egg—(Pkt. 10c)

Mixed Gourds—A mixture of novel shapes and colors. (Pkt. 10c)

Edible Gourd—Very useful for providing a summer arbor. The young fruits make an excellent dish when served after the manner of squash. (Pkt. 10c) (oz. 30c) (1/4 lb. 90c) postpaid.

A & M Kale

Culture—Seed should be sown thinly in drills, about the middle of June for the tall sorts; 2 lbs. seed for the acre; transplant the young plants 12 inches apart in rows three feet apart. Later in the season the dwarf sorts may be sown rather thickly in drills to furnish small heads to be cooked like spinach. One ounce to 100 feet of drill.

Tall Scotch—This makes a beautiful plant, 3 to 8 feet tall. The crinkled leaves resemble parsley, but they are much larger. An excellent table variety. (Pkt. 10c) (oz. 25c) (1/4 lb. 65c) (lb. $1.00) postpaid.

Jersey or Thousand Headed—The large smooth leaves may be cut or broken off when they are full grown and they will soon be replaced with new ones. Ninety to one hundred pounds of green feed per week may be cut from fifty plants if they are well cared for. We furnish seed to many large poultry colonies and can supply it in large quantities. (Pkt. 10c) (oz. 20c) (1/4 lb. 45c) (lb. $1.25) postpaid.

Siberian—We believe this to be superior to other varieties because it grows more greens for poultry, and is of better flavor for the table. (Pkt. 10c) (oz. 25c) (1/4 lb. 50c) (lb. $1.50) postpaid.

A & M Kohl Rabi

Early Purple Vienna—Similar to above, but has flesh of purple color. (Pkt. 10c) (oz. 30c) (1/4 lb. $1.00) (lb. $3.00) postpaid.

Early White Vienna—The earliest sort, very tender, excellent for table use. (Pkt. 10c) (oz. 30c) (1/4 lb. $1.00) (lb. $3.00) postpaid.

A & M Kohl Rabi

A & M Leek

Anise—Used as a cordial and for garnishing and flavoring. (Pkt. 10c) (oz. 35c)

Basil—Sweet. The leaves are used for seasoning in summer and are also dried for later use. (Pkt. 10c) (oz. 75c)

Caraway—Grown for the seeds, which are used extensively for flavoring of bread, pastry, etc. (Pkt. 10c) (oz. 25c)

Catsnip or Catmint—The leaves are used for seasoning. It is a hardy annual and makes an excellent bee pasture. (Pkt. 10c) (oz. 15c)

Chervil—Used in soups and salads. (Pkt. 10c) (oz. 15c)

Coriander—The seeds are used in the manufacture of liquors and confectionery. (Pkt. 10c) (oz. 25c)

Dill—The seeds have an agreeable aromatic taste. (Pkt. 10c) (oz. 35c)

Edible Gourd—Very useful for providing a summer arbor. The young fruits make an excellent dish when served after the manner of squash. (Pkt. 10c) (oz. 30c) (1/4 lb. 90c) postpaid.

Rosemary—The aromatic leaves are used for seasoning. (Pkt. 10c) (oz. 15c)

Sage—The most extensively used of all herbs as a seasoning for dressing. (Pkt. 10c) (oz. 75c)

Saffron—Used for flavoring. (Pkt. 10c)

Summer Savory—A hardy annual. The dried stems, leaves and flowers are extensively used for flavoring, particularly in dressings and soups. (Pkt. 10c) (oz. 35c)

Thyme—Used for seasoning. (Pkt. 10c) (oz. $1.00).
**A & M Los Angeles Market Lettuce**

**Early Curled Simpson** This is a very popular variety, grown extensively throughout the eastern United States. The leaves are large, thin, very tender and of a very good quality. (Pkt. 10c) (oz. 20c) (1/4 lb. 65c) (lb. $1.50) postpaid.

**Hanson** Without exception this is the best variety for late spring and mid-summer crop. Prof. F. W. Mally, Farm Demonstrator of Webb County, Texas, discovered Hanson Lettuce to be resistant to both heat and disease, and particularly resistant to eel worm which is often prevalent where least expected. Hanson Lettuce is similar to the Iceberg Lettuce, except that it has not the tinge of red. We recommend it for the home garden. (Pkt. 10c) (oz. 20c) (1/4 lb. 65c) (lb. $2.00) postpaid.

**Big Boston** Very large, smooth-leaved, solid-heading variety grown extensively throughout the east and south. It is congenial to all climates, and is a good shipper. In flavor it probably excels all other smooth-leaved varieties. An excellent all year round lettuce. (Pkt. 10c) (oz. 20c) (1/4 lb. 65c) (lb. $2.50) postpaid.

**Grand Rapids** Similar to Early Curled Simpson. The luxuriant growth makes it a desirable variety for the poultryman. It is also an excellent variety for the table and good all the year. (Pkt. 10c) (oz. 20c) (1/4 lb. 50c) (lb. $1.50) postpaid.

**Chicken Lettuce** This variety of lettuce should not be confused with the regular heading or loose-leaved varieties. The plant grows very much like kale, to a height of four to five feet, with much growth of leaf. It is used mainly for chicken feeding. It does not harden and is seldom if ever used for table purposes. The wonderful leaf growth makes it ideal for green food for chickens, etc. (Pkt. 10c) (oz. 20c) (1/4 lb. 50c) (lb. $1.50) postpaid.

**Paris White Cos** (Romaine)

This might well be spoken of as the "Arsenale" for the reason it is used almost exclusively at aristocratic clubs and hotels for salads, because it is crisp and has a delicious, nutty flavor.

**A & M Los Angeles Market**

**Culture** At the time of sowing the soil should be in finest possible condition, well pulverized. The plants should be grown on ridges 11 to 18 inches wide, 4 to 6 inches high and in double rows 10 to 15 inches apart. The water should be run between the ridges and not permitted to flow over the tops as this cakes the soil. Water should never be allowed to cover the plants. There should always be an adequate amount of moisture in the soil from the time the plants have commenced to head until they have matured. The hoedings necessary on raised beds will vary from one to three times. The earth around the plants should not be allowed to harden. Drill 2 lbs. of seed per acre for double rows and thin plants to 10 inches when about one inch high.

**Los Angeles Market Lettuce** We introduced this lettuce to the local market gardeners' trade in 1904 and 1906 we shipped the first crate of lettuce which ever left California. This arrived in Philadelphia in satisfactory condition and was the beginning of the great lettuce shipping industry. Los Angeles Market has now become the leading variety, thousands of carloads being shipped each year, and growers and distributors have learned to depend upon the A & M strain for the best shipping type. Every pound of A & M Los Angeles Lettuce seed is from fields that have been carefully inspected for type, and our crops are otherwise given personal attention. It is one of the largest and most solid heading varieties in existence, often weighing 21/2 and 3 pounds to the head, and always a prize-winner.

During the past few years there has been an insistent demand for us to put up our strain in sealed bags, and we are now offering specially branded and sealed bags of our now famous strain of A & M Los Angeles Market Lettuce for your protection as well as ours. (Pkt. 10c) (oz. 20c) (1/4 lb. 65c) (lb. $2.00) (5 lbs. $9.25) (10 lbs. $17.50) postpaid.

**Iceberg** This is next to Los Angeles Market as the heading variety for the Southwest for the summer planting. Of course it is better during the winter months, but not so solid as the Los Angeles Market, which is strictly a winter variety, while the Iceberg is a good all-season lettuce, and hundreds of carloads of Iceberg are being shipped when the other is not available. Iceberg Lettuce planted later than March 1st should be grown on dark, heavy soil, because if grown on light, sandy soil, the heat of the sun reflected from the sand on the under side of the leaves causes them to burn almost to the heart.

The light green, curled, red-tinged leaves of the Iceberg form heads as large as the Los Angeles Market, but not so solid, but it is as tender and crisp, and is of excellent flavor. (Pkt. 10c) (oz. 20c) (1/4 lb. 65c) (lb. $2.00) postpaid.
A & M Muskamelons

Culture The soil must be thoroughly soaked down to submoisture, either by rain or irrigation. When dry enough plow ten or twelve inches deep. Thoroughly pulverize the soil. Prepare furrows eight to ten inches deep and 6 feet apart. Plant from February 15th to June 15th; however earlier plantings may be made by using Hotkaps as a protection. Sow 6 or 8 seeds to the hill. Plants should be left 4 feet apart in the rows.

As the plants grow gather the soil around until the roots are twelve inches or more below the surface. Thin out all surplus plants as soon as they are hardy and well established. The rows are now straight and an equal distance apart. This makes it easy to cultivate close to the hills, both lengthwise and crosswise. Cultivate deeply as long as there is no danger of disturbing the roots. Be always mindful that the roots are as long as the vine, therefore when working close to the hills and among the vines, let the hoeing or cultivating be shallow.

Always cultivate the irrigation furrow as soon as the soil is dry enough to mulch nicely.

If this rule is intelligently adhered to your vines will never suffer from drought, or root blight, and will be healthier in every way, because the roots are deep down in the cool, moist earth unaffected by the heat of the sun. This is the secret of success with all midsummer crops.

Hale’s Best An extra early salmon tint of remarkable flavor. The seed cavity is small and the attractive salmon tinted flesh is firm. Melons are oblong, well netted and very attractive. It is ten days to two weeks earlier than other shipping varieties and yields wonderfully well. Large quantities are being planted in the Imperial Valley for shipping purposes. Our strain of seeds is regular A & M quality from carefully rogued fields. (Pkt. 10c) (oz. 20c) (1/4 lb. 65c) (lb. $2.00) postpaid.

Improved Perfecto This is a new and very promising type of the Rocky Ford. Growing and shipping trials of these during the past season proved very satisfactory and there is reason to believe that it will become a most popular shipping and marketing variety. The seed cavity is triangular and small; the flesh being extremely thick, sweet and spicy; the meat is pink. Melons are almost perfectly round, heavily netted, no ribs and the shipping qualities are splendid. (Pkt. 10c) (oz. 20c) (1/4 lb. 65c) (lb. $2.00) postpaid.

The Famous Indiana This melon has a rich yellow flesh and a flavor that may be compared with the Persian. It is heavily netted, very thick meated and holds up in good condition for several days. (Pkt. 10c) (oz. 20c) (1/4 lb. 65c) (lb. $2.00) postpaid.

Rocky Ford The well known Improved Netted Gem. A very early small melon, oblong, slightly ribbed, heavily netted, having green flesh of excellent flavor. (Pkt. 10c) (oz. 20c) (1/4 lb. 50c) (lb. $1.50) postpaid.

Pollock 10-25 An improved strain of the popular Rocky Ford. It eliminates every defect of all other strains. Perfect in size, shape, netting, flavor, and long keeping and good shipping qualities. (Pkt. 10c) (oz. 20c) (1/4 lb. 60c) (lb. $1.75) postpaid.

Nicholson’s Honey Ball A cross between Honey Dew and Texas Cannonball. It is a late season variety and very prolific—some vines yielding as many as 25 melons to the plant. The fruit has a thick wall of copper tinged green meat clear to the rind and it has fine shipping qualities. Several thousand acres are planted in the Imperial Valley each year. Average weight is 4 lbs. (Pkt. 10c) (oz. 30c) (1/4 lb. $1.00) (1 lb. $3.00) postpaid.

Irondequoit This excellent melon originated in Irondequoit, New York; hence its name. It is as popular in New York City as the Tip-top is in Los Angeles. It may well be called the Improved Tip-top, for that is what it is. The appearance is similar except the netting which is heavier; it is more solid and less prone to split. The average size is slightly larger; the flesh is yellow and the flavor unsurpassed. It is an ideal melon for the peddler or the cafeteria. It is neither too large nor too small. (Pkt. 10c) (oz. 25c) (1/4 lb. 85c) (lb. $2.50) postpaid.

Melons Continued Next Page
Melons—Continued

**A & M Tip Top** This popular muskmelon is another triumph for Aggeler and Musser Seed Company because of our effort years ago to introduce it. The gardener was slow to accept it, but knowing its merits we persisted in offering it. It is now one of the most popular muskmelons grown for the local market. The yellow flesh is edible to the rind. The melon is of medium size. (Pkt. 10c) (oz. 20c) (1/4 lb. 60c) (lb. $1.75) postpaid.

**Improved Burrell's Gem** Has established itself as a standard melon, it is one of the biggest yielders. The shipper calls for it because it is solid and carries well in transit. The consumer wants it because of its excellent flavor. The growers all want our seed because we have the best strain. (Pkt. 10c) (oz. 20c) (1/4 lb. 50c) (lb. $1.50) postpaid.

**Turkish Melon** This is one of the excellent melons brought to California by the Armenians. Its flavor is equal to the Persian melon. It has yellow flesh and resembles the Persian melon in every way except that it shows on the rind a faint stripe and is without the heavy netting. Do not hesitate to order it for it is just as good as the Persian for the home garden or nearby market. (Pkt. 10c) (oz. 30c) (1/4 lb. $1.00) (lb. $3.00) postpaid.

**Oriental or Japanese** This melon appears to be a cross between Golden Beauty Casaba and Persian Melon. It has the same salmon tinted flesh as the latter but the texture is as fine as a Casaba, and the flavor is very sweet. The rind is thin and is of a yellowish green color with darker blotches. When ripe the fruit averages 7 or 8 lbs. Market gardeners are recommended to grow this for local trade. (Pkt. 10c) (oz. 50c) (1/4 lb. $1.65) (lb. $5.00) postpaid.

Watermelons will not cross with cantaloupes, squash, or other vine crops; but they do cross readily with the stock melons or citrons, which are a common weed in many places. The result of such crossing does not affect the quality of the fruit, but gives hybrid seed, which if planted the following year, produces inedible melons. Hence seed should not be saved where there is danger of crossing with citrons.
A & M Casabas

**Culture** In general the culture for Casabas is the same as for melons. Plant Casabas according to locality, from February 15th until June 15th, in furrows 8 feet apart. For late crop many are grown in July and August. Casabas may be taken from the vine as soon as they lose the green lustre, but should not be eaten until the hard rind is removed. Such varieties as the Pineapple and Golden Beauty will give slightly under pressure of the thumb. The Improved Hybrid in particular is not at its best until quite an impression can be made on the thumb. The best time to set the Casaba late into the Fall is to gather them together in the hill, leaving them attached to the vines and covering them completely with the vines. They should be planted about 8 feet apart each way and it requires about one pound of seed for an acre.

**A & M Hybrid** A cross between the Winter Pineapple and the Monterey Muskemelon. It grows to a very large size and is of delicious flavor. It is a rampant grower and yields enormously; as many as seventeen large melons were taken from one vine. It is profitable early and late. This melon is now grown as extensively for a midsummer crop as the muskmelon, and finds a ready sale. Plant from March 1st until July 15th. (Pkt. 10c) (oz. 25c) (1/4 lb. 85c) (l. $2.50) postpaid.

**Golden Hybrid** Just as the green Pineapple Casaba changed to the bright yellow Golden Beauty, so did the large green Hybrid Casaba change to the Golden Hybrid which we introduced in 1917. At that time we stated that it would in a few years supersede the Green Hybrid. (Pkt. 10c) (oz. 35c) (1/4 lb. $1.00) (lb. $3.00) postpaid.

**Winter Pineapple** This is the first of Casabas introduced into America. We have carefully maintained the purity of type so that it is now just as distinct as when introduced more than forty years ago. This and the Golden Beauty are identical in all except color, which is when mature is light green. The Winter Pineapple can be more profitable as a late melon, therefore we recommend to growers near the Coast that it be planted during June. (Pkt. 10c) (oz. 20c) (1/4 lb. 70c) (lb. $2.00) postpaid.

**Golden Beauty** Introduced by us in 1906, it is now grown more extensively throughout California than any other casaba because of its beautiful appearance, and delicious flavor. Distributors also prefer it as it stands well after long journeys in carload shipments. Where a melon is required for fall or late consumption this variety is planted more than any other. (Pkt. 10c) (oz. 20c) (1/4 lb. 65c) (lb. $2.00) postpaid.

**Santa Claus** As the name implies, this variety is recommended for planting in June or July for gathering in the fall and holding for consumption in December and January. It is a fairly good keeper in a cool ventilated place and care being taken that the fruits do not touch one another. It is a delightful present to send to your Eastern friends at Christmas. It is of delicious flavor, beautiful in its mottled gold and black coloring. (Pkt. 10c) (oz. 30c) (1/4 lb. $1.00) (lb. $3.00) postpaid.

**FOR ALL KINDS OF MELONS**

**FOR APHIS—**First keep the vines hardy by deep planting and proper cultivation, irrigation and fertilizing. Then if the aphids appear, which is unlikely, spray with Nico-Dust, or use other affected part. Either way is a cultive dust. Either will give good results. Lady bugs in some instances are destroying the aphids very satisfactorily.

**FOR MELON BLIGHT that is caused by a fungus at the root, spray the hill freely with Bordeaux so that the liquid will follow the stem several inches beneath the surface. This should be done as a precaution rather than as a remedy.**

**READ THIS.** If you would prolong the life of your vines, make a path between the rows by training the vines to grow along the rows and not across from one row to the other. For a good yield of melons grow a crop of Mellitus indica during the winter. Plow under during February; broadcast two sacks of each of Toro Sulphur and lime. This is a precaution against blight and will fertilize your field as nothing else will do.

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A & M Watermelons

We grow every pound of our Watermelon Seed and field rogueing is conducted under the most stringent rules. We probably supply the most critical trade in the country—the large growers of the Imperial Valley and other watermelon producing sections of the great southwest, where melons are produced for shipment to outside territory.

**Culture** Generally speaking, the same cultural directions for muskmelons apply also to watermelons. Plant the seed in furrows, dropping ten seeds every eight or ten feet apart; cover about one inch. The furrows should be eight feet apart. When the plants are established, thin out, leaving two vines to the hill. Plant 1 to 1 1/2 lbs. of seed to the acre.

**Stone Mountain** This melon, very popular in the South, is deep red. It is drought resisting and will produce a profitable crop of late melons when other melons are sometimes scarce. (Pkt. 10c) (oz. 20c) (1/4 lb. 50c) (lb. $1.50) postpaid.

**Black Seeded Chilian** Most every Californian knows the Chilian Melon and those who do not know it in California or elsewhere have missed a real treat in melons. Its thin rind and delicious flavor make it one of the best home garden varieties. Our strain of seed produces a good shipping melon and one that is a favorite not only with the grower but with the dealer. It is of medium size that is very desirable for market. (Pkt. 10c) (oz. 20c) (1/4 lb. 45c) (lb. $1.25) postpaid.

**White Seeded Chilian** Just as much to be desired except to those who prefer the black seed. All Chilians are good regardless of the color of the seed, but the black seeded one is planted for the early crop. (Pkt. 10c) (oz. 20c) (1/4 lb. 45c) (lb. $1.25) postpaid.

**Watermelons—Continued Next Page**
A & M Klondike Watermelon

The Genuine Strain A & M Klondike Watermelon is without doubt the most popular melon in the State of California. We introduced the Klondike in 1909 and naturally we are very proud of its present reputation. The Imperial Valley alone grows several thousand acres of them for shipment to outside territory and they are always the first melon to arrive on the Los Angeles market. The meat is a rich, bright red and very appetizing. Vendors along the boulevards always cut a Klondike when they wish to attract customers. The rind is thick enough to protect the melon in shipping and yet it is not as thick as many varieties. If you are planting for market or for home consumption you will not go wrong by planting the Klondike. The genuine A & M strain is put up in sealed bags for your protection. (Pkt. 10c) (oz. 25c) ($4 lb. 85c) (lb. $1.50) (5 lbs. $6.50) (10 lbs. $11.50) postpaid.

Black Seeded Angeleno This is another triumph for Aggeler and Musser Seed Company. We hybridized the original white seed Arizona with Black Seeded Chilian and got the desired results the first season. It required but two years more to perfect the type. The flavor was also improved. As a shipper it is extraordinary because it rarely breaks, even supporting the weight of a man weighing 170 pounds. A carload will average in weight from 25 to 30 pounds to the melon. (Pkt. 10c) (oz. 20c) ($4 lb. 50c) (lb. $1.50) (5 lbs. $6.50) (10 lbs. $11.50) postpaid.

White Seeded Angeleno The most attractive in appearance of all watermelons—its large size, beautiful dark green rind with a tinge of gold showing through the green. No other variety compares with the Angeleno in its bright red flesh, red to the rind, and it is entirely free from fibre. (Pkt. 10c) (oz. 20c) ($4 lb. 50c) (lb. $1.50) (5 lbs. $6.50) (10 lbs. $11.50) postpaid.

Excel To the grower and shipper who wants a large melon the Excel fills the bill. It is oblong, dark green with a suspicion of a stripe, and will average 35 lbs. and is of excellent flavor. It is a good shipper and has maintained its popularity for many years. Our seed is from our own growing and is true to type. (Pkt. 10c) (oz. 20c) ($4 lb. 40c) (lb. $1.25) postpaid.

Kleckley Sweet This is an excellent melon either for the home garden or for shipping. It is of medium size, a very green rind, with deep red flesh of delicious flavor. Kleckley's is planted quite extensively in the Salt River Valley of Arizona and other southern districts. (Pkt. 10c) (oz. 20c) ($4 lb. 40c) (lb. $1.25) postpaid.

Florida Favorite This melon is very popular with shippers, because of its extreme earliness, and all round good qualities as a good shipper. In appearance it is similar to the Rattlesnake, the rind being considerably darker. (Pkt. 10c) (oz. 20c) ($4 lb. 40c) (lb. $1.25) postpaid.

Tom Watson has for several seasons been the most popular melon in the South. Its shape is similar to the Kleckley Sweet, but the color is a lighter green. Its great merit is in its earliness, good flavor, thin rind, and good keeping qualities, making it one of the best of shippers. (Pkt. 10c) (oz. 20c) ($4 lb. 45c) (lb. $1.25) postpaid.

Rattlesnake Has long been a popular melon with shippers. It is a long melon, having a white rind, with dark green stripes. Flesh of excellent flavor. (Pkt. 10c) (oz. 20c) ($4 lb. 40c) (lb. $1.25) postpaid.

Yellow-Fleshed Ice Cream This melon grows a very large size, is long in shape and the rind an even dark green. In quality it is simply delicious, sugary and of a rich flavor peculiar to itself. (Pkt. 10c) (oz. 20c) ($4 lb. 50c) (lb. $1.50) postpaid.

Winter Melon bug itself into favor because of the many good qualities which are not apparent at first acquaintance. The flavor when cold is sweet, crisp and surprisingly delicious, and when you have finished you realize you have eaten a melon as entirely distinct from a water melon as the Casaba is apart from the Cantaloupe and just as delicious. Like the Casaba it should not be eaten right off the vine, but be allowed to lie around until the first signs of decay. It decays slowly like an apple, not like other watermelons. (Pkt. 10c) (oz. 35c) ($4 lb. 1.00) (lb. $3.00) postpaid.

Citron Large Green Weights from thirty to sixty lbs. Is better than pumpkin for stock. Allowed to stay in field or piled in the barnyard will not be damaged by frost nor decay until the following summer. (Pkt. 10c) (oz. 20c) ($4 lb. 35c) (lb. $1.00) postpaid.

Preserving Citron Red Seedless, small round melon. This melon with a proper portion of lemon makes an excellent preserve that is as good as marmalade. (Pkt. 10c) (oz. 20c) ($4 lb. 40c) (lb. $1.25) postpaid.
A & M Okra

Mammoth Long Pod We have greatly improved the original strain and now its productiveness is simply wonderful, the pods shooting out from the bottom of the stalk within three inches of the ground, and the whole plant is covered with them to the height of a man's head, five or six feet. Pods are an intense green in color, of unusual length, nine or ten inches, tender, and of good flavor. (Pkt. 10c) (oz. 20c) (½ lb. 65c) (lb. $1.75) postpaid.

A & M Early Greenpod

We have for a long time endeavored to produce an okra that is earlier than the White Velvet, which has long been the popular market variety. We have succeeded by selection, in producing not only an earlier variety, but a much more tender and prolific okra, and have named it A & M Early Greenpod.

It is just the thing for truckers in the Coachella and Imperial Valleys, because it matures in April, fully a month ahead of other varieties; bears continuously until late in the season.

The pods are three to four inches long, deep green in color, and when young are absolutely stringless.

Every early trucker should have this variety. (Pkt. 10c) (oz. 20c) (½ lb. 35c) (lb. $1.00) postpaid.

White Velvet It's a very attractive white color, good flavor and tender pods when quite young. It has long been a favorite variety. (Pkt. 10c) (oz. 50c) (½ lb. 35c) (lb. $1.00) postpaid.

A & M Mustard

Yellow Seeded The seed is used extensively for spicing, pickling and other culinary and medicinal purposes. The young plants make delicious greens. (Pkt. 10c) (oz. 20c) (lb. 50c) postpaid.

Southern Giant The true curled-leaf variety so popular in the South for planting in the fall. (Pkt. 10c) (oz. 20c) (½ lb. 35c) (lb. $1.00) postpaid.

Ostrich Plume Is delicious as well as ornamental; the leaves resemble ostrich plumes, hence the name. (Pkt. 10c) (oz. 20c) (½ lb. 35c) (lb. $1.00) postpaid.

Chinese White This is a delicious vegetable and savors strongly of Brussels Sprouts, being less pungent than the American varieties. It is greatly relished by the Orientals, and can be seen all the year 'round at vegetable stands kept by the Japanese and Chinese. (Pkt. 10c) (oz. 40c) (½ lb. $1.35) (lb. $4.00) postpaid.

Chinese Green This is an Oriental vegetable, and like the White Mustard, is grown all the year 'round, but like our American favorites best the winter season. (Pkt. 10c) (oz. 40c) (½ lb. $1.35) (lb. $4.00) postpaid.

A & M Mushrooms

Mushrooms can be grown in any dark room or cellar where the temperature can be kept at 50 to 75 degrees. The main conditions in mushroom growing are proper and uniform temperature, and very rich soil. One pound of spawn is sufficient for a bed 2x3 feet. We have the very best spawn obtainable.

Many inquiries come to us from would-be growers of mushrooms. Our reply is not always encouraging because many growers have marvelous success for a time, but we know of not one permanently prosperous grower. There seems to be an element of uncertainty.

Pure Culture Spawn—Brandywine—Put up in bricks. (Per brick 40c) (5 bricks $1.75) postpaid.

A & M Parsnips

French Half Long There is a great demand for this Parsnip because it has all of the good qualities of other parsnips and only grows about one-half as long. It is easily harvested, is of good quality, being tender and crisp at all times. It is very desirable particularly for heavy soils and is a good home garden variety because it is easily dug. (Pkt. 10c) (oz. 20c) (½ lb. 60c) (lb. $1.75) postpaid.

A & M Devonshire This Parsnip was recommended to us by our European growers. It is scarcely more than half as long as the Hollow Crown, but it is often three inches in diameter. Tender and has an excellent flavor. (Pkt. 10c) (oz. 20c) (½ lb. 60c) (lb. $1.75) postpaid.

A & M French Half Long Parsnip
A & M RIVERSIDE SWEET SPANISH

A & M Riverside Sweet Spanish Onion is a separate and distinct strain of the original imported sweet Spanish onion and was developed by us a few years ago. By careful plant selection we have each year improved the type until the A & M Riverside Sweet Spanish Onion is recognized by best authorities as superior to all other strains in flavor, mildness, good keeping qualities and yield per acre. This onion is very popular and commands the highest market price.

It is a large, well shaped brown onion weighing from 1 to 2 pounds. It is unusually mild but still retains its genuine onion flavor. Planted at the proper time and thoroughly cured it is a good keeper and will ship as good as any other shipping onion. It requires about 3 pounds of seed to plant one acre. If planting is made directly in the field, this being the system mostly used in California. For best results sow November-December; however it may also be planted in the spring. Planting in the seed bed for transplanting requires about 1/2 lbs. of seed per acre. In irrigated districts plant in double rows on ridges, having the rows on the ridges about 8 inches apart and 24 inches between the double rows. The size of the onion can be regulated by the distance between onions and the closer they are together the smaller will be the onion. It is important to keep a uniform moisture content in the soil and to keep them growing continuously from the time they are up until harvested. Drying off from lack of moisture may start new buds and may result in splits or goose-necks. Reported yields are from 50,000 pounds to more than 100,000 pounds per acre. Packed in specially branded and sealed bags. (Pkt. 10c) (oz. 60c) (1/4 lb. $2.65) (1 lb. $8.00) postpaid.

A & M WHITE SWEET SPANISH

In flavor, uniformity and mildness this new onion is just as good as the now famous A & M Riverside Sweet Spanish. It is a good keeper, good shipper and the pure white skin is of course most desirable. Many letters of recommendation have come to us from all parts of the country indicating that it may be successfully grown in any soil where other onions are being produced. Many growers and dealers are trying to imitate the A & M Riverside Sweet Spanish and the A & M White Sweet Spanish and we have found in many cases where growers have been disappointed in their crops because the seed they planted was not the true variety. These two onions are genuine A & M introductions and they are not some other variety renamed. The seed crops are grown under our personal supervision so that we are in a position to furnish true type stock without any danger of mixture. For your protection as well as ours, the seed of these is packed in specially printed and sealed bags. (Pkt. 15c) (oz. 80c) (1/4 lb. $2.65) (1 lb. $8.00) postpaid.

Last February I planted one regular 10c packet of your Riverside Sweet Spanish Onion seed in sandy loam, soil that had grown Whippoorwill Cow Peas the season before. In October I harvested 150 lbs. of Onions, the largest being 5% inches in diameter and weighing 42 ozs. Many of them weighed more than 2 lbs. each. They are the finest, juiciest and sweetest onions I ever ate, and what we have not used are keeping perfectly so far.

T. K., San Diego.

I raised 5,000 lbs. of A & M Sweet Spanish Onions last year on 1/4 of an acre. They are the best Onions I ever saw.

E. W. M., El Cajon, Calif.

Two A & M Super Fine Strains of Onion—Grown from Coast to Coast
A & M Onions—Continued

Culture
No crop is so liable to variations by cultivation and soil as the onion. Having rich soil with too much irrigation, it will produce thick-necked scallions, while the same soil, well drained, would produce the finest onions. A sandy loam well fertilized is best.

No vegetable is so sensitive to variations of climate as the onion. It is of utmost importance that the right variety is selected for each month in the year, and for your particular climatic conditions.

Irrigate in the furrow between the ridges to avoid flooding the onion, which causes the onion to rot readily, rendering it unfit to ship or to keep.

Two pounds of seed are required to produce plants for one acre for dry mature onions. One ounce will plant one hundred feet of row. For bunching onions, plant one-fourth pound of seed to 10 feet of row or 10 lbs. per acre.

We claim our onion seed to be the highest type as to germination and purity. When you wish to plant onions consult us as to when, how and what variety to plant.

Australian Brown
Quick to mature; a good keeper; sold and heavy; an excellent onion for shipping. The skin is a light brown. Its solidity gives it great weight and a sack weighs several pounds heavier than a sack of many other kinds. The onions are thin-necked and ripen very early in all soils. As the plant makes a very quick growth it matures the bulbs before the hot, dry summer weather sets in, and this in connection with the exceptional keeping qualities makes it a most profitable variety. (Pkt. 10c) (oz. 20c) (lb. 70c) (lb $2.00) postpaid.

White Portugal or Silverskin
A good second early white flat onion to follow the Extra Early White Queen. It should be planted any time from November 1st until April 1st. It is a good keeper and desired for shipping. Under good cultivation the average diameter is from four to six inches. The skin is a clear silvery white, flesh snow-white, sweet and tender. (Pkt. 10c) (oz. 40c) (1/4 lb. $1.35) (lb. $4.00) postpaid.

Southport White Globe
There is an increasing demand for this variety is very popular being used extensively for shipping purposes. It is a good keeper, either in the field or in cold storage. It is silvery white in color, globe shaped, and of delicious flavor. (Pkt. 10c) (oz. 40c) (1/4 lb. $1.35) (lb. $4.00).

Crystal Wax
The Crystal Wax is a medium sized pure waxy white onion and is one of the mildest sorts grown. The seed of this variety is generally sown in seed beds and the plants transplanted to the field when they are five or six inches high. Planted the latter part of September, they mature in March and April and usually bring the highest market price. It is grown extensively in Southern California and Texas. (Pkt. 10c) (oz. 40c) (1/4 lb. $1.35) (lb. $4.00) postpaid.

Extra Early White Queen
This is one of the best onions to plant for early production In Southern California. Planted during August and September it attains marketable size in March and April and is sold on the local market as early as the Bermuda. Local growers market them while quite young, cutting the top off close to the onion. They harvest only what can be sold from day to day. This practice is very profitable for the reason you are selling a green onion at the price of the early dry onion. (Pkt. 10c) (oz. 40c) (1/4 lb. $1.35) (lb. $4.00) postpaid.

Yellow Bermuda
This variety goes hand in hand with the Crystal Wax and should be given the same culture. It is about the same size as the Crystal Wax but is a yellow straw color and is slightly better for shipping over long distances. Our seed is a heavy producer and there will be very few off colored onions. (Pkt. 10c) (oz. 30c) (1/4 lb. $1.00) (lb. $5.00) postpaid.

Yellow Globe Danvers
The shape is almost globe form and the bulbs are quite large with thin necks. The skin is a straw yellow, while the flesh is pure white, solid and of good quality. Its earliness makes it valuable for market. The crop is very uniform and ripens at one time. (Pkt. 10c) (oz. 30c) (1/4 lb. 90c) (lb. $2.75) postpaid.

Red Bermuda
In shape, like the White Bermuda, color a pale red. Planted during January matures latter part of June. No other onion is ready for use so quickly after planting seed. It is the right onion for the home garden. (Pkt. 10c) (oz. 50c) (1/4 lb. $1.65) (lb. $5.00) postpaid.

Red Wethersfield
Probably the most popular red onion, and the one grown more largely throughout the United States than any other. It is a large medium flat onion of excellent mild flavor. (Pkt. 10c) (oz. 25c) (1/4 lb. $5.50) (lb. $2.50) postpaid.

The Italian Red Bottle
Onion is as popular in some sections of Northern California as is the Sweet Spanish Onion in Southern California. It grows as large, weighing 3 to 4 pounds and has a similar sweet, non-pungent flavor.

Whether you grow for the local market or in the home garden, you will make no mistake to plant this onion. Any consumer who once having eaten them will want more. (Pkt. 10c) (oz. 60c) (1/4 lb. $2.00) (lb. $6.00).

A & M Bunching Onion
Selected especially for market gardeners who are growing onions for bunching.

Many think any white onion will do for a bunching onion, but this is not true. Our growers for fancy trade have learned that we have the best strain of seed for this purpose, and our sales amount to thousands of lbs. each year. The picture shows a sample of what our seeds produce. They are just the right shape. (Pkt. 10c) (oz. 35c) (1/2 lb. $1.20) (lb. $3.50) postpaid.

A & M Onion Sets

The earliest onions are grown from sets planted in September. This brings them in the market in February and March, when prices are highest. About 250 lbs. of sets will plant about fifty feet of row. (Lb. 40c postpaid) (10 lbs. $3.50 postpaid). Write for quantity prices.
A & M Peppers

Culture For early green peppers, sow seed in hot beds in December and January. Transplant as soon as weather and soil in your locality will permit. For main crop sow seed in February, March and April, in hot bed. Pepper seeds need the heat of a hot bed to germinate it during these months. For fall and winter crop sow seed in out-door beds well prepared, during May and June. Winter crops can be grown in places that are entirely frostless. Sow at the rate of 6 ozs. of seed per acre.

For field culture the plants are set eighteen inches apart in rows 3 to 4 feet apart.

A & M Wonder Bell Pepper

In size these superb peppers average 4 inches in length and 3½ inches in diameter, with a very slight taper, making them almost square. The weight is approximately 9 ozs., which is considerably heavier than any other pepper of the same size. This additional weight is due to the thick walls which are very meaty, being ¼ to ⅛ inches in thickness. Because of the shape they pack well for shipping and being solid will not wilt in transit. The rich, deep green skin is smooth and glossy. This variety is also excellent for the home garden and when used for salad purposes, for stuffing or otherwise, will please the most critical. We have specialized in peppers for a number of years and consider this one of the most important introductions of recent times. (Pkt. 10c) (oz. $1.20) (¼ lb. $4.00) (lb. $12.00) postpaid.

A & M Chinese Giant There is probably no better strain of this pepper than the one we have and since we have given particular attention to selection for uniform shape, we think we have the finest strain for shipping purposes. The sidewalls are thick and where they are given proper cultivation the yield is enormous. (Pkt. 10c) (oz. 80c) (¼ lb. $2.65) (lb. $8.00) postpaid.

A & M Pimiento Every home garden should have a row of this Pimiento. For salad parboil it to remove the skin. Stuffed and baked it is far superior to all other peppers. (Pkt. 10c) (oz. 60c) (¼ lb. $2.00) (lb. $6.00) postpaid.

Salad Pimiento Thick, firm meat of mild flavor. Color bright red. It is a little more flat than a Pimiento and is perfectly smooth from stem to blossom. The size is about one to ¾ inches. 2 inches in diameter and is a convenient size for canning. (Pkt. 10c) (oz. 75c) (¼ lb. $2.50) postpaid.

Bell or Bull Nose Do not confuse this with the Chinese Giant. It is similar in shape but scarcely more than half as large. It is much more prolific and a very desirable variety for the home garden. (Pkt. 10c) (oz. 60c) (¼ lb. $2.00) (lb. $6.00) postpaid.

Ruby King A very satisfactory pepper for the home gardeners. It bears in profusion, handsome fruit, 4 to 5 inches in length and about 3 inches in diameter. Fruits are a rich, dark green while young, turning ruby red when ripe and the flesh is thick and meaty. (Pkt. 10c) (oz. 60c) (¼ lb. $2.00) (lb. $6.00) postpaid.

Perfection Pimiento One of the mildest flavoured peppers in cultivation—so mild it can be eaten raw as an apple. It is an excellent salad pepper and is also much in demand for canning. In size it is much larger than the ordinary Pimiento. (Pkt. 10c) (oz. 60c) (¼ lb. $2.00) (lb. $6.00) postpaid.
Peppers—Continued

Anaheim Chili

Anaheim Chili is desired above all others for culinary use because of its agreeable pungency. Other pungent varieties are intolerable, not so with the Anaheim Chili. That is what makes it the best seller in the market and the best pungent variety for canning. (Pkt. 10c) (oz. 50c) (¼ lb. $1.65) (lb. $5.00) postpaid.

Spanish Gem

Like the Floral Gem it is very pungent with a flavor that is desired for pickling. In size it will average from ¾ to 1 inch in diameter, and 1 inch to 1½ inches in length. It is marketed when quite yellow. (Pkt. 10c) (oz. 75c) (¼ lb. $2.65) (lb. $8.00) postpaid.

Floral Gem

This beautiful yellow pepper became popular several years ago. It is 1¾ inches in diameter, ½ to 3 inches long, delightfully pungent with a flavor quite distinct from other peppers, and commands an independent price. Its supply has not yet caught up with the ever-increasing demand. This pepper turns from green to a beautiful waxy yellow. When mature it is red. It is marketed when yellow. (Pkt. 10c) (oz. 75c) (¼ lb. $2.25) (lb. $8.00) postpaid.

Mexican Chili

In a class by itself on account of its extraordinary pungency. It is best canned and is used almost exclusively for grinding and sold as cayenne, the trade of which is surprising. Our seed is pure and taken from selected peppers grown far from other varieties. (Pkt. 10c) (oz. 50c) (¼ lb. $1.65) (lb. $5.00) postpaid.

Cayenne

A long, slim pepper, rather pointed, and when ripe, a bright red color. Extremely pungent. (Pkt. 10c) (oz. 80c) (¼ lb. $2.65) (lb. $8.00) postpaid.

Small Chili

This small pepper is ½ inch in diameter, and two to three inches long. It is very pungent and marketed when quite green, although it is also sold when it has become red. It is an old time favorite and finds a market with canners and at stores catering to the Spanish population. (Pkt. 10c) (oz. 80c) postpaid.

Cherry

A very pungent pepper, round as a cherry, about one inch in diameter, marketed when green. Used largely in pickling and by the foreign trade. There is a profit to the person who will specialize on this and other small pungent peppers. (Pkt. 10c) (oz. 80c) postpaid.

A & M Peanuts

READ—The Peanut is too much neglected. Its various uses are of great economic value. Its value as a food is well known, but few ranchers realize its value as a soil renovator, adding humus and nitrogen. As hog food, there is nothing better. The straw is rich in food value and may be pastured green, cured as hay or ensilage, and the yield of hay is often from two or more tons per acre. It grows on soil that may be too sandy for other crops. Therefore, if you have sandy soil, make it valuable by planting peanuts.

Virginia Improved

This variety is much superior to the ordinary Peanut, yielding fewer imperfect pods and combining earliness, productiveness and size, yields on ordinary land about 40 sacks to the acre. Plant 18 inches apart in rows 3 feet apart. Drop 2 kernels to the hill. (Lb. 40c) (10 lbs. $3.50) postpaid. Write for quantity price.

Spanish Hulled

This is the small peanut used so largely in confectionery lines, salted peanuts, etc. It is very prolific and is more profitable to grow as a crop than the Virginia. They grow in small compact bunch on a small vine and are easily harvested. Plant 30 to 30 pounds of hulled nuts per acre in furrows 2 to 3 inches deep and about one foot apart in the rows, with the rows far enough apart to allow for harrow cultivation. (Lb. 40c) (10 lbs. $3.50) postpaid.

Ask for Peanut circular.
A & M Pumpkin

Culture Pumpkins delight in rich, sandy soil that is perpetually moist—the soil that retains moisture by the dry farming method, because pumpkins do not want too much water, and to flood them would destroy them, so when irrigating make the furrows nearly as far from the hill as the tip of the vine, and when the vines intersect, run the water through the middle of the row. Plant the seeds every 8 or 10 feet, allowing only one plant to remain, 1 lb. of seed plants an acre.

Kentucky Field or Large Cheese This variety is locally called Sweet Pumpkin, and is grown more than any other of its kind for stock, because it is a good keeper, notwithstanding it has a soft shell. It is fleshy and very sweet; also good for pie, and is largely used for canning. On one large ranch in the San Fernando Valley there was planted a large acreage to nearly all the popular varieties; this one was unaffected by the hot sun, and remained in perfect condition while other varieties were sun-burned and decayed quickly. (Pkt. 10c) (1/4 lb. 35c) (lb. $1.00) postpaid.

Estampes We have the purest stock seed from which to grow this pumpkin. It is the heaviest pumpkin for its size that we know of; 100 pounds is not an unusual size for them to attain. It is the canner's favorite because of its thick, deep red flesh and the fine sweet flavor. It is without exception the best for dairy stock, and only the scarcity of the seed has prevented it from being more widely known. We are informed by dairy-men that the percentage of butter-fat is increased greatly as the result of feeding this pumpkin. (Pkt. 10c) (1/4 lb. 50c) (lb. $1.50) postpaid.

Sugar or Boston Pie A small handsome variety, and very popular. The skin is a deep orange yellow; flesh fine grained and sweet in taste. Famous in Boston as a pie pumpkin. It sells better on our local market than any other variety except the Jack-o'-Lantern at Hallowe'en time. (Pkt. 10c) (1/4 lb. 50c) (lb. $1.50) postpaid.

Sandwich Island The most popular pumpkin in Ventura County. It is as hardy as a citation. A good one to plant when water is scarce. (Pkt. 10c) (1/4 lb. 35c) (lb. $1.00) postpaid.

Mammoth King This is the large pumpkin so well known locally. As many as 20 tons have been taken from one acre. It not infrequently attains a weight of 200 pounds. (Pkt. 10c) (oz. 20c) (1/4 lb. 60c) (lb. $1.75) postpaid.

Cushaw or Crookneck This excellent pumpkin ought not to be planted more largely. There is more pumpkin for its size because of the small seed cavity. It is excellent for pies, and yields enormously. (Pkt. 10c) (1/4 lb. 50c) (lb. $1.50) postpaid.

Connecticut Field (The Jack-o'-Lantern)—This is the pumpkin planted largely for the Halloween and Thanksgiving trade, at which time they bring $2.00 to $2.50 per ton, and two cents per pound at retail stores. Twenty tons to the acre is no unusual yield. If the land has been manured liberally a full crop can be grown among corn. It is a most excellent keeper, and will be sure wealth to all who grow and feed it liberally. (Pkt. 10c) (1/4 lb. 45c) (lb. $1.25) postpaid.

Pumpkin Seed for Medicinal Purposes Pumpkin Seed is oftentimes in demand in the case of certain ailments, the seed being steeped in the same manner as tea. We can offer seed suitable for this purpose. (1/4 lb. 35c) (lb. $1.00) postpaid.

Connecticut Field (Jack-o'-Lantern)

A & M Parsley

Culture The seed usually takes 3 to 4 weeks to germinate and it is best to soak it in water about 12 hours before planting. Sow in drills a foot apart and thin plant to 4 inches.

A & M Champion Moss Curled An immense acreage of this parsley is grown in Southern California for the local market and for shipping to outside territory. A small plot of this in the garden will furnish garnishing material almost the year around. (Pkt. 10c) (oz. 20c) (1/4 lb. 60c) (lb. $1.75) postpaid.

Plain or Smooth-leaved This variety has a richer parsley flavor than the curled varieties and should be preferred for the home garden. It is not profitable to the market gardener for the reason that the curled variety will produce much more per acre. (Pkt. 10c) (oz. 20c) (1/4 lb. 50c) (lb. $1.50) postpaid.

Extra Double Curled A good curled variety for garnishing. (Pkt. 10c) (oz. 20c) (1/4 lb. 60c) (lb. $1.75) postpaid.

Hamburg Turnip Rooted Fleshy vegetable roots for soups, etc. (Pkt. 10c) (oz. 20c) (1/4 lb. 60c) (lb. $1.75) postpaid.

Gardening Books

The following books are standard and authentic works on Vegetable and Flower cultivation. They were written expressly for California and similar sections by the late Professor E. J. Wickson.

California Garden Flowers, Shrubs, Trees and Vines (350 pages), each $2.00, by mail $2.10.

California Vegetables in Garden and Field (300 pages), each $2.50, by mail $2.60.

California Fruits and How to Grow Them (509 pages), each $4.00, by mail $4.10.
A & M Garden Peas

Market gardeners write for quantity prices on all varieties.

Culture Peas are very susceptible to soil and climate. Within the radius of a few miles of Los Angeles and in one locality or another, peas may be grown every month of the year.

In a thermal zone plant peas from September 1st to February 1st, and in lowlands from January 1st to September 1st. In summer months, from May to September, plant two inches deep in heavy soil and deeper in sandy soil. From December to April, plant not more than one inch deep. The object of this is to have the seed deep enough to lie in the moist earth, and shallow enough to set quickly from the sun. Never irrigate after planting peas until they come up. Irrigate before planting, but do not plant until the soil is tillable.

Peas will rot in soil that is too wet, especially during the winter months. They will stand a great deal of frost and cold weather until they bloom, but after they bloom a heavy frost will destroy the pods, and if cold enough, will kill the vines. Many planters sow one hundred pounds of seed per acre, but fifty pounds of seed per acre, drilled in rows and well cultivated will produce larger pods and more peas per acre; besides, there will be less mildew, if mildew appears, dust with sulphur. Put the rows north and south for winter planting to give them as much sun as possible.

The following varieties are best adapted for planting in the fall in California—Hundredfold, Laxton’s Progress, Dwarf Telephone, Laxtonian, Admiral and Stratagem.

Admiral or Senator This is still one of the favorite varieties in some sections of Southern California. It has dark green foliage, large branching vines, and the pods are large and well filled. In favored sections it matures in about twelve weeks from planting. We suggest that commercial growers include a few of these in their order about twelve weeks from planting. We suggest that commercial growers include a few of these in their order and try them out. Height 2½ feet. (Pkt. 10c) (Jumbo pkt. 15c) (½ lb. 20c) (lb. 35c) (10 lbs. $3.00) postpaid.

American Wonder The earliest of all wrinkled peas. Of dwarf habit, growing from 8 to 11 inches high, and producing a profusion of good-sized and well-filled pods of the finest flavor. (Pkt. 10c) (Jumbo pkt. 15c) (½ lb. 20c) (lb. 35c) (10 lbs. $3.00) postpaid.

Dwarf Telephone Medium tall; pods very large; medium-sized and medium-sized peas. (Pkt. 10c) (Jumbo pkt. 15c) (½ lb. 20c) (lb. 35c) (10 lbs. $3.00) postpaid.

Dwarf Gray Sugar (Edible pods.) Of extraordinary yielding qualities, and unsurpassed as an edible-pod variety. (Pkt. 10c) (½ lb. 20c) (lb. 35c) (10 lbs. $3.00) postpaid.

A & M Hundredfold Plantings of these in the Imperial Valley and other pea producing sections have aroused considerable enthusiasm for the variety and it is now considered one of the leading varieties. It is dwarf, stands up well, and produces abundantly. The large pods are well filled with highly flavored and sweet peas. Height 18 inches. (Pkt. 10c) (Jumbo pkt. 15c) (½ lb. 20c) (lb. 35c) (10 lbs. $3.00) postpaid.

A & M Laxtonian Commercial growers of peas for shipments to eastern market have learned to depend upon A & M Laxtonian Peas. We sell great quantities of this variety to particular growers who want the best. It is the standard early variety for the west coast of Mexico, Imperial Valley and other large producing districts. In habit of growth it is medium dwarf, bearing pods five to six inches long. The pods are of good size and are closely packed together that they become flattened. Height 2½ inches. (Pkt. 10c) (Jumbo pkt. 15c) (½ lb. 20c) (lb. 35c) (10 lbs. $3.00) postpaid.

Laxton’s Progress Similar type of pea to Laxtonian. The foliage being of a dark green color. The pods are long and also of a dark brown color. A desirable variety and has become very popular with market gardeners. For home gardens it is also highly recommended. Height 18 inches. (Pkt. 10c) (Jumbo pkt. 15c) (½ lb. 20c) (lb. 35c) (10 lbs. $3.00) postpaid.

Tall Telephone Vines vigorous, growing about 4 to 5 feet high, with large, coarse, light-colored leaves and producing an abundance of very large pods filled with immense peas which are tender, sweet, and of excellent flavor. If grown on poles or trellis in the same manner as Kentucky Wonder Beans, more pods are produced and they are larger and brighter in appearance. (Pkt. 10c) (Jumbo pkt. 15c) (½ lb. 20c) (lb. 35c) (10 lbs. $3.00) postpaid.

Nott’s Excelsior Although a few days later than the age fully one-third larger, containing 6 to 8 large peas, so closely packed together that they become flattened. Height 15 inches. (Pkt. 10c) (Jumbo pkt. 15c) (½ lb. 20c) (lb. 35c) (10 lbs. $3.00) postpaid.

Stratagem The Stratagem has been a favorite among market gardeners and it is just as good for the home garden as it is for larger acreages. The pods are a dark green color and remain firm several days after picking. It is a strong grower, very prolific, the pods are of good size and are always well filled. The vines usually stand upright, to a height of about 2 feet on good soil and they are very productive. The dark green color of the pod makes it a good seller in all markets and in addition to this the grower is usually rewarded with a good yield. (Pkt. 10c) (Jumbo pkt. 15c) (½ lb. 20c) (lb. 35c) (10 lbs. $3.00) postpaid.

Yorkshire Hero A very popular market pea in this section. Abundant cropper and excellent in quality. Height 2½ feet. (Pkt. 10c) (Jumbo pkt. 15c) (½ lb. 20c) (lb. 35c) (10 lbs. $3.00) postpaid.

NOTE—For increased yield, inoculate peas before sowing with McQueen’s Dust-Kote Inoculator.
**A & M Potatoes**

**Culture**  
Plant potatoes deeper in sandy soil than in heavier ground, a good average depth being 5 inches. They should be spaced 14 inches apart in the rows with the rows 30 inches apart. When dividing tubers for planting do not cut them too small. Each piece should be at least one cubic inch and have at least two eyes. Better results will be obtained if the cut surface is allowed to dry or heal for 24 hours before planting, and some growers make a practice of dusting with sulphur to prevent disease. If potatoes follow alfalfa or melilotus, good yields can usually be obtained without the use of commercial fertilizer, but A & M Special Potato Fertilizer listed below will be found profitable. Keep the soil moist at all times.

**Potato Inspection**  
All seed potatoes are subject to rigorous inspection by County Horticultural authorities, thus ensuring great protection to the grower.

**Prices**  
As market conditions vary considerably, we invite you to write for prices, stating quantity required and we will be pleased to quote lowest prices in conformity with our high standard of quality.

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**Early White Rose**  
The most popular potato for Southern California is undoubtedly Early White Rose, for the reason that for many years it has proven more satisfactory under varied conditions than other varieties. It is not particular as to soil. It matures quickly, making it a good variety to grow without irrigation and it is out of the ground before nematode and other enemies have done great injury. Because of its earliness it costs less to grow. In stock December 1st to May. (5 lbs. 40c) (10 lbs. 75c) (25 lbs. $1.35) Postage extra. Write for quantity prices.

**Early Red Rose**  
This variety is generally cooked whole when quite young and is therefore very desirable for the home garden and for market bag or box business, where there is a demand for new potatoes. Red potatoes do not have a ready sale in sack trade. Plant during December, January and February. (5 lbs. 40c) (10 lbs. 75c) (25 lbs. $1.35) Postage extra. Write for quantity prices.

**British Queen**  
Especially profitable to grow for a fall crop as it stands drought and cool weather better than other sorts. Hundreds of acres are planted during the fall months on the hillsides along the coast and in other parts of the State. Our stock is grown and graded for seed purposes and we are thus in a position to furnish high grade seed. In stock October to May and shipped from Australia to all parts of Europe. It is an annual plant that has been sufficiently tested to indicate its great value and to warrant more extended cultivation. The calyx surrounding the seed pod is usually destroyed. Every home garden should have a row of this ornamental and useful plant. (Pkt. 10c) (oz. 75c) (1/4 lb. $2.50) postpaid.

**A & M Roselle**

**Culture**  
Sow seed early in April in the field, four feet apart. In rows six feet apart, cultivate as Okra. There is an early and a late Roselle. Be sure to get the early variety, because the frost is almost sure to destroy the late variety before it matures. We offer only the early variety. It is an annual plant that has been sufficiently tested to indicate its great value and to warrant more extended cultivation. The calyx surrounding the seed pod is usually destroyed. Every home garden should have a row of this ornamental and useful plant. (Pkt. 10c) (oz. 75c) (1/4 lb. $2.50) postpaid.

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**DIP TREATMENT OF POTATOES**  
To growers who wish to disinfect potatoes before planting, we highly recommend SEMENAN BEL, a preparation designed specifically to furnish an easy, rapid and simple method of seed potato disinfection. Semesan Bel dries quickly on the seed forming a thin coating of disinfectant. Surface-borne organisms of rhizoctonia, scab and black leg are usually destroyed. The treatment also frequently promotes more uniform germination of seed pieces and often improves the stand and the vigor of the plants. Semesan Bel readily mixes with cold water. One pound will make 10 quarts of dip and will treat approximately 1,200 lbs. of whole or large seed pieces and about 550 lbs. of small or cut seed. PRICES—(4 oz. tin 50c) (1 lb. tin $1.75) (5 lb. tin $8.00) (25 lb. pail $31.25) f. o. b. Los Angeles. Cannot be mailed. (Write for descriptive circular.)
AGGELER & MULLER SEED CO.
Los Angeles, California

A & M Radish

Early Long Scarlet Very brittle and crisp; color a bright scarlet; small top, Six to eight inches long. (Pkt. 10c) (oz. 20c) (½ lb. 45c) (lb. $1.25) postpaid.

Large White Chinese This is a winter radish of deliciously sweet flavor; can be eaten as a turnip as it is without string. The Chinamen use this variety exclusively. (Pkt. 10c) (oz. 20c) (½ lb. 45c) (lb. $1.25) postpaid.

Japanese All Season It is a very large, long, snow-white radish; deeply rooted, does not extend above the soil, hence it always is tender and crisp and has a delicious flavor. (Pkt. 10c) (oz. 20c) (½ lb. 45c) (lb. $1.25) postpaid.

Japanese Winter A half-long white radish more adapted to our winter climate: It compares very favorably with our American varieties, besides it is much larger. (Pkt. 10c) (oz. 20c) (½ lb. 45c) (lb. $2.50) postpaid.

Japanese Summer Its beautiful white color and mammoth size attracts great attention. It is very tender and the flavor is exceedingly mild. It attains perfection in California, growing twenty-six inches in length and three inches in diameter. It is a profitable radish to grow, as it sells readily. It is excellent cooked as a turnip. (Pkt. 10c) (oz. 25c) (½ lb. 85c) (lb. $2.50) postpaid.

China Rose A delicious radish, crisp, with little tendency to become pithy. Skin is a beautiful deep scarlet and flesh pure white. It is a good seller and is in great demand by the vegetable peddlers. (Pkt. 10c) (oz. 20c) (½ lb. 45c) (lb. $1.25) postpaid.

Try This
Plant the little round radishes in the same row at the same time with beets or carrots. The radishes will break the way for the beets and carrots and will be ready for pulling by the time they need the room.

Rhubarb

A & M CHERRY RHUBARB
Write for Circular

This superb variety was first offered by us in 1925 and proved a sensation wherever grown. Shipments were made all over the country and we know from its beautiful cherry red appearance alone makes an instant appeal. In addition to this it is less tart than other sorts. There is no coarse fibre and the stems will keep in marketable condition for some weeks after maturity. This peerless strain is far superior to any root we know. Its yield is 400 lb. boxes per acre being the average cutting that may be expected in a warm climate. Four cuttings are usually made per year.

Roots should be planted by hand on level land, the crowns being placed one-half inch deep in un heavy soils and one inch deep in sandy loam. Set 2 feet apart in rows 5 feet apart. Moisture must be kept to surface until plants are established. In districts where frosts would retard the growth it is recommended that planting be deferred until the latter part of February but in warmer locations roots may be set out earlier. Roots 35c each, $3.50 per doz., prepaid. Not prepaid, $27.00 per 100. We do not offer seed of this variety.

Giant Winter
ROOTS—This variety is very early and is a very desirable sort to grow. 25c each, $2.50 per doz., postpaid.
SEED—Some seed of Rhubarb any time from February 1 until July 1. Transplant when the roots are as large as a pencil. Within five months of sowing, the plants will bear large stems and grow nearly the entire year. Rhubarb seed will not always produce plants true to type. (Pkt. 10c) (oz. 25c) (½ lb. 50c) (lb. $16.00) postpaid.

Culture Seed may be sown the year round in California. Radishes thrive best in light, sandy loam, made rich with manure. Sow in drills 10 inches apart. An ounce of seed will sow a hundred feet of row, 12 pounds to the acre. Seed may be sown the year 'round in California. Rhubarb seed will not always produce plants true to type. (Pkt. 10c) (oz. 20c) (½ lb. 45c) (lb. $1.25) postpaid.

Early Scarlet Globe Very popular variety on the Los Angeles market. The radishes are oval in shape and are a rich scarlet color. (Pkt. 10c) (oz. 20c) (½ lb. 45c) (lb. $1.25) (5 lbs. $8.00) (10 lbs. $11.00) postpaid.

Scarlet Turnip White Tip An early variety of medium size and excellent flavor and of a very handsome appearance. (Pkt. 10c) (oz. 20c) (½ lb. 45c) (lb. $1.25) (5 lbs. $6.00) (10 lbs. $11.00) postpaid.

Early Scarlet Turnip One of the earliest and best sorts for forcing; its color is very handsome; flavor very mild, crisp and juicy; stands a great amount of heat without becoming pithy. (Pkt. 10c) (oz. 20c) (½ lb. 45c) (lb. $1.25) (5 lbs. $6.00) (10 lbs. $11.00) postpaid.

French Breakfast A splendid variety, medium-sized, olive-shaped, very crisp and tender; of a beautiful scarlet color. (Pkt. 10c) (oz. 20c) (½ lb. 45c) (lb. $1.25) postpaid.

Crimson Giant A variety extraordinary in that, while growing to an unusually large size, it is always tender, crisp and of mild flavor. It remains in perfect condition a remarkably long time, and unlike other forcing varieties, does not become pithy; root turnip shaped; color a beautiful crimson; flesh firm and crisp. (Pkt. 10c) (oz. 20c) (½ lb. 45c) (lb. $1.25) postpaid.

Long White Icicle For the home garden we consider this a most excellent table variety. Its extreme earliness, beautiful, pure white appearance, excellent flavor and crispness should make it a favorite everywhere. (Pkt. 10c) (oz. 20c) (½ lb. 45c) (lb. $1.25) (5 lbs. $6.00) (10 lbs. $11.00) postpaid.

Half Long Scarlet This variety should be more popular for table use, not too large, never pithy, but always crisp and sweet. (Pkt. 10c) (oz. 20c) (½ lb. 45c) (lb. $1.25) postpaid.
A & M Spinach
Market gardeners write for quantity prices.

Culture  Sow in drills, one foot apart, and for succession, every two weeks; as it grows, thin out or use, keeping clean of weeds. It grows the year round in California. Sow one ounce of seed for 100 feet of drill, or 12 to 15 pounds to an acre. For field culture, plant level in rows 10 to 15 inches apart. This distance permits easy horse cultivation.

Spinach is best adapted to a rich, light loam and is not a satisfactory crop to grow on soils of poor quality or those which will not retain moisture. The climatic requirements of this crop are very exacting. The plants will stand without injury a relatively low degree of temperature, but are seriously injured by heat. Planting late in the spring should be avoided since the plants will not make a satisfactory growth during hot weather. When planted during the rainy season, provided the soil is of a sandy nature and is free from weeds so that it will not pack, the crop may require no cultivation.

Spinach does well in some shade and can be grown between trees as well as in the open field. It is ready to harvest in six weeks to two months after planting. The yield per acre varies from three to five tons, with an average production of four tons. (As much as eight tons have been grown.)

MARKET.—On the local market there is a uniform demand throughout the year for home consumption but during the winter months the shipper requires enormous quantities. The canner contract for large acreages each year.

A & M Special Prickly Winter  Great improvement on the ordinary Prickly Winter. The leaves are of huge size, being thick and broad and the color is a medium green. (Pkt. 10c) (oz. 25c) (lb. 75c) (5 lbs. $3.50) postpaid.

Prickly Seeded Winter  This variety thrives best in the coldest weather. Our strain is the highest type possible and the seed we are offering has proven itself perfectly satisfactory especially to market gardeners, as it produces wide thick leaves of dark green color. (Pkt. 10c) (oz. 20c) (lb. 60c) (5 lbs. $2.75) postpaid.

New Zealand  A spreading vine with numerous branches. One plant will cover an area four feet in diameter. Prefers a partial shady situation, where plenty of moisture is available. The tender tips may be cut every few days and cooked as spinach; it is just as good. One packet of seed is enough for a family garden. (Pkt. 10c) (oz. 20c) (5 lbs. $1.50) postpaid.

A & M Special Virolay
Splendid long standing variety. Produces fine large leaves, very thick and it is altogether a decided advancement in this class of Spinach. (Pkt. 10c) (oz. 25c) (lb. 75c) (5 lbs. $3.50) postpaid.

Virolay  This variety has become popular as an all-round Spinach. It is desired by the grower because it is harder than other varieties and will produce in tonnage per acre more than any of them.

The canner and shipper like it because of its large smooth leaves.

A & M Summer Success  For several years we have endeavored to secure a type of Spinach that would prove profitable to grow in summer time, and after several trials this one proved the greatest success. With moist, loamy or peat land the A & M Summer Success will grow leaves 14 inches long. The leaves are very meaty and crisp. (Pkt. 10c) (oz. 25c) (lb. 75c) (5 lbs. $3.50) postpaid.

Bloomdale  Large green thick crimped leaves, grows luxuriantly, producing twelve to fifteen tons per acre. Will stand more heat than other varieties. (Pkt. 10c) (oz. 25c) (lb. 60c) (5 lbs. $2.75) postpaid.

Broad-Leaved Flanders  Is one of the best varieties for all purposes, and excels others for summer planting. (Pkt. 10c) (oz. 25c) (lb. 60c) (5 lbs. $2.75) postpaid.

A & M Salsify
Culture  Sow the seed in the spring in drills one foot apart and one inch deep, thinning out plants to four inches. It succeeds best in light, well-enriched soil. One ounce of seed for 50 feet of drill.

Mammoth Sandwich Island  A large and superior variety. Mild and delicately flavored. (Pkt. 10c) (oz. 25c) (5 lbs. 85c) (5 lbs. $2.50) postpaid.

Tobacco
Acclimated Havana  For quality this is the very best. (Pkt. 10c) (oz. 50c)
Pennsylvania Broad-leaf  The best variety to grow in the home garden for use in the chicken house or other insecticide purpose. Also if handled properly makes a good smoking tobacco for the pipe. (Pkt. 10c) (oz. 60c)

OUTWORMS  Cutworm injury almost invariably occurs in the spring, plants usually being cut off at the surface or a little below the surface of the ground. This injury begins as soon as the first plants sprout and continues until late in June or early July when the worms have become full grown. Feeding takes place at night, the worms resting during the day beneath debris or in the soil. For best results in controlling this pest distribute Snarol over infested areas, taking care to sprinkle it around each hill. See page 99.
A & M Squash

Market gardeners write for quantity prices.

Culture Seed should not be planted until all danger of frost is past. In open ground plant in hills 3 feet apart in rows 4 feet apart for summer varieties and 10 feet by 6 feet for winter varieties. In orchard plant only one row between trees. When the vine is well along do not flood the hill, but keep the irrigation furrow nearly as far from the hill as the length of the vine. Keep in mind that the roots are longer than the vines. Very early plantings may be protected with Hot Caps. Two pounds of seed plants an acre for summer varieties and 1½ pounds for winter varieties.

SUMMER VARIETIES

Zucchini or Italian The favorite Italian squash. It should be eaten when quite young, four to six inches long. It is a delicious summer variety; do not hesitate to plant it. It is very prolific, a few hills will suffice to keep the family well supplied the entire summer. It is now more popular on the market than the White Bush Scallop. (Pkt. 10c) (oz. 20c) (¼ lb. 50c) (lb. $2.00) postpaid.

A & M White Bush Scallop The well known summer squash that has been the standard for more than fifty years, and always in demand because of its earliness and delicious flavor. (Pkt. 10c) (oz. 20c) (¼ lb. 40c) (lb. $1.25) (5 lbs. $5.75) 10 lbs. $11.00) postpaid.

Golden Summer Crookneck The popular well known Crookneck (Pkt. 10c) (oz. 20c) (¼ lb. 50c) (lb. $1.50) postpaid.

Cocozelle Differ from Zucchini in that it is marked with heavy dark green stripe. Equal to the White Bush Scallop for the table when taken quite young. It is enormously prolific. When gathered closely the vines will keep bearing continuously all summer, and far into the fall. It survives drought to a wonderful degree. (Pkt. 10c) (oz. 25c) (¼ lb. 65c) (lb. $2.00) postpaid.

Long White Marrow This is exceedingly delicious as well as the most prolific of all English Marrows. Steamed when quite young or fried as egg plant it is equal to egg plant itself. The squash is about 12 inches long when mature, and has a light creamy color. It grows luxuriantly and bears abundantly all summer under very adverse conditions. It will grow, when continuously harvested, more food for hogs than pumpkins. (Pkt. 10c) (oz. 20c) (¼ lb. 60c) (lb. $1.75) postpaid.

GREEN WARTED HUBBARD This variety is grown more largely throughout the United States than any other. It is used in many ways, but mostly for pies. It is a good keeper and because of its hard warty rind, it is the best of shippers. Therefore many acres are grown in Southern California for that purpose, and many more for the bakers, the canners and family consumption. (Pkt. 10c) (oz. 20c) (¼ lb. 45c) (lb. $1.25) (5 lbs. $5.75) 10 lbs. $11.00) postpaid.

Green Warted Hubbard This variety is grown more largely throughout the United States than any other. It is used in many ways, but mostly for pies. It is a good keeper and because of its hard warty rind, it is the best of shippers. Therefore many acres are grown in Southern California for that purpose, and many more for the bakers, the canners and family consumption. (Pkt. 10c) (oz. 20c) (¼ lb. 45c) (lb. $1.25) (5 lbs. $5.75) 10 lbs. $11.00) postpaid.

WINTER VARIETIES

A & M Banana This squash grows from one to two feet in length. Flesh firm and solid of beautiful orange-yellow and excellent quality. It keeps from one season until another. When quite young it is excellent to cook as a marrow. (Pkt. 10c) (oz. 20c) (¼ lb. 50c) (lb. $1.50) (5 lbs. $7.00) (10 lbs. $13.00) postpaid.

Pike's Peak An excellent winter squash. Fine grained and superior in flavor and keeping qualities. (Pkt. 10c) (oz. 20c) (¼ lb. 50c) (lb. $1.50) postpaid.

Golden Hubbard The flesh is of a deep golden yellow—a much richer color than the Green Hubbard—fine grained, cooks very dry, and has excellent flavor. (Pkt. 10c) (oz. 20c) (¼ lb. 65c) (lb. $2.00) postpaid.

English Cream Marrow or Fordhook Squash This is a most desirable squash for either summer or winter use. Oblong in form, eight or ten inches in length. If gathered young for cooking it is excellent, while if allowed to ripen on the vine they can be stored and will keep in good condition until late the following June. (Pkt. 10c) (oz. 20c) (¼ lb. 60c) (lb. $1.75) postpaid.

Kitchentette A small Hubbard Squash reduced in size to about 5 pounds, just right for the average family. One half of a large Hubbard is usually wasted. The Kitchentette is a good seller for the vegetable vender. (Pkt. 10c) (oz. 25c) (¼ lb. 75c) (lb. $2.00) postpaid.
A & M Tomatoes

Culture Tomatoes do best on light warm, not over-rich soil, and success depends upon securing a rapid, vigorous and unchecked growth during the early part of the season. Sow in hot-beds from 6 to 8 weeks before they can be set out of doors, which is when danger from frost is past. Use 2 ounces of seed per acre.

Transplant three to six feet apart in rows four to six feet apart, according to variety—three feet for those varieties of upright growth, and six feet is not too far apart for vining varieties which soon cover the ground solidly. The soil should be plowed and pulverized to a depth of ten or twelve inches, the deeper the better, in order that the roots may keep in the cool earth, for as soon as the roots are heated by the hot, dry soil near the surface, the plant quickly sickens and dies, and the grower can see no cause for it.

Many growers are now treating seed with Semesan before sowing. This helps to control diseases and develops sturdier plants.

Root blight may very often be prevented by spraying frequently with Bordeaux Mixture, beginning when the plants are young and continuing throughout the season. A cup full of the liquid Bordo poured around the stem of the plant where it will soak down to the root system Is also effective. It is also a good plan to dip the roots in a solution of Bordeaux Mixture when transplanting. Blight may often be prevented, but it is difficult to cure.

The time of planting and variety depend upon your local market, soil and climatic conditions, and the purpose for which they are grown.

A & M MARGLOBE TOMATO

A wonderful variety thoroughly recommended for any soil or climatic conditions adaptable to tomato growing. It is a hybrid from Marvel, a government strain; the flesh is red and the very thin outer skin is golden. The red flesh showing through the golden skin produces a rich red color with a tinge of gold showing through. The meat is solid with very few seeds, non-acid, almost a globe shape, size is medium, averaging 7 to 9 ounces in weight, a good shipper, excellent for local market and will probably become one of the leading canning varieties. We have every reason to believe that it is resistant to Fusarium Wilt and Nailhead Rust, and this is one of the greatest things in its favor.

(Pkt. 15c) (oz. 50c) (1/4 lb. $2.50) (lb. $7.50) postpaid.

A & M First Early We introduced this tomato in 1909 and from that time to the present it has superseded many early varieties throughout Southern California and Mexico and is constantly gaining favor among the important tomato growers in big producing sections, such as Imperial Valley, Salt River Valley of Arizona and other similar districts. As an early variety and money maker it has no equal among tomato varieties. It is uniform in size and packs well, making it a most desirable tomato for the packer and shipper. It is smooth, inclined to globe shape, of good size, an excellent shipper and bears longer than any other early tomato. We cannot recommend it too highly. (Pkt. 10c) (oz. 50c) (1/4 lb. $1.75) (lb. $5.00) postpaid.

A & M Globe This variety has become very popular with the large growers in old Mexico. They have learned that when it has turned from the green to a lighter color with just a suspicion of red it is in prime condition to ship to the farthest market with the least deterioration. It is nearly as round as a globe, produces abundantly and is a delightful table variety, almost without acidity, and is now considered the best shipper for the farthest market. (Pkt. 10c) (oz. 75c) (1/4 lb. $2.50) (lb. $7.50) postpaid.

King of the Early This variety has become very popular for early planting in Coachella and Imperial Valleys for the reason that every blossom produces a tomato, that it matures very early, is smooth, is of fair size, is of good flavor and is a good shipper. (Pkt. 10c) (oz. 50c) (1/4 lb. $1.75) (lb. $5.00) prepaid.
A & M Tomatoes—Continued

A & M Improved Stone

This is the most popular tomato in Southern California. Several thousand acres are planted to this variety exclusively for shipping to Eastern points after other tomatoes have been destroyed by frost. For this purpose the seed is planted about June 15th, and the tomato brought to full size about October 1st, after which it gradually ripens as wanted for shipping. The tomato is of good size, bright red, smooth, and enormously productive.

The canners prefer it because of its uniformly desirable size and solidity for canning. The grower prefers it because of the vigorous growth and large production extending throughout the season far into the winter months. (Pkt. 10c) (oz. 30c) (lb. $2.35) (lb. $5.00) postpaid.

A & M WILT RESISTANT STONE

This Tomato has proven less susceptible to damage by wilt than any other variety. It has been grown in fields adjoining which were tomatoes that were badly infested with wilt, that made no crop and were finally plowed under, while the A & M WILT RESISTANT grew an excellent crop and was a money maker. It retains all the good qualities of the Stone and has others we feel even better. The tomato is of good size, very solid and makes an excellent shipper. It yields as heavy as the Improved Stone, making it ideal for canning purposes. It has proven its value in Mexico. We can, therefore, recommend it for the canner, the shipper and the market gardener. (Pkt. 10c) (oz. 60c) (lb. $2.00) (lb. $5.00) postpaid.

Ponderosa

A very large, purple tomato with few seeds and of excellent flavor. Our strain is round and smooth—not the usual oblong wrinkled kind. Favorite for the home garden. (Pkt. 10c) (oz. 70c) (lb. $1.65) (lb. $5.00) postpaid.

Golden Ponderosa

A very large yellow tomato having a delicious flavor. It is ideal for salads and with a little finely sliced lemon makes excellent preserves. It yields enormously. We recommend it for the home garden. (Pkt. 10c) (oz. 70c) (lb. $1.65) (lb. $5.00) postpaid.

Earlana

The plants are quite hardy, with rather slender branches and moderate growth, well set with fruits, nearly all of which ripen very early in the season. The tomatoes are bright red and close together in clusters of five to eight; all of medium size, averaging 2½ inches in diameter. (Pkt. 10c) (oz. 50c) (lb. $1.00) (lb. $2.00) postpaid.

Chalk's Early Jewel

Excellent early tomato for home or nearby market; very prolific, red, smooth and desirable size. Its mild flavor makes it desirable as a salad. (Pkt. 10c) (oz. 40c) (lb. $1.35) (lb. $4.00) postpaid.

San Jose Canner

This variety is a favorite with canners for the sole reason of its enormous yield of large tomatoes regardless of shape. We recommend it where tonnage is desired above all else. (Pkt. 10c) (oz. 75c) (lb. $2.50) (lb. $7.50) postpaid.

Dwarf Stone

Solid. The stalk is upright with dense foliage protecting the fruit from the heat of the sun. It is desirable tomato to grow in the interior valleys. (Pkt. 10c) (oz. 50c) (lb. $1.65) (lb. $5.00) postpaid.

A & M Turnips

Culture—Turnips may be sown broadcast on damp sandy soil or in drills as beets and carrots. Drill in double rows on ridges not too thick in the row. The Purple Top Globe variety is now leading in popularity because of its mild flavor and its adaptability to our summer climate.

Purple Top Globe

Solid, very sweet, slow to get pithy. The very best variety for the summer season. Indeed the best for any season, but slower to mature than the Strap-Leaf. (Pkt. 10c) (oz. 20c) (lb. $1.00) (lb. $5.00) postpaid.

Snowball

Next to the Purple-Top Globe in popularity, but preferred by many because of its beauty and excellent flavor. It is slow to get pithy in the summer, but always crisp during the winter. (Pkt. 10c) (oz. 20c) (lb. $1.00) (lb. $5.00) postpaid.

Early Purple Top Strap-Leaf

A very popular variety for either family or market use; large size, white, purple above ground; table variety. (Pkt. 10c) (oz. 20c) (lb. $1.00) (lb. $5.00) postpaid.

Golden Ball

A rapid grower of excellent flavor; bright yellow color; good keeper and a superior table variety. (Pkt. 10c) (oz. 20c) (lb. $1.00) (lb. $5.00) postpaid.

Early White Flat Dutch

An early white-fleshed strap-leaved variety; for quick growth, mild flavor and excellent quality. (Pkt. 10c) (oz. 20c) (lb. $1.00) (lb. $5.00) postpaid.

Purple-Top Rutabaga

The best of the Swede Turnips. Very hardy and productive; flesh yellow, is very solid, sweet and well flavored. (Pkt. 10c) (oz. 20c) (lb. $1.00) (lb. $5.00) postpaid.
A & M LAWN SEEDS
For Private Lawns, Country Clubs, Golf Links and Public Parks.

The lawn is the finishing touch of the home and once planted it remains indefinitely, therefore, it is important that the proper selection of seed be made in the beginning and thus avoid disappointment. Pure seed of good germination is important and freedom from weed seed is necessary for best results. A & M lawn seeds and mixtures are cleaned thoroughly and are tested for purity and germination. When you plant A & M Lawn Grass Seed you are planting the best that the market affords. Write for Lawn Circular No. 18.

A & M VELVET LAWN GRASS

Has been used for many years throughout the Southwest with highly satisfactory results. It is a blending of grasses best suited to the variation of temperatures to which the lawn is subjected during the twelve-months period. It contains the proper proportion of the best, fine bladed grasses and white clover and when properly planted and cared for will produce a beautiful turf of bright, velvety green color. If you are having your lawn planted by a landscape gardener, insist that he use A & M VELVET LAWN GRASS. It is packed in 1 lb. cartons and in specially branded bags of 5 and 10 lbs. each. It requires 1 lb. of A & M Velvet Lawn Grass Seed to plant a space 10x20 or 200 square feet. This is the least that should be used and a heavier seeding will give quicker results. (1-lb. carton 75c) (5-lb. bag $3.50) (10-lb. bag $6.50). Postpaid.

A & M SHADY LAWN GRASS

In planting the lawn, there are often many places under trees or on the north side of the house and it is quite difficult to obtain satisfactory growth of grass in these shaded places. A & M SHADY LAWN GRASS will grow satisfactorily in the shade and will blend in with the other lawn grass. It is a special mixture of fine bladed grasses and will produce an abundant and even growth of beautiful green grass. A & M Shady Lawn Grass may also be used in parks or other places where there is considerable shade from trees. (1 lb. 75c) (5 lbs. $3.50) (10 lbs. $6.50). Postpaid.

A & M KENTUCKY BLUE GRASS

Every bag of our Kentucky Blue Grass Seed is tested for purity and germination. It is positively no guess work about it. You know when you buy A & M KENTUCKY BLUE GRASS SEED that it is high grade in every respect. (1 lb. 75c) (10 lbs. $7.00) postpaid. Write for quantity prices.

A & M WHITE CLOVER

There are many grades of White Clover Seed and A & M is always the best one. We invite comparison of samples, for when they are examined side by side it is very easy to note the difference in quality. A & M White Clover is tested for purity and germination the same as our Kentucky Blue Grass. It may be used to good advantage in reseeding Bermuda Grass Lawns in the fall of the year. (1 lb. 80c) (10 lbs. $7.50) postpaid. Write for quantity prices.

SEASIDE BENT GRASS

(Agrostis Maritima). For those desirous of cultivating a lawn from Bent Grass, there are many varieties available either for propagating from stolens or growing from seed. We do not offer stolens and we find from experience that the best variety of Bent Grass adapted to Southern California for the purpose of producing a lawn from seed is Seaside Bent Grass, which derives its name from the fact that it is grown near the sea shore in Coos County. It is an acid loving grass, requires much moisture to maintain a good sward and when growing at its best, helps to hold out the undesirable Bermuda Grass. (1 lb. $2.50) postpaid.

A & M VELVET PLANT FOOD

Used Everywhere With Best Results

Every California gardener should fully realize the necessity for fertilizing. Most growers are inclined to use too small an amount of fertilizer and particularly since it is somewhat difficult to secure barnyard fertilizer, there is too often a tendency to forget the matter entirely. This is a mistake and will often cause disappointment, not only in the lawn, but in the garden as well. A & M VELVET PLANT FOOD will give you very satisfactory results and for the new lawn it should be used at the rate of about 100 lbs. to 1,500 square feet and should be raked in before planting. This should be done several days in advance of seeding. For an established lawn broadcast evenly at the rate of 4 to 6 lbs. per 100 sq. ft. and water thoroughly immediately after applying. For roses, use about 1 to 1 lb. per bush, depending upon the size of the bush, for trees and shrubs use a larger quantity. It will be found beneficial to all plant life and the results are quick and lasting. It is odorless and well balanced for general purposes. (25 lb. sack $1.15) (50 lbs. $2.10) (100 lbs. $4.00). F. O. B. Los Angeles.
Radio Garden Talks

In addition to the many cultural directions given throughout this catalog we issue several circulars appertaining to growing conditions of various crops in California.

Another A & M service to the gardening public is the weekly talks given by our Vice-President, Mr. Fred C. McNabb.

Mr. Fred C. McNabb, pioneer radio gardener, now enters his eighth year of weekly broadcasting. We cordially invite all of you interested in gardening to listen to these talks.

Broadcasts are given from KHJ each Wednesday at 3:00 P.M., and from KMPC each Friday at 3:15 P.M.

Hints on Sowing Seeds

SOIL PREPARATION

California soils need humus. Humus is decomposing vegetable matter, and many waste materials, such as leaves, weeds, discarded garden plants, etc., may be put to good use by being buried in the garden to decay and provide humus. Humus separates the soil particles, provides a congenial home for bacteria, increases the soil's capacity for absorbing and retaining water, permits a free circulation of air and induces a more rapid and thorough absorption of the sun's rays.

SEEDS SOWN IN THE OPEN GROUND

On the Pacific Coast, where one is privileged to garden the year round, it is well to practice the sowing of seeds of many annuals in the open ground where the plants are to remain.

During the summer months, when the soil is dry, irrigate thoroughly, and after a few days spade, pulverize and rake to a level. (Through the fall and early spring there is usually sufficient moisture in the soil from rains making it generally unnecessary to irrigate before spading.)

Open a shallow furrow, sow the seeds, cover immediately and firm the soil to the seeds with the back of the rake. Level the surface by raking, leaving a loose mulch on top. Avoid sprinkling, for this would form a crust, which would exclude the air and make it very difficult for the tiny plants to break through the surface. The thorough irrigation before spading should provide plentiful moisture to germinate the seeds without additional water being applied. If sowings are made when the weather is very warm it is a good plan to cover the rows with strips of burlap until the seeds sprout. After the plants are up, they may be sprinkled or irrigated, following each irrigation with surface cultivation to break the crust that may form.

When the plants are sufficiently developed, thin to a distance between plants that will give room for those remaining to develop well. The thinning process may continue for some time, removing each alternate plant at frequent intervals. Those plants removed from the row may be transplanted to other parts of the garden, if desired, or delight the heart of a neighbor or friend. In removing the plants, take sufficient soil with each one so as to disturb the roots as little as possible.

Some of the seeds that are best sown in the open ground where plants are to remain include all poppies, larkspurs, sweet peas, lilies, African Lilac-Daisy, Zinnias, Salpiglossis which, by the way, is most difficult to transplant, but may be easily grown out in the open ground; Calendula, Annual Phlox, Oenothera or Evening Scented Primrose, Cosmos, Scarlet Flax, Godetia, Lupin and others.

GERMINATING SMALL SEEDS

Most small flower seeds are more easily germinated when sown in small flats or seed beds. A good rule to follow is to cover the seeds to a depth of about twice the breadth of the seed itself. The covering should be a light material such as screened leaf mold, peat humus, or something similar.

A flat (about 20 inches square by 3 1/2 to 4 inches deep) may be filled with loamy soil. Firm the soil with a brick or block of wood, leaving a smooth, level surface. Broadcast the seed and press into the soil. Cover as suggested above. Fold a moist burlap sack over the flat and place it on the top of the seedbed. This will hold the soil, seed and mulch in place, and prevent washing. Apply water slowly until the seed bed is thoroughly soaked. Place the flat in the shade during the summer months, and in the winter months, lift the burlap sack occasionally and at the first sign of germination, remove it. Keep the flat in the shade until all seeds have germinated, then gradually give them sunlight to harden them. Transplant to the open ground when the plants are sufficiently large.

Use a sharp knife when transplanting the seedlings.
Classification of Flower Seeds for Special Purposes

This page is intended to aid you in the selection of your seeds that you may have flowers all the year round, and for every purpose.

FLOWERING ANNUALS, ALSO SOME PERENNIALS WHICH FLOWER FIRST SEASON FROM SEED

Varieties Marked * Are Best for Beds and Masses

Achillea Daisy
Agatha Dahlia
Anchusa Delphinium
Aconitum Digitalis
Aquilegia Foxglove
Begonia For-Get-Me-Not
Bells Freesia
Biden Gaillardia
Canterbury Geranium
Bells Gerbera
Campanula Geum
Canna Gypsophila
Carnation Helichrysum
Centaurea Hollyhock
Candidissima Hunnemania
Coreopsis

FOR SHADY PLACES

Anemone Bells
Antirrhinum Clara
Aquilegia
Begonia (Tuberous)

FOR CUT FLOWERS

Acrionium Calliopsis
Antirrhinum Celosia
Aquilegia Centaurea
Asters Chrysanthemum
Candytuft Coreopsis
Carnation Cosmos
Arctotis Daisies
Bartonia Delphinium
Brachycome Dianthus
Calendula Gaillardia

ORNAMENTAL AND FOLIAGE PLANTS

Amaranthus Centaurea
Canna Candidissima
Coratium

A & M PLANTING CALENDAR—See inside back cover.
AGGELER & MUSSER SEED CO.
Los Angeles, California

A & M SELECT
CALIFORNIA FLOWER SEEDS
SUPREME IN ALL CLIMES

It is now quite generally known that California is the largest flower seed producing section in North America and that thousands of acres of California land are producing flower seeds to be shipped to all parts of the world. Being in the midst of this production, where we enjoy the privilege of frequent inspections of our own growing crops as well as those of other growers, we have a decided advantage in flower seed selection that enables us to offer our customers the very finest strains of all varieties. A & M California Flower Seeds may be planted in any climate with gratifying results. For the home gardener or the commercial grower they are unexcelled.

ABRONIA (Sand Verbena)
A hardy annual, trailing in habit, about nine inches high, bearing ver¬bena-like clusters of flowers which are very fragrant. A native of California. Thrives in dry situations, and is valuable for rock work or hanging bas¬kets. Umbellata—Rosy lilac. Pkt. 10c.

ABUTILON
Maximum Giant Flowered Mixed (Flowering Maple) — Perennial. Seeds grow readily if started in February or March and will bloom in fall. Various shades of pink and red. 3 ft. tall. Pkt. 25c.

ACHIMENES
Finest Mixed—Flowers are similar to Gloxinias. They cover a wide range of attractive colors and bloom profusely. Suitable for hanging baskets and pots. Pkt. 35c.

ACONITUM — Soil manager—flowers a reddish rose. Thrives in full sun. 12-18 inches tall. Pkt. 10c, 1/4 oz. 25c.

ACROCLINIUM
Hardy annual everlasting flowers, white and self pink with golden centers. Should be cut the first day they open. Double Rosea—Bright pink. Pkt. 10c. Double Mixed—Pink and white. Pkt. 10c.

ADONIS
Aestivales (Pheasant Eye)—Annual. 12 inches. Flowers crimson. Slow germinating and should be sown in fall or early spring. Does best in light soil and in full sun or partial shade. Pkt. 10c.

ALYSSUM
A fragrant hardy annual having the odor of honey and bearing spikes of small white flowers in great profusion throughout the winter, spring and summer. Without a doubt the best white border plant, is also useful for beds and baskets and will begin to bloom when quite small. Carpet of Snow—Very compact, growing about three inches high, one plant often having a diameter of 15 inches. Pkt. 10c. 1/4 oz. 25c.


AMARANTHUS
Hardy annuals, grown especially for their brilliant foliage. Caudatus (Love Lies Bleeding)—Light yellowish-green foliage; long, drooping crimson flower spikes. Plants grow three feet high. Pkt. 10c, 1/4 oz. 35c.

AMPELOPSIS
Quinquefolia (Virginia Creeper) — A very popular climber. Hardy perennial. Seed may be sown any time of the year. During the summer the foliage is green, changing to various shades of bronze red during the fall. Pkt. 10c.

ANCHUSA ITALICA
Dropmore Variety—One of the best hardy perennials, growing 3 to 5 ft. high, and having long loose sprays of lovely forget-me-not-like flowers of a rich pen¬tian blue. Is very free flowering, bloom¬ing over a long season. Pkt. 10c.

Blue Bird—Vivid indigo blue. Annual. 2 feet. Pkt. 25c.

CAPENSIS (Summer Forget-Me-Not) — Very free growing biennial. Azure blue, 2 feet. Pkt. 10c.
ANEMONE (Windflower)

Giant French Single Mixed—This lovely flower may be grown from seeds as well as bulbs. Our seed has been saved from an extra fine strain and contains a very choice mixture of colors. The seed may be sown in the fall or spring in seed bed or flats. We suggest that the seed be covered lightly with sand, then spread a thin cloth over the bed and water through this. The plants form bulbs which should be given the culture as recommended in our bulb catalog. Pkt. 25c.

ARABIS (Rock Cress)

Alpina—6 to 12 in. Hardy perennial requiring sun and poor soil. Excellent rock garden and border plant. Myriads of fine white flowers. Pkt. 10c.

ARMERIA

Formosa—Fine plant for permanent border or rock garden and does well on the sea coast. Flowers rose pink. Height about 3 in. Pkt. 10c.

ASCLEPIAS

Tuberosa (Butterfly Weed or Pleurisy Root) — Perennial producing brilliant orange flowers. 2-3 feet high. Pkt. 15c.

ASPARAGUS FERN

Pleasant—a tender perennial for green-house or potted plant use, with long, fine, feathery foliage. The sprays when cut, retain their freshness in water for three to four weeks. Seeds start slowly and should be soaked in water before sowing. Pkt. 10c. 100 seeds 50c.

AUBRIETIA

Leichtlinii—Showy trailing perennial for borders or rock gardens. Profuse bloomer; carmine rose flowers. 6 inch. Pkt. 25c.

AUBRIETIA

Bougainvillei—Dark blue. 6 in. Pkt. 25c.

Large Flowered Hybrids Mixed—An excellent strain producing a wide range of rare colors. 6 in. Pkt. 25c.

AUSTRALIAN PEA VINE (Dolichos Lignosus)

A rapid growing evergreen climbing perennial, flowering freely in large clusters of rose flowers. For covering arbors, trellises, etc., they have no superior. Pkt. 10c, 1/2 oz. 50c.

Your seeds are the best I can get anywhere and I am always pleased with the results. My neighbors are always so envious of my flowers.—Mrs. E. M. Austin, Exeter.
A & M SNAPDRAGONS
(Antirrhinum)

A & M California Snapdragons are the finest strain obtainable. Our fields of these are most beautiful at blooming time and are much admired by all who see them.

Snapdragons are easily grown from seed and may be sown in flats or open ground from August to January in Southern California. They may be had in a great variety of separate colors or the mixed may be planted for a brilliant array of color.

Tall Maximum
Improvement in these favorite flowers that hark to the days of long ago has really been phenomenal. Retaining the merit of their original form, they have received at the hands of the hybridizers a complete glorification. They are now larger, better and more colorful. Height 4 feet. Greatly in demand for cut flowers.

Apple Blossom—Rosy pink, yellow lip
Carnation Bird—Canary yellow, golden center
Cattleya—Rosy lilac
Copper King—Copper scarlet
Diamond—Yellow, lilac throat
Golden Queen—Deep yellow
Indian Summer—Velvety copper
Jennie Schneider—Rose pink
Maralda—Copper carmine, yellow center
Old Gold—Deep golden yellow
Purple King—Deep purple
Rock’s White—Finest White
Ruby—Velvety red
SnowFlake—White, yellow tube
The Rose—Rose pink
Wallflower—Brownish orange

The above separate colors $0.25 per oz.
Collection 28c—One packet each of seven separate colors $1.50.

Tall Large Flowering
This type grows about 3 feet tall, the flowers are large and the flower spikes long. Splendid for cutting and tall borders.

Rose Queen—A delicate silver pink
Coral Rose—Deep coral
Garnet (Othello)—A velvety deep red
Empress—Deep crimson
Defiance—Scarlet—A velvety bright red
Golden King—Golden yellow
Orange Shaded Scarlet
Golden Yellow—Deep yellow
Pink Perfection—Pink suffused salmon
Prima Donna—Shrimp pink, yellow throat
Purity—Pure white
Rosy Lavender
Silver Pink—Delicate pink

The above separate colors $0.25 per oz.
Semi Dwarf mixed

BALSAM (Touch-Me-Not)
A tender annual, with brittle stems and foliage. Flowers both single and double, in bright colors and variations are wax-like and very attractive. The individual blossoms floating in a dish of water exhibit their beauty to the best advantage.

Improved Double Camelia Flowered—In its extraordinary size, perfect form and brilliant colors, this fine strain of balsam surpasses all others. Height 18 inches. Pkt. 15c.
Rose Flowered—Handsome double flowers in form resembling a rose. Height 18 inches, fine mixed. Pkt. 10c.
Spotted—Large semi-double flowers well adapted for borders, fine mixed colors. Pkt. 10c.

BALSAM APPLE (Momordica)
A climbing annual growing about 15-20 ft. long. Has graceful and ornamental foliage, yellow flowers and warty golden yellow fruit, with large carmine red seeds. Thrives in hot locations. Pkt. 10c, oz. 75c.
A & M CALIFORNIA ASTERS

A popular half-hardy annual produced in a great variety of classes, and an almost endless number of colors. The tallest grow about three feet high, and some varieties of dwarfs are not over eight inches high. The best method of culture is to sow the seed during the spring in boxes and transplant when large enough to handle. The seed can be sown, however, in the row where the plants are to remain, thinning them from 6 to 20 inches apart, according to variety. A & M California Asters are the finest strains and are used extensively by home gardeners and florists throughout the country. We call particular attention to A & M California Giants and A & M American Beauty. These are highly satisfactory wherever they are grown.

A & M CALIFORNIA GIANT ASTERS

A new and most worthy Aster for home gardener or florists. The delicately curled and interlaced petals form large fluffy flowers that are most beautiful. They are produced on long, willowy stems with fine foliage, but few or no side branches, which makes it possible to have large flowers without having to disbud. A & M California Giants are one of our best cutting varieties, their long stems making them particularly desirable for the commercial grower or home gardener.

GIANT PAEONY FLOWERED ASTERS

(Late Flowering)

An improved American Beauty type. The flowers are of immense size, very double and are borne on long stems, free from laterals. Keeps well after cutting. Azure Fairy—Clear azure blue. Pkt. 35c
Maiden’s Blush—Delicate flesh. Pkt. 35c
Swansdown—Pure white. Pkt. 35c

OSTRICH FEATHERED ASTERS

(Mid-Season Flowering)

Extremely graceful Aster, with large, loose, feathery heads, unrivaled for table decoration, flowers double and semi-double. The branching habit makes this a conspicuous border plant. Height 18 inches. Crimson—Pkt. 10c
Light Blue—Pkt. 10c
Light Purple—Pkt. 10c
Peach Blossom—Pkt. 10c
Pkt. 10c
Deep Rose—Rich dark rose. Pkt. 10c
White—Pure white. Pkt. 10c
A & M Mixed. Pkt. 10c

COLLECTION 5F—One packet each of the above named six new Asters in separate colors, six packets, $1.20.

KING ASTERS

The flowers of this class of Asters are large and double. The petals are quilled, making them distinct from all others and the plants are of upright habit, growing to a height of from 1½ to 2 feet. The stems are long and willowy, making the variety excellent for cutting purposes.

White
Pkt. 10c
Rich dark rose. Pkt. 10c

Collect. 4F—One packet each of the above named seven varieties 60c postpaid.

ROYAL ASTERS

(Early Flowering)

These are dwarf branching Asters about 1½ feet high. The flowers are well formed and very desirable.

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(Early Flowering)

These are dwarf branching Asters about 1½ feet high. The flowers are well formed and very desirable.

QUEEN OF THE MARKET

(Early Flowering)

One of the earliest blooming varieties blossoming frequently in July. Of spreading habit about 18 inches high. Flowers are medium sized and the petals curve outward. One of the most useful types for early market purposes.

A & M California Giant Aster

The Asters have been wonderful in spite of the hot weather—lovely colors. I planted your seeds last March and am well pleased with them—have fine luck with your seeds. Mrs. R. K., La Crescenta, Calif.

CALIFORNIA SUNSHINE ASTERS

(Mid-Season Flowering)

This new selection of Sunshine Asters is far superior to the old type. The petals are twisted and quilled and surround a central cluster of florets which are of a contrasting pale color. On account of the extra long stems it makes a fine cut variety. This type of Aster is not yet fully established and will be found to vary in color and form established.
**AMERICAN BEAUTY ASTERS**

(Early Flowering)

This newest type has been developed from the late flowering American Beauty and has all of the characteristics, except that it is much earlier flowering. This makes possible a long flowering season for this splendid variety.

<table>
<thead>
<tr>
<th>Variety</th>
<th>Per 1/4 Oz.</th>
<th>Per Pkt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Early Azure Fairy</td>
<td>$ .85</td>
<td>$ .25</td>
</tr>
<tr>
<td>Early September Beauty</td>
<td>$ .85</td>
<td>$ .25</td>
</tr>
<tr>
<td>Early Rose</td>
<td>$ .85</td>
<td>$ .25</td>
</tr>
<tr>
<td>Early Crimson</td>
<td>$ .85</td>
<td>$ .25</td>
</tr>
<tr>
<td>Early Peach Blossom</td>
<td>$ .85</td>
<td>$ .25</td>
</tr>
<tr>
<td>Early Carmine Rose</td>
<td>$ .85</td>
<td>$ .25</td>
</tr>
<tr>
<td>Early Purple</td>
<td>$ .85</td>
<td>$ .25</td>
</tr>
<tr>
<td>Early Black Prince</td>
<td>$ .85</td>
<td>$ .25</td>
</tr>
<tr>
<td>Early White</td>
<td>$ .85</td>
<td>$ .25</td>
</tr>
<tr>
<td>Early Finest Mixed</td>
<td>$ .80</td>
<td>$ .25</td>
</tr>
</tbody>
</table>

**AMERICAN BEAUTY ASTERS**

(Late Flowering)

This wonderful variety is a recent addition to the popular aster family. It is without doubt one of the grandest. The flowers have in-curved petals and are large and full, often measuring 4 inches across. The plants are of branching habit and the flower stems measure from 15 to 30 inches. The flowers have splendid keeping qualities. We heartily recommend this variety as one which you will be proud to have in your garden. We have a complete list of colors.

<table>
<thead>
<tr>
<th>Variety</th>
<th>Per 1/4 Oz.</th>
<th>Per Pkt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Azure Fairy</td>
<td>$ .80</td>
<td>$ .25</td>
</tr>
<tr>
<td>Peach Blossom</td>
<td>$ .80</td>
<td>$ .25</td>
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<tr>
<td>Carmine Rose</td>
<td>$ .80</td>
<td>$ .25</td>
</tr>
<tr>
<td>Crimson</td>
<td>$ .80</td>
<td>$ .25</td>
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<tr>
<td>September Beauty</td>
<td>$ .80</td>
<td>$ .25</td>
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<tr>
<td>Purple</td>
<td>$ .80</td>
<td>$ .25</td>
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<tr>
<td>White Beauty</td>
<td>$ .80</td>
<td>$ .25</td>
</tr>
<tr>
<td>A &amp; M Mixed</td>
<td>$ .75</td>
<td>$ .25</td>
</tr>
</tbody>
</table>

Collection 2-F—One packet each of the above eight named varieties, $1.65 postpaid.

**AMERICAN BRANCHING**

(Late Flowering)

An excellent variety, the plants are 2½ to 3 feet high and have a branching and vigorous growth. The flowers are well formed, being large, double and incurved.

<table>
<thead>
<tr>
<th>Variety</th>
<th>Pkt. 10c</th>
<th>1/4 oz. 50c</th>
<th>Mixed, Pkt. 10c, 1/4 oz. 50c.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lavender</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Purple</td>
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<td></td>
<td></td>
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<tr>
<td>Peerless Pink</td>
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<td></td>
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<tr>
<td>Peach Blossom</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Sensation Scarlet</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Separate Colors</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Collection No. 3F—One packet each of the above ten named varieties 80c postpaid.

**VARIABLE ASTERS**

Giant Comet Salmon Queen—Early variety of upright habit, about 2 feet high. The flowers are medium sized and full petalled. Pkt. 25c.

Giant Comet Mixed—Pkt. 10c, 1/4 oz. 50c.

Pom Pon Mixed—Bushy plants about 15 inches high bearing masses of blooms. Suitable for borders, beds and for pot culture. Pkt. 10c, 1/4 oz. 50c.

Aurora—This aster is quite different from others. The center of the flower is bright yellow with an outer circle of delicate blue. Height 2 feet. Pkt. 25c.

Peerless Yellow—Pale yellow aster of the American Branching type. Height 2 feet. Pkt. 25c.

Heart of France—A rich dark red. The richest, most striking color and not to be found in any other aster. The plants grow about 2 feet high and are of a branching habit. Pkt. 25c, 1/4 oz. 80c.

**ASTER COLLECTION NO. 6F**

To encourage you to get acquainted with the several fine varieties of A & M Asters we offer a collection of one packet each A & M American Beauty Purple, A & M California Giant Rose, Paeony-Flowered Swansdown and Aurora. Four packets in all of choice colors, 85c postpaid.

**PERENNIAL ASTER**

(Michaelmas Daisy)

Single, hardy perennial plant growing to a height of 3 ft. Blooms in the fall and will flower the first year if sown early in the Spring. Mixed, Pkt. 15c.
We are sole distributors of Begonia Seed from the world famous Rosecroft Begonia Gardens where the finest strains in existence are grown. Seed of the Tuberous class should be planted early in the year for best results. Other sorts can be sown at any time. Begonias generally require half shade and no wind. They also prefer a moist atmosphere and acid soil. Plants in pots should have the pots plunged in the ground or protected in some manner to keep them cool and moist. Full planting instructions are printed on each packet of seed.

Various Begonias

Rubra Type (Fibrous rooted)—Various known as Bamboo and Angel Wine. Their tall growth resembles a bamboo and the blooms are produced in superb large clusters. Mixed colors. Pkt. $1.00.

Small Leaved Varieties Mixed—Mixture includes many of the small leaved varieties including Fuchsioiadea. Pkt. $1.00.

Semi Tuberous Group Mixed—Splendid mixture for pots and baskets. Pkt. $1.00.

Sutherlandi — Native of Natal with red stems and orange blooms. Low growing branching type and semi tuberous. Pkt. $2.00.

Vitaflora—Large heart-shaped tinted pink flowers in clusters. Upright growers and very attractive. Pkt. $2.00.

Scotch Luxurians—Spreading plant with great profusion of white blooms in clusters. Excellent for filling under tall growers. Pkt. $2.00.

Fuchsioiadea—Tall form with fuchsia-like blooms of transparent scarlet. Always in flower and hardy. Pkt. $2.00.

Incarnata—Upright intermediate growth with long pointed green foliage and pink flowers in clusters. Winter bloomer. Pkt. $2.00.

Various Bedding Type

These are low growing, many-flowered sorts used widely for outdoor bedding.

Seashell—Taller than most. White margined pink. Pkt. $1.00.

Taggart—White with orange scarlet edge. Pkt. $1.00.

Helen Bofinger—Dwarfed form of Seashell. Pkt. $1.00.

Mermaid—A dwarfed form of Seashell. Pkt. $1.00.

Rosabell—Beautiful mellow pink; large blooms. Pkt. $1.00.

Schmidli—Flowers are pendant and tinted. Pkt. $1.00.

Double Vernam—Charming duplex in mixed colors. Pkt. $2.00.

Mixed Bedding Type—A fine selection. Pkt. $1.00.

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Standard Begonia Seed

Very attractive flower for both pot and bedding use, and should be more extensively grown for shady borders. Perennial. Semperflores Mixed. Pkt. 25c.

Gracilis Luminosa—Large bright, scarlet flowers. Foliage reddish brown. Pkt. 25c.
BALLOON VINE
Climbing annual, with small flowers. The seed pods are curiously swelled or puffed and are quite attractive. Pkt. 10c.

BARTONIA AUREA
A showy California annual. Lovely large golden yellow flowers which glisten like satin in the sunshine. height 2 ft. Although a perennial, will bloom the first year if seed is sown in February. Especially good for cutting and bedding. Pkt. 10c.

A & M DOUBLE DAISY
(Bellis Perennis)
A hardy perennial, blossoming freely all spring and summer. Plant is about four inches high and is valuable for borders. Extra Double Red—Pkt. 15c. Extra Double Pink—Pkt. 15c. Double Mixed—Pkt. 10c.

BIDENS DAHLIOIDES
Flowers are of a pleasing light pink, fashioned after the single cosmos. Height about 2 feet, making them very desirable for borders. Enriches the garden border and is useful for hanging baskets and pot culture. Pkt. 15c.

BRACHYCOME IBERDIFOLIA
(Swan River Daisy)
A charming annual deserving greater popularity. The plants, which grow about 10 inches high, are covered with Cineria-like blooms in shades of blue and lavender. Mixed—Pkt. 10c.

BOLTONIA
(False Chamomile)
Highly desirable hardy perennial for borders growing 4-6 feet tall and bearing countless daisy-like or star-like flowers over a long period in the summer. Tithiaquata—Lilac pink Pkt. 15c. Asteroides—White Pkt. 15c.

BROWALLIA
Elata Blue—A rich blue flowering annual which stands considerable cold weather and blooms as well in the winter as in the summer. Seed may be sown any time and it grows equally well in shade or sun. Good rock plant. 18 in. Pkt. 15c. Speciosa Major—Exquisite coloring of shining ultramarine blue. Enriches the garden border and is useful for hanging baskets and pot culture. Pkt. 15c.

CANDYTUFT UMBELLATA
This charming annual should be freely planted in all gardens for display or for cutting purposes. The flowers are borne in umbels and when the plant is in full bloom it is indeed beautiful. Beds or borders of solid colors are most attractive and we suggest solid colored varieties for that purpose. Seed germinates in 5 to 10 days and it may be started in beds or flats and transplanted when several leaves are formed.

White Pkt. 10c, oz. 40c. Pink Pkt. 10c, oz. 40c. Crimson Pkt. 10c, oz. 40c. Flesh Pink Pkt. 10c, oz. 40c. Lavender Pkt. 10c, oz. 40c. Rose Cardinal Pkt. 10c, oz. 60c. Collection 8F—One packet each of the above separate colors 50 cents. A & M Umbellata Mixed Pkt. 10c, oz. 30c. Umbellata Hybrida Nana—Similar to above except that plants are more dwarf and compact. Excellent for borders. Mixed, Pkt. 15c, oz. 40c. Giant White Hyacinth Flowered—A giant Candytuft bearing immense snowy white spikes, which often measure 10 inches or more. Don't fail to give this a trial. Pkt. 10c, oz. 45c.

Perennial Candytuft (Iberis)
Gibraltarica—Plants of dwarf compact habit, growing about 6 inches high. Flowers lilac. Valuable for rock gardens and borders. Pkt. 10c.

A & M CALENDULA
Very hardy annual, one foot high, blooming freely practically the whole year round. It is one of the easiest culture and is desirable for rather inferior soils, where less sturdy flowers do not thrive. Calendulas make one of our finest winter flowers. A hard frost will not hurt them. In fact, the flowers are larger and finer during the winter and spring months.

CALCEOLARIA
Although usually grown in greenhouses and lathhouses, Calceolarias may be grown outdoors in Southern California and produce a wonderful effect from May to November. The flowers are small, pocket shaped, beautifully tigered or spotted and are borne in great profusion. For best results the seed should be sown in a hot bed or frame during the winter for spring planting out.

Grandiflora Tall Tigered Mixed Pkt. 50c
Grandiflora Dwarf Tigered Mixed Pkt. 50c

CELOSIA PLUMOSA (Feathered Cockscomb)
Plumosa Mixed—A very fine selection of the popular feathered Celosia containing many pleasing shades of color varying from pale yellow to the deepest crimson. Pkt. 10c.

CELOSIA CRISTATA (Cockscomb)
Very ornamental and strong plants, producing magnificent combs of velvets looking powers. They succeed well in the garden and make very attractive pot plants. Sow seed in the spring only, for they are very tender and will stand no frost.

Dwarf Mixed—A mixture of rich velvety colors. Height 10 inches. Pkt. 10c.
Tall Crimson—Brilliant crimson combs borne on stems about 2 feet tall. Pkt. 10c.
Tall Mixed—Contains shades of crimson and yellow. Height 2 feet. Pkt. 10c.

CELOSIA CHILDSSII (Woolflower)
As the name suggests, the flower resembles huge balls of wool. When cut, if it is hung head down until dry, makes a beautiful everlasting flower. Height 10 inches. Mixed. Pkt. 15c.

CELOSIA CHRYSANTHEFLORA
This is a new variety of Celosia obtained by crossing different species. The heads are very full and large and may be cut and dried as an everlasting flower. They are much admired for their velvety appearance and varied colors. Pkt. 25c.

CALIFORNIA WINDBREAK
Lavatera Assurgentiflora—This perennial shrub is easily grown from seed, is very drought resistant and makes one of the quickest and best windbreaks known in California. Is used extensively as a windbreak for vegetable gardens and chicken ranches. The first year from seed it will grow to a height of at least 6 feet and flower, the flowers being an attractive shade of red (10c per pkt.) (50c per oz.) (½ lb. $1.75).

CALIFORNIA WINDBREAK
Lavatera Assurgentiflora—This perennial shrub is easily grown from seed, is very drought resistant and makes one of the quickest and best windbreaks known in California. Is used extensively as a windbreak for vegetable gardens and chicken ranches. The first year from seed it will grow to a height of at least 6 feet and flower, the flowers being an attractive shade of red (10c per pkt.) (50c per oz.) (½ lb. $1.75).

CAROLINA CAMELLIA
Engelman’s Gold Medal Carnation
“Gorgeous” is what people say of my beds of A & M Petunias—Giants of California. They certainly are wonderful.
—Mrs. H. L. A., Oakdale, Calif.

CARNATION
Our strain of these popular flowers is unsurpassable in beauty and variety of coloring; also in their delightful fragrance. Seed should be sown in pots or boxes and when 2 to 3 inches high, may be transplanted to the open bed or border, giving shade until the young plants have become established. Sow any time between March and September. Carnations should never be sprinkled for the flowers and buds will be ruined and turn brown.

Engelman’s Gold Medal Carnation
Splendid new strain of Perpetual Carnation, containing many unusual colors. Flowers are large and of good form. Finest Mixed, Pkt. 25c.

Chabaud’s Everblooming Carnations
Sparkler—Bright red Pkt. 25c Jeanie Doria—White Pkt. 25c
Pearl—Silver light pink Pkt. 25c Marie Chabaud—Lt. Yellow Pkt. 25c
Nero—Deep red Pkt. 25c Giant—Deep rose Pkt. 25c
Legion of Honor—Salmon Pkt. 25c Chabaud’s Fine Mixed Pkt. 15c
Marguerite, Mixed Colors—This assortment gives a large percentage of fine double flowers. Pkt. 10c, ¼ oz. 50c.

A & M CANTERBURY BELLS
Campanula Medium—A hardy biennial, blooming the second year from seed, or the first if sown early. Grows about three feet high.

A & M Canterbury Bells—Single

CATANANCHE
Coerulea—Pretty deep blue flowering perennial of the Daisy order, growing 2-3 feet high. Very useful for cutting. Pkt. 10c.
CANARY BIRD FLOWER
*(Tropaeolum Canariense)*
A tender, climbing annual of the nasturtium family. Blossoms have curiously winged petals and are light yellow. Pkt. 10c.

CARDINAL CLIMBER
A new annual climber of great merit, bearing a mass of small crimson flowers. Height 10 to 15 feet. Pkt. 15c.

CHEIRANTHUS *Allioni*—Perennial bearing gorgeous orange flowers. Height 12-16 inches. Charming in borders and rock gardens. Pkt. 10c.

*Linifolium*—Biennial. Forms compact plant about 9 inches high, suitable for rockeries and small beds. Bright mauve flowers. Pkt. 25c.

CENTAUREA AMERICANA

CENTAUREA CANDIDISSIMA
True Dusty Miller—Broad silvery white foliage; useful for edging. Height 12 in. Pkt. 10c.

CENTAUREA IMPERIALIS
*(Royal Sweet Sultan)*
This is the variety so popular in the florist's store. The plants are of spreading habit and one plant has been known to keep a home replenished with cut flowers during the entire summer. Height 3 to 4 feet. A hardy annual.

Amaranth Red Pkt. 10c, 1/2 oz. 30c
Lavender Pkt. 10c, 1/2 oz. 30c
Purple Pkt. 10c, 1/2 oz. 30c
White Pkt. 10c, 1/2 oz. 30c
Collection No. 14-F—One packet each of the above separate colors, 35c.
A & M Mixed Colors—Pkt. 10c, 1/2 oz. 25c.

Suaveolens Yellow—Similar to Imperialis but producing yellow flowers. Pkt. 10c, 1/2 oz. 25c.

CENTAUREA CYANUS *(Corn Flower or Bachelor's Button)*
This old fashioned hardy annual is still a great favorite for cutting purposes. The deep rich blue is the most popular. The mixture contains shades of pink, white, lavender and blue. Height 2 to 3 feet.

Double White—This variety is absolutely pure white and is very double. Pkt. 10c.

Double Blue—A pleasing shade of blue. Pkt. 10c, 1/2 oz. 35c.
Double Pink—Bright Pink. Pkt. 10c.
Double Mixed—Pkt. 10c, oz. 40c.

CLARKIA
A hardy annual of easy culture, growing about 18 inches high and flowering in great profusion. Native of California. Seed sown in the fall will give early blossoms in the spring. Seed may also be sown in the spring and summer. Will grow in shade or sun.

Double Brilliant—Bright pink. Pkt. 10c.
Double Chamois—Pink suffused with cream. Pkt. 10c.
Double Salmon Queen—Pkt. 10c.
Double Scarlet—Pkt. 10c.
Double Mixed—Pkt. 10c.

CLEMATIS
A very fine hardy climber; leaves are bright and glossy green; flowers small and hawthorne scented, and just covering the plant when in bloom. Excellent for covering trellises or fences. *Paniculata*—White. Pkt. 10c.

CLEOME *(Spider Flower)*
*Pungens Rose Queen*—Very showy annual attaining a height of 4-5 feet producing fantastic flowers of bright rose. Easily grown and good for bees. Pkt. 10c.

CLIANTHUS DAMPIERI
Shrub-like perennial plant producing clusters of bright red flowers with black spot. Pkt. 25c.

COIX LACHRYMAE *("Job's Tears")*
Curious ornamental grass with broad corn-like leaves and seeds of a light slate color. Valuable for winter bouquets with everlasting flowers. Strings of handsome beads are made from the seeds. Hardy annual; three feet high. Pkt. 10c, oz. 30c.
CINERARIA

For shaded situations such as the north side of the house, under palms, trees, etc., the Cineraria is ideal. It is best treated as an annual and under favorable conditions, if the seed pods are left to mature, it will reseed itself. In Southern California seed should be sown in flats July to November. Soil in the flats should consist of one part loam, one part leaf mold and one part sand. Set the flats in a cool shaded place such as north side of a building and keep well watered. 8 to 10 days are required for germination.

A & M Semi Dwarf—This is an extraordinary strain selected for large flowers, uniform height of plants and the most attractive colors. They may be used as pot plants or for bedding purposes and we especially recommend them to those who want the very finest strain. Pkt. 75c.

Hybrid Large Flowering Dwarf—A large flowering dwarf strain, having brilliant colored flowers and is especially good for outdoor bedding. Pkt. 25c.

COBAEA SCANDENS (Cup and Saucer Vine)

A perennial climber of rapid growth; very valuable for cover¬nings, also as pot plants or for bedding purposes and we especially want to make a branching plant. They are very large flowering and excellent for garden show or for cutting.

A very beautiful new sort with a densely double or crested center. They are admired by all who see them. About 75% of the plants will produce the crested flowers—the remainder will be large single flowers.

Early Crested Pink—Pkt. 25c Early Crested White—Pkt. 25c Early Crested Crimson—Pkt. 25c Early Crested Mixed—Pkt. 25c

Late Crested—These ornamental foliage plants are very popular for growing in protected borders or for pot culture. They are tender perennials but make a satisfactory growth from seed the first year. A very interesting plant to grow from seed, for many new and fine color combinations are obtained in this way.

Extra Choice Mixed—Pkt. 25c.
Choice Mixed—Pkt. 15c.
Lacinated and Fringed Mixed—Pkt. 25c.

COLLINSIA

Bi-color—Extremely effective hardy annual for spring or autumn sowing. Grows 12 inches high and is excellent for growing in clumps. Flowers like and white bi-color. Pkt. 10c.

COREOPSIS (Lanceolata Grandiflora)

This is a hardy perennial bearing a profuse and long continued succession of large, bold, golden yellow flowers during the spring and summer months. It is a splendid cut flower, the stems are long and the flowers keep well in water. Seed sown in the early spring will flower the same season. Seed may also be sown in the fall. Height 2½ feet. Pkt. 10c.

CYCLAMEN

A tender, bulbous perennial, used in greenhouses and window gardens. It is easily grown from seed. Sow in the fall or early spring. A & M Choice Mixed. Pkt. 35c.

CYNOGLOSSUM

Amabile (Chinese Forget-me-not)—A biennial 18 in. high, producing beautiful flowers. Much appreciated in dwarf borders, also as cut flowers. Pkt. 10c.

COSMOS

A garden favorite producing an array of large artistic flowers in pink, white and crimson shades. The Early Crimson varieties may be sown from early spring to late fall and they will bloom within 60 to 75 days after planting.

The late varieties are autumn flowering and should be planted in late spring or during the summer. Sow seed in the open ground where plants are to remain, or they may be transplanted from seed bed or flats. When plants are about 10 or 12 inches high the tops should be pinched out to make a branching plant.

Early Giant—Sow the seeds of these in the early spring to late spring and early summer. They are very large flowering and excellent for garden show or for cutting:

Pink —— Pkt. 10c, ¼ Oz. 25c White —— Pkt. 10c, ¼ Oz. 25c
Crimson —— Pkt. 10c, ¼ Oz. 25c Mixed —— Pkt. 10c, ¼ Oz. 20c

Late Giant—These are autumn flowering. Sow the seeds during late spring and summer.

Pink —— Pkt. 10c, ¼ Oz. 20c White —— Pkt. 10c, ¼ Oz. 20c
Crimson —— Pkt. 10c, ¼ Oz. 20c Mixed —— Pkt. 10c, ¼ Oz. 25c

Early Crested—A very beautiful new sort with a densely double or crested center. They are admired by all who see them. About 75% of the plants will produce the crested flowers—the remainder will be large single flowers.

Early Crested Pink—Pkt. 25c Early Crested White—Pkt. 25c
Early Crested Crimson—Pkt. 25c Early Crested Mixed—Pkt. 25c

Late Crested—The large crested flowers produced abundantly on plants equal in size to the late Giant, present a most striking appearance. Mixed. Pkt. 25c.

Klondike Cosmos—A handsome variety for late autumn blooming. Flowers are brilliant orange yellow and very large. The foliage is quite different from other Cosmos, being rather lacy and dense. It requires a long growing season, so must be planted during spring and early summer. Pkt. 25c, ¼ Oz. 65c.
A & M DELPHINIUM
(Perennial Larkspur)

One of the finest garden flowers and becoming increasingly popular for both for garden show and for cutting. Seeds sown in beds or flats during August, September, October and November will bloom the following spring. Cover the seed lightly and shade the seed bed during August and September. The first transplanting may be made when plants are sufficiently large, spacing them about 6 inches apart. After this have bloomed the first time select the most desirable plants and transplant them to a permanent place in the garden. Spray the plants occasionally with Bordeaux Mixture to prevent Mildew. Seed germinates in about 20 days.

Sunbeam Hybrids
Although individual named sorts do not generally reproduce themselves from seeds true to name or color nevertheless a carefully selected strain with good parentage is superior in all respects. Under proper cultivation the long, graceful spikes of Sunbeam Hybrids grow to a height of 3 to 5 feet and furnish abundant bloom for cutting. Seed is selected from only fine specimen plants of the most attractive blue and lavender shades. Flowers produced from this strain form some wonderful color combinations. Per Pkt. 50c, 3 Pkts. $1.25.

Wrexham Hollyhock Strain
Flowers of this magnificent strain are long and tapering and formed after the manner of hollyhocks. The strain we offer carries a rich assortment of tints delightfully blending light and dark shades. Pkt. 50c.

Gold Medal Hybrids
The finest hybrids to be found in Delphinium and all the lovely blues, lavenders and mauves are in this mixture. The plants are vigorous growers, producing tall, handsome spikes. Pkt. 25c, 1 oz. 50c.

Chinensis Azure Fairy
A lovely azure blue Delphinium flowering from the seed the first season if the seed is sown in early spring. The height is twelve to eighteen inches. Pkt. 10c, 1/2 oz. 35c.

Chinensis Blue Butterfly
A fine dark blue of the same type as Azure Fairy with which it is often grown. Pkt. 10c, 1/2 oz. 35c.

Chinensis Fine Mixed
A very pleasing mixture containing dark blue, light blue and white, that blossoms the first year from seed sown in the early spring. Pkt. 10c, 1/2 oz. 30c.

DAHLIA SEED

With the right seed wonderful results may be obtained and your garden will be a riot of blooms the first season. Each seed produces a new variety and this makes it the most fascinating part of growing Dahlias. They are seldom like the parent plant in type or color. There is no better seed than that grown in California where the long growing season ensures the seed being properly matured. This is not possible in other localities where growth is stopped by rain or frost before the seed is ripe.

Culture—Sow seed in flats, covering lightly with sand, screened leafmold or similar material. Place a square of burlap on top of seed bed and keep moist until seed is germinated, removing the burlap as soon as sprouts appear. When plants are 4 or 5 inches high pot them and when well established transplant to the garden. Dahlias from seed will bloom the first season about four weeks later than from tubers.

A & M Prize Mixed—All handpicked from the very finest, large flowering and double varieties. Many wonderful seedlings have resulted from this strain of seed. Pkt. 75c.

A & M Standard Mixed—Seed selected from choice varieties of Decorative and Cactus types. Pkt. 35c.

DAURA (Trumpet Flower)
Handsome ornamental annuals with large showy flowers. Grows to a height of 3 feet, will flower continuously throughout the summer. Pkt. 10c.
SHASTA DAISY

This popular flower has been much improved and the Alaska is the finest of all. The Shasta Daisy is noted for its keeping qualities as a cut flower. They should be planted in the fall or early spring. If planted in late fall will not bloom until the following spring.

Alaska—The finest. Pkt. 10c.

DIGITALIS (Foxglove)

A hardy biennial blooming the second year from seed. Grows usually about 3½ feet, although in very rich soil sometimes 6 feet. The bell shaped flowers are borne on long spikes, and come in shades of purple, lavender, rose and white, all spotted lightly inside the blossom. Thrives best in cool, shady locations.

Gloxiniaflora Mixed—Pkt. 10c.
Giant Shirley Mixed—Pkt. 15c.

DIANTHUS OR PINKS

Grows about 1 foot high, and bears beautifully colored single and double blossoms in profusion all summer. Sow seed in boxes and transplant, or sow in rows where the plants are to remain. They are largely distinct from the annual Sweet William.

Masses of small crimson flowers. Hardy perennial. Height 6-8 to deepest red.

Perennial, very dwarf. Pkt. 15c.

Single Grass Pink. Mixed—Pkt. 10c.
Double Grass Pink, Mixed—Pkt. 10c.

DIGITALIS (Foxglove)

Another splendid rock plant forming rosy-pink flowers in great profusion. Perennial, very dwarf. Pkt. 15c.

DOLICHOS OR HYACINTH BEAN

Tender, climbing annual. Grows rapidly and is valuable for covering a trellis. Flowers in purple and white. Sow seed in open ground late in April. Mixed—Pkt. 10c.

Dusty Miller

See Centaurea Candiaissima.

ERGERON

Speciosa Hybrid—Mauve blue flowers with yellow centers. Pleasing perennial ½-2 feet in height. Excellent for cutting and rock gardens. Pkt. 15c.

ERYNGIUM

A white or bull's head. They flower very early in the spring and are one of the most delightfully fragrant flowers in cultivation. Freesias are easily grown from seeds and will bloom the following spring if sown in the fall.

Purity-White. Pkt. 10c.
Improved Rainbow Mixed—Finest pastel shades. Pkt. 25c.

EVERLASTING FLOWER COLLECTION

Collection No. 16 F—One packet each of Acroclinium Rosea, Gomphrena Mixed, Helichrysum Mixed, Statice Parezii, Rodanthe and Xeranthemum. Special 60c.

EVERLASTING PEAS

See Lathyrus Latifolius.

FOUR O'CLOCK (Mirabilis)

Also called Marvel of Peru. A hardy annual of easy culture, growing about 2 feet high. The plant is free flowering, bearing blooms of a great variety. Mixed—Pkt. 10c.

FOXGLOVE

See Digitalis.

FORGET-ME-NOT (Myosotis)

These dainty little popular flowers may be grown from seeds or bulbs. They flower very early in the spring and are one of the most delightfully fragrant flowers in cultivation. Freesias are easily grown from seeds and will bloom the following spring if sown in the fall.

Purity—White. Pkt. 10c.
Improved Rainbow Mixed—Finest pastel shades. Pkt. 25c.

DIMORPHOTHECA

(The Golden African Daisy)

A showy annual from South Africa which has become a great favorite on account of its easy culture and beautifully colored flowers. The colors include all shades of yellow, orange, crimson and white, and massed in beds or wide borders they have a very brilliant effect. They may be planted during the fall, spring or summer.

Aurantiaca—Brilliant orange. Pkt. 10c.
Hybrids—Mixed Colors. Pkt. 10c.
Salmon Beauty—Ivory shade. Pkt. 15c.
Ringens—Recent introduction from South Africa. The flowers are pure white with a conspicuous blue ring around the center. Pkt. 25c.
A & M California Poppy (Eschscholtzia)

Hardy annual. Seed may be sown from October until April. Fall sown seed will bring large early flowers. Sow the seeds where the plants are to remain. To hold the moisture and insure good germination place burlap bags or cheese cloth on top of the seed bed or row, removing them just as soon as the tiny sprouts appear. Removal of the covering at the proper time is important, for leaving them too long will weaken the plants. Cultivation of poppies and all other plants during the winter months is quite necessary. Well cultivated soil absorbs the heat from the sun, allows a free circulation of air and provides good growing conditions generally. Poppy seeds are small and all small flower seeds should be planted to a depth of about twice the breadth of the seed itself.

Some wonderful new varieties have been produced recently. Remarkable color combinations which make striking beds and splendid cut flowers. California Poppies have a long blooming season which may be prolonged by cutting off the seed pods.

A SUGGESTION

On your automobile and hiking trips take with you a few ounces of California Poppies and scatter the seeds along the way. Remember that every wild flower picked reduces the amount of seed matured. To refrain from picking them and to scatter a few seeds as you go will assist in preserving the beautiful natural California flora we all so much enjoy. Another good plan is to sow on vacant lots and other spaces and let the winter rain germinate the seed.

NEW FLUTED AND RUFFLED VARIETIES

Ramona—Novelty. This variety stands out as a distinct and very charming type in the frilled class. It is a single but the frills give it the appearance of a semi-double. The color is a glittering coppery gold with pink shadings. Very attractive. Pkt. 25c.
Orange Flame—Vivid orange-scarlet and most striking of all the new colors. The plants are very erect and compact and would do for borders. Pkt. 15c, 1/4 oz. 50c.
Ballet Girl—The outside of the petals is an intense carmine, the inside a light cream, making a contrast of colors both beautiful and startling. Pkt. 15c, 1/4 oz. 50c.
Tango—A brony red overlaid terra cotta. This variety was introduced recently and found immediate favor. Pkt. 15c, 1/4 oz. 50c.
Mauve Beauty—An entirely new color. Is a beautiful shade of pure mauve. Pkt. 15c, 1/4 oz. 50c.
Lovely—True to its name this variety is a bright rose pink suffused with salmon. The blooms have a satiny appearance which adds much to their loveliness. Pkt. 15c, 1/4 oz. 50c.
The Geisha—The inside of the petals is a brilliant gold and the outside orange-crimson. The petals are fluted, which makes the open flowers very attractive. Pkt. 15c, 1/4 oz. 40c.
Vesuvius—A very odd color of wallflower red. Pkt. 15c, 1/4 oz. 30c.
Scarlet Beauty—The brightest color of all, being a deep scarlet suffused with salmon. The plants are very erect and the flowers large; it gives the effect of vivid scarlet tulips. Pkt. 15c, 1/4 oz. 50c.
Extra Choice Mixed—Contains the above, also many other of the newer colors. Pkt. 15c, oz. 90c.
Collection No. 17F—One packet each of the above named 9 varieties $1.00.

Double California Poppies

A new and delightful form of the State flower.
Double Alba—Pure white. Pkt. 15c.
Double Orange—Double form of Aurantiaca. Pkt. 15c.
Double Rose—Very fine. Pkt. 15c.

Standard California Poppies

Aurantiaca—The true California poppy. Color is deep orange. Pkt. 10c, oz. 30c, 1/2 lb. $1.00, lb. $3.00.
California White—A re-selected pure white. Pkt. 10c.
California Golden West—Yellow with orange center. Pkt. 10c.
California Crimson—Carmine Crimson. Pkt. 10c.
California Chrome Queen—Amber yellow. Pkt. 10c.
Collection No. 19F—One packet each of the above 5 named varieties 40c.
California Mixed—Pkt. 10c, oz. 25c, 1/2 lb. $1.25.

Your A & M Delphiniums in our garden have been a great attraction and source of comment this year. They have bloomed four different times and are blossoming again. They just won't stop. Am very happy to be able to recommend your seed.—Mrs. D. R. Light.
**GAILLARDIA**

Beautiful show plant, remarkable for the profusion, size and brilliancy of its flowers, continuing in bloom from early summer till late in the fall. Excellent for beds, borders, or for cutting. Height 18 inches.

**Annual Varieties**

- **Picta Lorenziana Double**—Large heads of bright yellow and red flowers, very double with quilled petals, suitable for bouquets. Should be sown where plants are to remain.
  - Double Ruby Pkt. 15c
  - Double Yellow Pkt. 15c
  - Double Lemon Pkt. 15c
  - Double Mixed Pkt. 15c
- **Indian Chief**—Copper red, a new color which cannot fail to win admiration.
- **Picta Single Mixed**—Showy strain producing large flowers of various colors. Pkt. 10c, ½ oz. 25c.

**Perennial Varieties**

- **Tangerine**—Compact flowers of various shades of tangerine orange. Very graceful. Pkt. 25c.
- **Portola Hybrids**—A new variety with flowers four inches across. They are very striking in appearance, the petals being of brilliant scarlet, tipped golden yellow. Pkt. 25c.
- **The Dazzler**—New Giant red Gaillardia with orange tips. Makes an extremely attractive table decoration. Pkt. 25c.
- **Grandiflora Single Mixed**—Single perennial variety of varying shades of reddish brown and yellow. Pkt. 10c, ½ oz. 25c.

**Gamolepis**

Annual plant growing about 1 foot high. Suitable for rock gardens or borders and prefers a sunny situation. Bears an attractive orange flower and is a continuous bloomer. Pkt. 15c.

**Geranium**

A beautiful hardy perennial producing flowers in profusion from spring till fall. It is an excellent cut flower, having long stems and keeping well.

- **Mrs. Bradshaw's Double Red**—Large bright orange-scarlet double flowers. Pkt. 15c.
- **Lady Stratheden**—A very striking double yellow flower, very large. Pkt. 25c.

**Geranium**

A half-hardy perennial flowering the first year from seed if sown early. A gorgeous flower of numerous shades of color.

**Choice Varieties Mixed**—This choice mixture includes many of the newest and finest sorts. Pkt. 25c.

**Gilia**

Capitata—Graceful annual, growing to a height of about 2 feet and bearing beautiful, globular flowers about one inch in diameter. Color a rich lavender blue. Foliage is feathery and very pretty. A native of California, easily grown and very effective for mixing with bouquets. Sow seed in fall, where plants are to remain. Pkt. 10c, ½ oz. 25c.

**Gladiolus Seed**

The seed should be sown in a well prepared seed bed where the young plants may be allowed to remain for a year. If covered with ¼ inch of sawdust and kept moist, the seed should germinate in two to three weeks. Many varieties will bloom the first year and a bed of well grown seedling gladioli, when in bloom, presents a gorgeous variation of color and type. Pkt. 25c.

**Gloxinia**

Robusta Grandiflora Mixed—Beautiful house plant forming flowers of varied rich hues. Seed should be sown in shallow pans in warm temperature during February and the young plants transplanted into pots as soon as large enough. In no stage of growth should the leaves be wetted. Use two parts leaf mold, one part loam and one part peat humus for best results. Pkt. 50c.

**Gomolepis**

Tagetes—Annual plant growing about 1 foot high. Suitable for rock gardens or borders and prefers a sunny situation. Bears an attractive orange flower and is a continuous bloomer. Pkt. 15c.
GODETIA
A hardy annual, very valuable for bedding and borders. For mass effects in shades of rose, red or pink it is unexcelled. The satiny cup-shaped flowers cover the compact-growing plants. The seed should be sown in the fall or early spring.

Dwarf Single Mixed—Height 10 to 15 inches. Pkt. 10c.
Tall Single Mixed—Height 18 to 24 inches. Pkt. 10c.
Azalea Flora—New dwarf double variety. Flowers are carmine and when the plant is in full bloom it is nothing but one mass of flowers. Highly recommended for pot culture. Pkt. 15c.

Tall Double Carminia Pkt. 10c.
Tall Double Rosea Pkt. 10c.
Tall Double Mixed Pkt. 10c.

OMPHRENA
Entirely different in appearance from any other everlasting flower, and very attractive. Has a globe-shaped flower resembling a clover blossom which when cut and dried holds its shape and color well. Mixed. Pkt. 10c, ½ oz. 30c.

GLAUCIUM
( Horned Poppy)
Brilliant flame-colored perennial growing to a height of 4 feet in California. Very showy flowers. Pkt. 25c.

HELIANTHEMUM
(Rock or Sun Rose)
Mutabile—Very low growing evergreen plant forming large clumps which are completely covered by small single rose-like flowers of various colors. They are drought resisting and useful for rockeries and borders. 8-12 inches. Pkt. 10c.

HELIANTHUS
See Sunflower.

HELICHRYSUM
(Straw Flower)
A free-flowering, hardy annual, growing four or five feet high and bearing beautiful straw-like flowers in a great variety of shades and colors.
Canary Yellow—Pkt. 10c.
Salmon—A bright salmon pink. Pkt. 10c.
Silver Globe—Glistening white. Pkt. 10c.
Golden Ball—Deep cinnabar yellow. Pkt. 10c.
Fireball—Bright scarlet. Pkt. 10c.
Violet—Pkt. 10c.
Crimson—Pkt. 10c.
Rose Carminia—Pkt. 10c.
Rose Queen—Pkt. 10c.
Silvery Pink—Pkt. 10c.
Separate Colors—½ oz. 25c.
All Colors—1 oz. Pkt. 10c, ½ oz. 50c.
Collection No. 45-F—One Pkt. each of the above named varieties, 75c.

HELIOTROPE
A half-hardy perennial growing four to eight feet high. Small flowers, borne in graceful clusters and very fragrant. Blooms the first season from seed if sown early. Forms a large plant and requires a roomy situation.
Finest Mixed—A mixture of the best types in shades of white, mauve and purple. Pkt. 15c.

HIBISCUS
Beautiful shrub-like plants growing from 3 to 5 feet high. The flowers are 4 to 5 inches in diameter and our mixture contains many bright and varied colors. Perennial. If sown early in the spring will bloom the first year, and it is a good idea to cut the plants back after blooming. Finest Mixed—Pkt. 15c.
Sunset or Golden Bowl—Deep cream with velvety maroon center. Pkt. 15c.

A & M HOLLYHOCKS
A hardy perennial of upright, stately growth, five to eight feet high, unqualified for a background or covering ugly places. The seed may be sown in the fall and will bloom the following spring. If sown in the early spring many will flower in the summer. The seed is generally sown in seed beds and transplanted where they are to grow. Pkt. ½ oz.
Double Maroon $1.00 $0.75
Double Scarlet .10 .75
Double Rose .10 .75
Double Newport Pink .10 .75
Double Yellow .10 .75
Double White .10 .75
Double Mixed .10 .55
Collection No. 20F—One packet each of the above six named varieties, 50c.
Double Exquisite—Very large flowers with beautifully curled and fringed white-margined petals, each adorned with a long blotch in various shades of red. Pkt. 25c.
Annual Single Mixed—A recent introduction in hollyhocks. This fine single mixture if sown in the spring will flower the first year. Pkt. 10c.
LANTANA

A tender perennial. The plants become shrubs either large or small according to variety. They are used for borders, hedges and specimen plants, and bear verbena-like clusters of flowers. The mixtures which we offer contain scarlet, orange, white, yellow, rose and other colors. We do not have separate colors.

Choice Tall Mixed—Height 3 to 6 feet. Pkt. 10c.

Choice Dwarf Mixed—Height 1 to 3 feet. Pkt. 10c.

LIANTHUS LATIFOLIUS

Everlasting Pea—A hardy perennial climber of great beauty with elegant sweet pea-like flowers in great profusion; height, 6 to 8 feet. 

Fine Mixed. Pkt. 10c.

LAVATERA

Splendens Rosea—An annual of easy culture growing 2 to 3 feet in height. The plants are bushy and bloom profusely through the summer and fall. The flowers resemble single Hollyhocks and make attractive bouquets when cut. Pkt. 10c.

LEPTOSIPHON

Hybrids Mixed—Profuse blooming annual. Grows about 3 inches high and is very useful for rock gardens and for edgings. Flowers are of varied colors and very showy. Pkt. 15c.

LEPTOSYNE

Maritima—Annual, 3 feet. The pale yellow flower similar to Marguerites are borne on long stems. Re-seeds in fall and produces abundance of flowers in February and March when flowers are scarce. Pkt. 15c.

LINUM (Scarlet Flax)

Grandiflorum Rubrum—A hardy annual of slender and graceful appearance with fine foliage and bright red flowers. It makes beautiful beds or borders and is largely used for cut flowers. Scarlet Flax makes a fine fall and winter flower, blooming profusely for several months. It may also be sown in the spring. Height 1 1/2 to 3 feet. Pkt. 10c, oz. 40c, 1/2 lb. $1.00.

Perenne (Evening Glory)—Fragrant violet flowers, expanding in the evening. An annual. Pkt. 10c.

LINNIA (Burning Bush)

Hunnemannia—Known also as “Burning Bush.”

Kochia (Summer Cypress)

Kochia—A hardy annual which will bloom first year if sown early. Produces in abundance long spikes of pale yellow flowers which are excellent for cutting; height 3 feet. Pkt. 12c.

LEONARIA

Marocanna Mixed—Annual growing about 1 foot high, producing graceful spikes of varied colored flowers. They are of easy culture and once established will grow to good size plants and produce a wealth of bloom. Sow in flats and transplant. Pkt. 15c, 1/2 oz. 25c.

Macedonica Speciosa—Hardy perennial which will bloom first year if sown early. Produces in abundance long spikes of pale yellow flowers which are excellent for cutting; height 3 feet. Pkt. 15c.

JACOBAEA

LATHYRUS LATIFOLIUS

LEPTOSYNE

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LARKSPUR

Our double flowering varieties, with their long spikes, are excellent for cut flowers. They should be planted in beds, as a background for other small plants. With the great variety of colors one may carry out most any color scheme desired, and the bright shades will add a touch of beauty to the garden that will be a pleasure to note. They are easily grown and we know of nothing that will produce a greater show. By all means include a general assortment of A & M Larkspur in your garden for early spring blooming.

In Southern California, larkspur may be sown in Spring and Fall, where the plants are to remain or they may be transplanted from flats or seed beds. It requires 15 to 20 days for the seed to germinate and the seed bed must be kept moist.

New and Exceptional Varieties

A & M CINDERELLA

One of the finest introductions of recent years. The color is a very rich deep pink on salmon ground. Lateral can be cut two feet long without injury to plant. Pkt. 35c.

A & M LA FRANCE

Exceptionally pleasing light salmon-pink—lighter shade than Cinderella. Pkt. 25c.

A & M LILAC SPIRE

Base branching type of Larkspur with exquisite lilac-colored spikes. Pkt. 25c.

A & M WHITE SPIRE

Dazzling pure white similar in habit to above. Pkt. 25c.

A & M LOS ANGELES

Rich rose-colored spikes with dark green foliage. Pkt. 25c.

Collection 23-F—One packet each of the above five exceptional varieties. $1.10.

Standard Varieties

Lustrous Carmine—Glowing color....10c 45c $1.35
Light Blue—A clear light blue 10c 30c 75c
Agretum Blue—Medium blue 10c 30c 75c
Dark Blue—A rich deep blue 10c 30c 75c
Rose—Rose pink suffused lavender 10c 30c 75c
Scarlet Rose—Brilliant deep rose 10c 30c 75c
Lilac—A lovely shade 10c 30c 75c
White—Pure white 10c 30c 75c
A & M Mixed—All colors 10c 25c 60c

Collection No. 22-F—One packet each of the above named eight varieties, 65c.

LOBELIA

This hardy annual grows four to six inches high, is of compact growth, and literally covered with small bright flowers. By cutting back the plants during the summer and giving plenty of water they may be kept in flower all summer. Used for ribbon work and borders or hanging baskets.

Crystal Palace—Undoubtedly the finest dwarf blue Lobelia for bedding. Plants very compact, profusely covered with rich, blue flowers. Height, 4 inches. Pkt. 10c.

Hamburgia—A trailing variety specially suited as a graceful plant for hanging baskets. Light blue. Pkt. 10c.

Emperor William—A dwarf light blue with light green foliage. Pkt. 10c.

Royal Purple—Deep rich, blue-purple flower, height 6 inches, very compact. Pkt. 10c.

Bedding Queen—Very dwarf. Deep purple-violet flowers with white eye. Pkt. 10c.

LOVE-IN-A-MIST—See Nigella

LUNARIA

Biennia Purple (Honesty)—Hardy biennial usually grown as an annual. Much admired for its silvery seed pods which are used for winter decorations. Grows 2 to 3 feet high. Pkt. 10c.

LUPIN

One of our most attractive and easiest grown native flowers. The plants grow 2 to 3 ft. high and have handsome spikes of flowers which are fine for cutting. If the plants are not allowed to go to seed they flower for several months in the spring.

Hartwegi Dark Blue—Pkt. 10c
Hartwegi Sky Blue—Pkt. 10c
Hartwegi Mixed—Pkt. 10c, 1/2 oz. 25c

Perennial Lupin—A very beautiful hardy perennial. The foliage is a soft green and the stately spikes of flowers rise several feet above the foliage. They bloom continuously during the spring. Choco Mixed—Pkt. 10c.
MATHIOLEA BICORNIS (Night Scented Stocks)
An old-fashioned annual whose purplish flowers are of delightful fragrance emitted in the evening. Pkt. 15c.

MIMULUS
Tigrinus Queen's Prize Mixed—Commonly called Monkey Flower. A dwarf, bushy growing annual blooming freely throughout the summer. Glosynia-like flowers, yellow to crimson. Does best in a moist, shady situation. Height 1 foot. Pkt. 10c.

Majestus (Musk Plant)—Well known, old fashioned plant with scented leaves and small yellow flowers. Pkt. 10c.

MINA LOBATA
A showy hardy annual climber, bearing flowers of a brilliant red, changing to a pale yellow. Makes a luxuriant growth of 15 to 20 feet and flowers freely all summer. Adapted for porches, arbors, etc. Pkt. 10c.

A & M MORNING GLORY (Convolvulus)
Free flowering, rich and varied colored flowers. The climbers are very useful for covering lattice work, verandas, etc., where they are exceedingly effective. Soak the seed for several hours in warm water before planting.

Major Tall Mixed—Attains a height of 15 feet or more. Pkt. 10c, oz. 20c.

Imperial Japanese Morning Glory—The best Morning Glory for strong growth and varying colors. Height 15 to 20 feet. Pkt. 10c, oz. 25c.

Convolvulus Mauritius—Species of Convolvulus valuable as a rock garden plant. blooms freely throughout the summer. Flowers violet-blue. Pkt. 25c.

MOONFLOWER—See Ipomoea
MOURNING BRIDE—See Scabiosa
MYOSOTIS—See Forget-Me-Not

A & M MARIGOLD
A & M strains of Marigold are becoming increasingly popular, and below we offer varieties which are most in demand. Marigold is a hardy annual, in dwarf and tall varieties, growing from 6 in. to 3 feet high. The flowers are various shades of yellow and brown. The tall varieties are very valuable for large bedding or background work, and the dwarf varieties for borders.

African (Fistulosa Type)
African Tall Double Orange—Beautifully formed flowers of gigantic size and bright color; height, 2½ feet. Pkt. 10c, ¼ oz. 50c, oz. $1.50.
African Tall Double Lemon—Like the above but a pure citrus yellow. Pkt. 10c, ¼ oz. 50c, oz. $1.00.
African Tall Double Mixed—Pkt. 10c, ¼ oz. 35c, oz. $1.00.
Alden Orange—Extra fine selection of orange Marigolds. Pkt. 25c.

Tall French
The flowers are much smaller than the African, but are greatly prized for bedding.

Tall French Single Brown—This fine flower is being grown extensively for florists. It is a combination of beautiful shades of brown and fine for cutting. Pkt. 10c, ¼ oz. 25c.

Tall French Electric Light—Double form of Legion of Honor. Pkt. 10c, ¼ oz. 25c.

Tall French Mixed—10 inches high. Pkt. 10c, ¼ oz. 25c.

MIGNONETTE
Hardy annual, growing 6 to 12 inches high and bearing pyramid-shaped spikes, exceedingly fragrant. The seeds may be sown from early spring until fall for a succession of bloom. It is used for bedding, borders, and cut flowers.

A & M Colossal—A new giant Mignonette. The spikes are two to three inches in diameter and each plant has many spikes. The flowers are a deep cream and fragrant. A novelty worth having. Pkt. 15c, ¼ oz. 50c.

New York Market—A magnificent strain of Machet Mignonette especially suitable for florists. The flowering spikes are extra long. Pkt. 15c.

Goliath Red—Robust growing variety with enormous spikes of red colored flowers: height, 15 inches. Pkt. 10c.

French Mixed—In shades of yellow, brown and tricolors. Pkt. 10c, oz. 25c.

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Tall French Mixed—10 inches high. Pkt. 10c, ¼ oz. 25c.
A & M NASTURTIUMS

These favorite and well known flowers are popular because of the great variety of colors which may be obtained with very little labor. They are not particular as to soil, fertility or cultivation and may be seen at the beach resorts growing in banks of pure sand where they get little or no attention. If you have an unsightly spot, plant A & M Nasturtiums and convert it into a beauty spot. The Dwarf varieties may be used for covering unsightly fences and fence corners. They will bloom in a few weeks after planting and will continue until cut down by the first frost.

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<th>Variety</th>
<th>Pkt.</th>
<th>Oz.</th>
<th>$1</th>
<th>$2</th>
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NEMESIA

Hardy annual. This flower is obtainable in numerous shades of beautiful colors, and when grown in mass form, gives a fine effect. Sow in a seed bed early in the spring and transplant. The blossoms are cup-shaped and the colors are blue, white, lavender and spotted. The seed may be sown from October to March and is very valuable for carpet bedding.

NEPETA MUSSIN

One of the best rock garden plants. It blooms nearly all the time and the flowers are lilac blue on stems 12 inches high. The whole plant is aromatic. Hardy perennial. Pkt. 25c.

NEPHILA

A hardy California annual growing about six inches high. The blossoms are cup-shaped and the colors are blue, white, lavender and spotted. The seed may be sown from October to March and is very valuable for carpet bedding.

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NICOTIANA, OR FLOWERING TOBACCO

A hardy annual growing 3 to 4 feet high and of branching habit. The plants are covered with the slender tubular flowers all summer. They may be used as a back ground or as single specimens. Popular for its evening fragrance.

NIGELLA (Love-in-a-Mist)

A hardy annual, one foot high, with finely cut foliage. Oddly shaped blossoms in blue and white and curous seed pods. Of easy culture.

PAINTED DAISIES

(Annual Chrysanthemum)

These hardy annuals are very showy and effective garden favorites. They grow to a height of about 2½ feet, producing a profusion of very lovely daisy-like flowers. In some of the varieties, as may be noted below, contrasting colors are produced in zones, these zones being well defined and of bright colors. They are easily grown, excellent for cutting purposes and are used freely in California as a florist cut flower. They do not require much water.

PENTSTEMON

Gloxinioides "Sensation"—The large Gloxinia shaped blossoms vary from pure white, pink, rose and crimson to mauve and purple, including many which are beautifully edged. Hardy perennials. Height, 2 feet. Pkt. 15c.

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OENOTHERA

Evening Scented Primrose—A tall growing plant bearing an abundance of large yellow flowers which expand in the evening. Height 2 to 3 feet. May be planted in part shade. They are very sweet scented, are a valuable addition to any garden. Easily grown. Pkt. 10c, ½ oz. 25c.

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Evening Scented Primrose—A tall growing plant bearing an abundance of large yellow flowers which expand in the evening. Height 2 to 3 feet. May be planted in part shade. They are very sweet scented, are a valuable addition to any garden. Easily grown. Pkt. 10c, ½ oz. 25c.
A & M PANSIES

Pansies thrive best in a moist, sunny location and in rich, loamy soil. Seed should be sown in the autumn for early spring blossoms, or can be sown early in the year for good flowers later in the spring. The plants must be transplanted twice in order to get the largest flowers; once from the seed box to a chosen bed, and again to the open garden. This is important for large size pansies; use manure liberally. The blossoms are usually larger in the spring and again in the fall, while they bloom freely all summer, the blossoms are small during the hot months.

It is much more interesting, satisfactory and inexpensive to grow your own pansies from seed. By so doing you may select and carry out your individual color scheme; you may also select your own types and take advantage of some of the finest varieties the plants of which are not offered for sale.

A & M Super Maximum

A lovely and distinct strain bearing extra large flowers with long stems that hold them well above the foliage. We introduced this pansy particularly for those who want an extraordinary strain, and we are pleased to recommend them highly. Letters from many friends indicate they are very satisfactory, and our own trials are greatly admired by all who see them. Pkt. 50c, 3 pkts. $1.25.

America

For those desiring a mixture containing a preponderance of self-colors, this strain is highly recommended. The plants are short and stocky and large flowers are produced from the start. Pkt. 50c.

Greenhouse Special

This mixture of fine pansies, highly recommended for greenhouse or garden, needs no introduction to the florists of Los Angeles, where it has given unbounded satisfaction for several years. Large flowers in the most desirable colors, on long stems. Pkt. 50c.

Swiss Giants

Not quite so large as our Super Maximum but much larger than the ordinary pansy and a selection of many equisite colors. Pkt. 35c, ½ oz. $1.75.

A & M Mastodon Pansies

A very popular beautiful strain of pansies. They bloom two to four weeks earlier than most strains, produce very large showy flowers and are exceptionally fine for beds, borders and window or porch boxes.

Adonis—Lovely sky blue. Pkt. 25c.
Bronze Mastodon—Very large, with all the different shades from burnished brass to gold, with no two flowers exactly alike. Pkt. 25c.
Madame Steele—Elks purple, of fine form and enormous size. Pkt. 25c.
Panama Pacific—A huge deep yellow, some have the dark center, some without. A beautiful bedding color. Pkt. 25c.
White Mastodon—Snow white with a large center, very large and beautiful. Pkt. 25c.
Mastodon Mixed—A wonderful collection of rich velvety shades in great variety, with fine long stems. Pkt. 25c, ½ oz. $1.25.

A & M Giant French Pansies

Where masses of distinct colors are desired, A & M Giant Pansies will prove of great value.

Aurora—Pure white. Pkt. 10c.
Azure Blue—Dale blue. Pkt. 10c.
Eros—Velvety brown with yellow margin. Pkt. 10c.
Golden Queen—Pleasing golden center. Pkt. 10c.
King of the Blacks—Velvety black. Pkt. 10c.
Lord Beaconsfield—Purple violet; upper petals shading lighter. Pkt. 10c.
Madame Perret—Lower petals are pale with rich rose color markings. Pkt. 10c.
Prince Henry—Darkest blue; very large beautiful flower. Pkt. 10c.
Ruby Red—Very large blooms in striking red shades. Pkt. 10c.
Collection of the Above 9 Varieties for 75c.

A & M Giant French Mixed—A very showy mixture of vigorous compact growth. Fine bedding strain. Pkt. 10c, ½ oz. 75c.

PHASEOLUS (Snail Vine)

Caracalla—A perennial vine bearing in abundance large clusters of fragrant waxy flowers curiously twisted, resembling a snail. Grown 15 feet high. Pkt. 25c.

PHYSOSTEGIA

Speciosa (False Dragon Head)—Very pretty hardy perennial growing 4-5 feet high. Flowers are of varying shades of pink. Splendid for borders. Pkt. 25c.
AGGELER & MUSSER SEED CO.
Los Angeles, California

PHLOX DRUMMONDI

One of the most beautiful and easiest grown of our hardy garden annuals. The flowers are produced in large trusses and may be had in many lovely colors. The seed may be sown in boxes and transplanted when danger of frost is over or may later be sown in the open. They make a very effective show when grown in masses or borders.

Large Flowering Grandiflora—A fine type having large heads of bloom and growing 15 inches in height. This variety may be used for cutting.

Large Flowering Grandiflora—A fine type having large heads of bloom and growing 15 inches in height. This variety may be used for cutting.

Scarlet .................. 10c 50c
Yellow .................. 10c 50c
Light Rose .................. 10c 50c
Lilac ............ 10c 50c
Rosy Chamois ............. 10c 50c
White .......................... 10c 50c
Grandiflora Mixed .............. 10c 50c

Collection No. 29F—One packet each of the above six named varieties, 50c.

Nana Compacta Dwarf—This type has the large individual blooms of the Grandiflora but the growth of the plant is compact and dwarf attaining a height of 8 inches. Magnificent for parkings and low borders.

Apricot .................. Pkt. 15c
Chamois Rose .................. Pkt. 15c
Defiance—Salmon scarlet ......... Pkt. 15c
Yellow .................. Pkt. 15c
Dark Purple .................. Pkt. 15c
White .......................... Pkt. 15c
Nana Compacta Mixed .............. Pkt. 10c

Collection 27-F—One packet each of the above 6 named varieties for 75c.

Star Phlox—A dwarf variety bearing star shaped blossoms in great abundance. Pkt. 10c, V1 oz. 35c.

Perennial Mixed—The bright colored flowers make a pleasing border. Seed is slow in germinating and from fall sowings seedlings will often not show until following spring. Pkt. 25c.

PHYSALIS FRANCHETII (Chinese Lantern Plant)

This hardy biennial plant grows to a height of about 3 feet and is a profuse bloomer, producing many large striking flowers of a beautiful brilliant orange red color resembling Chinese lanterns in shape. Pkt. 15c.

POLEMONIUM

Coeruleum (Jacob's Ladder)—Popular hardy perennial plant with beautiful bell shaped blue flower and fern-like foliage. Height 2 feet. Pkt. 10c.

PORTULACA (Moss Rose)

Beautiful race of dwarf plants for rock work or dry sunny locations, bearing glossy cup-shaped blossoms in brilliant colors. Annual.

Double Mixed—Saved from the finest flowers only, and will produce a large percentage of doubles. Pkt. 15c

Single Mixed—Large flowers. Pkt. 10c.

POTENTILLA

Wilmottiana—This flowering strawberry is remarkable for its distinct color—a very bright cerise-pink. Grows 15 in. high and flowers over a long period during the summer. Perennial. Pkt. 25c.

PYRETHRUM

Hardy perennials which are easily grown and make handsome plants.

Hybridum—This variety is a tall vigorous grower and flowers freely. The flowers are daisy-like and the colors vary from rose, pink and cream to white; all have yellow centers. They make very desirable cut flowers, keeping well in water. Single Mixed—Pkt. 10c, V1 oz. 75c.

Double Mixed—Produces a fair percentage of doubles. Pkt. 25c.

Golden Feather—Fine compact habit of growth, with bright yellow foliage, largely used for edgings and ribbon borders. Height, 9 inches. Pkt. 10c.

PRIMULA (Primrose)

Primroses are charming plants which blossom freely during the spring and winter. They are of easy culture and should be sown from March to May and again in July to August for a succession of bloom. All make splendid pot plants and some blossom freely out of doors even during the winter.

Plant Flowered—The beautiful Fringed Chinese and Obconica Grandiflora are large flowered, bloom freely for several months and are one of the very best house plants. We offer only the best seed.

Chinese Fringed Mixed—Pkt. 35c
Obconica Grandiflora—Pkt. 35c
Malacoides—A free flowering improved variety of Baby Primrose. They may be planted out of doors or used as pot plants. If planted in August in partial shade they will flower freely during the winter. Flowers a delicate lilac. Pkt 25c

Veris, Polyanthus, Mixed—Well known member of the primula family very useful for mass bedding preferring a shady situation. Pkt. 25c.

Auricula, Pine Mixed—Seed saved from the finest varieties covering a wide range of beautiful shades. Excellent for bedding and also valuable for the rock garden. Pkt. 25c.
A splendid race of plants, rich and varied colors, and profuse flowering with their charming and tender looking flowers, they are very beautiful for groups in the open. Sow seed early in spring, scatter thinly on an even surface and barely cover the seed with sand. If intended for the open ground, plant out into a frame to be kept until planting-out time. If for pots, pot singly into small pots in strong rich soil mixed with sand and shift as the plants grow larger.

In starting Petunia seed it is well to remember the rule that small flower seeds should be planted to a depth of about twice the breadth of the seed itself, which means that these should be merely pressed into the soil and receive a very light covering of sand. A burlap bag placed on top the seed bed will assist in germination. Remove the bag when sprouts appear and keep thoroughly moist. Dust with sulphur to prevent "damping off". When planting out double or ruffled varieties it is advisable to use the smaller plants in preference to the strong ones.

**FANCY DOUBLE VARIETIES**

Superb Double Fringed Mixed—One of the finest strains of Petunias in existence. The double flowers are very large, full and symmetrically formed, having the edges of the petals beautifully fringed. Pkt. 50c.

Carnation Flowered—Medium growing variety and very floriferous. The exquisite carnation like flowers range from light pink to deep rose. Excellent for pot culture as well as open ground. Pkt. 50c.

**RUFFLED AND FRINGED VARIETIES**

Theodosia—Very fascinating fringed petunia of a soft rose pink, beautifully veined. Pkt. 50c.

Frimbriata Coerulea—Steel blue in color and very attractively and deeply fringed. Pkt. 50c.

Copper Rose—Extremely attractive color and a distinctly new shade in the Ruffled Giants. Pkt. 50c.

Romany Lass—Very striking color of deep crimson with striped purple throat: ruffled. Pkt. 50c.

Giants of California—A California introduction. An extremely fine type of this well known flower. A mixture which will be appreciated by all growers of Petunias. Pkt. 50c.

Giants of California, Yellow Throated—A specially reselected mixture of giant Fringed. The flowers are large and ruffled in pleasing light shades, all having yellow throats. Pkt. 35c.

Ruffled Giants—A beautiful, deep throated new strain with flowers that are ruffled, fluted and fringed. Solid intense colors. Pkt. 25c.

New Dwarf Giants—This is by far the best strain for pot culture. The plants are compact, bearing large, colorful flowers with open throats well marked and veined. Pkt. 50c.

**PETUNIA COLLECTION**

No. 31-F—$1.00

One packet each of Romany Lass—deep crimson, Frimbriata Coerulea—steel blue and, Pink Triumph—clear pink. A very choice selection of ruffled and fringed varieties.

**STANDARD BEDDING VARIETIES**

Nana Erecta Rosy Morn—Of the same compact growth as Nana Erecta Snowball, but of lovely pink color with contrasting white throat. An improved strain. Pkt. 20c.

Nana Erecta Violacea—A new strain. This is a fine deep violet, the texture of the flower is like velvet and the plant growth erect and compact, like all of this class. Pkt. 20c.

Nana Erecta Snowball—The plants are erect and compact and are specially adapted for borders. The flowers are large in constant bloom. Pkt. 15c.

Lord Courtenay—A fine brilliant rose color with yellow throat. One of the finest varieties we offer. The flowers are large and showy and produced abundantly on large sturdy plants. Pkt. 15c.

Howard's Star Improved—Large velvety purple with a white star. Makes a very striking and attractive bed or border. Pkt. 15c.

General Dodds—A rich, blood red; this is a fine color. The flowers are large and erect and the plants large and free blooming. Pkt. 10c.

Collection No. 35-F—One packet each of above 6 varieties, 75c.

Grandiflora Single Mixed—Exceedingly handsome and free flowering, containing the greatest variety of colors, yellow throated, veined and blotched. Very large flowers. Pkt. 15c.

Hybrida Fine Mixed—A good Petunia for masting in beds and borders, yielding a profusion of brilliantly marked flowers. Pkt. 10c.

**BALCONY PETUNIABS**

Used extensively in California for training up on lattice-work, fences, etc., in the Los Angeles City parks. They have been used very effectively as pillars, standing 5 to 7 feet high. Balcony Petunias are a large free flowering type and they make a gorgeous display over a long season. May be used also for window boxes and large vases.

Balcony Blue—Deep velvet. Pkt. 20c

Balcony Rose—Deep rose. Pkt. 20c

Balcony Crimson. Pkt. 20c

Balcony White. Pkt. 20c

Collection No. 30F—One packet each of the above four named varieties, 65c.
A & M POPPIES

The different varieties of poppies are always favorites for outdoor display and the cultivation of them being so extremely simple entitles them to a place in every garden. Seed should be sown where the plants are intended to flower, because it is difficult to transplant them with any measure of success. Thin to 12 inches apart and give plenty of water just before buds appear.

In California, October to March is the best planting season. Poppies cut in the bud will open and make beautiful bouquets.

NEW TALL DOUBLE POPPIES

A & M Giant Ebelle—Salmon shades—magnificent poppy similar to double peony in form and bearing huge flowers of salmon shades. We consider this one of the finest double annual poppies yet offered. Pkt. 25c, 1/4 oz. 65c.

A & M Giant Ebelle White—Flowers a beautiful white, otherwise similar to the preceding variety. Pkt. 15c, 1/4 oz. 50c.

Double Carnation Flowered Poppies

Flowers are very double, ball-shaped and well fringed, the plants grow 3-4 feet high bearing blooms of brilliant colors making a grand garden display. Annual.

<table>
<thead>
<tr>
<th>Variety</th>
<th>Pkt.</th>
<th>Oz.</th>
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</thead>
<tbody>
<tr>
<td>Cherry Red</td>
<td>.40</td>
<td>.15</td>
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<tr>
<td>Salmon Pink</td>
<td>.40</td>
<td>.15</td>
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<tr>
<td>Bright Rose</td>
<td>.40</td>
<td>.15</td>
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<tr>
<td>Plum Violet</td>
<td>.40</td>
<td>.15</td>
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<tr>
<td>Shell Pink</td>
<td>.40</td>
<td>.15</td>
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<tr>
<td>Vermillion Red</td>
<td>.40</td>
<td>.15</td>
</tr>
<tr>
<td>Carnation Flowered Mixed</td>
<td>.35</td>
<td>.10</td>
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</tbody>
</table>

Collection No. 40-F—One packet each of the above six named varieties for 75c.

Double Paeony Flowered Poppies

This strain of double poppy differs from the Carnation flowered in that the flowers are oval in shape and the petals are plain edged. They make a glorious showing. Annual 3-4 feet.

<table>
<thead>
<tr>
<th>Variety</th>
<th>Pkt.</th>
<th>Oz.</th>
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</thead>
<tbody>
<tr>
<td>Cardinal Red</td>
<td>.40</td>
<td>.15</td>
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<tr>
<td>Brilliant Rose</td>
<td>.40</td>
<td>.15</td>
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<tr>
<td>Shrimp Pink</td>
<td>.40</td>
<td>.15</td>
</tr>
<tr>
<td>Paeony Mixed</td>
<td>.35</td>
<td>.10</td>
</tr>
</tbody>
</table>

Collection No. 41-F—One packet each of the above three named varieties for 40c.

Single Annual Shirley

The most charming poppy in cultivation. The blossoms are bright and showy and include an almost endless variety of colors, from pure white, pink, terra cotta, salmon, charol and rosy carmine, to brilliant crimson, many of the flowers being beautifully flaked or edged with white.

<table>
<thead>
<tr>
<th>Variety</th>
<th>Pkt.</th>
<th>Oz.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rose Pink</td>
<td>10c</td>
<td></td>
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<tr>
<td>Picotee</td>
<td>10c</td>
<td></td>
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<tr>
<td>A &amp; M Shirley</td>
<td>30c</td>
<td></td>
</tr>
<tr>
<td>Flanders Poppy</td>
<td>10c</td>
<td>1/4 oz. 25c</td>
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<tr>
<td>Tulip Poppy</td>
<td>10c</td>
<td>1/4 oz. 25c</td>
</tr>
<tr>
<td>American Legion</td>
<td>10c</td>
<td>1/4 oz. 25c</td>
</tr>
</tbody>
</table>

Double Annual Shirley

Eldorado Double Shirley—A new and lovely variety of Shirley poppies in a variety of wonderful colors. Each flower has many full petals giving the double appearance. A bed of these poppies would be a delight to any lover of flowers. Pkt. 10c, 1/4 oz. 25c.

Ranunculus Flowered—This variety of double Shirley was so named because of its resemblance to Ranunculus. It is a lovely flower and keeps well in water if cut before buds are fully opened. Pkt. 10c, 1/4 oz. 30c.

Perennial Poppies

Oriental Hybrids Mixed—These tall stately Poppies have immense flowers in the most gorgeous colors. Height 2½ ft. Our seed has been saved from the choicest new hybrids. Pkt. 10c.

Nudicaule, Iceland Poppy—A beautiful class of perennial poppies. Sow in March and they will flower the same year. The beautiful large blossoms are borne on wire-like stems above the fern-like foliage, with a great variety of colors. The Iceland Poppy has more lasting qualities as a cut flower, than any other poppy. Pkt. 10c, 1/4 oz. 25c.

A & M Australian Hybrids—This new type of Iceland Poppies introduced from Australia contains many beautiful shades of light pink through to orange. The stems are stiff and carry the huge flowers to perfection. Good for cutting. Pkt. 25c.
A & M SALPIGLOSSIS
Painted Glories
Highly ornamental half-hardy annual with large veined, funnel-shaped flowers; much prized for cutting; very showy in beds or border. A bed of these beautiful plants is one of the most striking features of the garden during June, July and August. Salpiglossis may be had in separate colors as well as mixed and very wonderful effects are possible with either one color or a combination of two or three of these separate varieties.

Brown and Gold .......................... Pkt. 15c
Velvet Red .................................. Pkt. 15c
Velvet Violet ................................ Pkt. 15c
Crimson and Gold ....................... Pkt. 15c
Light Blue and Gold .................... Pkt. 15c
Rose and Gold ............................ Pkt. 15c
Scarlet and Gold ........................ Pkt. 15c
Violet and Gold ............................ Pkt. 15c
Primrose .................................. Pkt. 15c
Faust Black .......................... Pkt. 15c
White and Yellow ...................... Pkt. 15c

Collection No. 32-F—One packet each of the best six varieties 75c.
Superbissima Mixed—Containing many lovely color combinations. Pkt. 15c, 1/4 oz. 35c.
Gloxiniflora Mixed—A special selection. The flowers are large and fantastically veined. Pkt. 25c.

SANVITALIA PROCUMBENS
Double—Hardy annual producing pretty small yellow double flowers in abundance throughout the summer. Grows six inches high and is suitable for edgings and rockeries. Pkt. 15c.

SAPONARIA
Ocymoides—Showy trailing perennial producing pretty rose-colored flowers suitable for rockeries. 9 inches. Pkt. 10c.
Vaccaria Rosea—The light graceful sprays of this annual are invaluable for vases, especially in arrangement with other cut flowers. Sowings should be made in succession for a continual supply of flowers. Height 2 feet. Pkt. 10c.
Vaccaria Alba—White. Pkt. 10c.

SALVIA FARINACEA
A hardy perennial. The spikes of bright light blue flowers rise above the foliage in an almost continuous mass of bloom. The flowers are excellent for cutting and the plants may be used for beds, borders, or as specimen plants among shrubs. Pkt. 15c.

SALVIA AZUREA
A beautiful hardy perennial producing spikes of pretty sky blue flowers in great profusion. Height 2-3 feet. Pkt. 15c.
A & M SCABIOSA
Large Flowering Annual Varieties

Mourning Bride, Pin Cushion—An old garden favorite and which has been much improved recently.

The flowers are large and vary from a lovely light blue to deepest red. They are borne on long graceful stems and produce abundantly from spring until autumn. They are especially recommended for cutting. Sow seed in boxes and transplant or sow in open ground after frost is over, and thin to 15 inches apart. Height 3 to 4 feet.

Giant Loveliness—A glorious new color in annual Scabiosa, the blossoms ranging through varying shades of soft delicate salmon rose. One of most beautiful ever introduced. Pkt. 25c.

Ageratum Blue—Medium blue............... 10c 30c
Azure Fairy—Light blue .................... 10c 30c
Black Prince—A deep red .............. 10c 30c
Flash Color—A soft flesh pink .......... 10c 30c
Fiery Scarlet—A brilliant color .......... 10c 30c
Peach Blossom—Very large light pink . 15c 45c
Rose—Soft Rose .......................... 10c 30c
Shasta—Wonderful pure white .......... 15c 45c
Snowball—Pure White .................... 10c 30c
Yellow—Light yellow ...................... 10c 30c

Collection No. 34—F—One packet each of five named above, at 10c pkt., for 35c.

Mixed—A mixture of all shades ................ 10c 25c

Hardy Perennial Scabiosa

Perennial Scabiosa are highly decorative and invaluable for cutting, lasting a long time in water. Seed should be planted in the fall for preference, but if sown in early spring the plants will bloom the first season. Height from 2-3 feet.

Isaac House Hybrids—This new hybrid strain is a great improvement over the Caucasica variety. The flowers are large with ruffled petals and range in color from white to darkest blue—lilac and mauve predominating. Pkt. 35c.

Columbiana—Flowers of this beautiful new scabiosa are 2-2½ inches across borne on long slender stems. The attractive pink shades are decidedly novel in a perennial scabiosa. Pkt. 35c.

Caucasica—The plants grow 2-2½ feet high and produce handsome flowers 3-4 inches across in a soft lavender or heliotrope shade. Pkt. 25c.

Japonica—A variety from Japan bearing large lavender blue flowers in great profusion. Height 3 ft. Pkt. 10c.

SCARLET RUNNER

A variety of climbing bean having rich scarlet blooms and most useful for decorative purposes in covering arbors and unsightly structures. The pods are also appreciated as an addition to the vegetable list. Pkt. 10c.

SCHIZANTHUS

Very beautiful and interesting annuals. This is one of the easiest annuals to raise from seed. Sow in open where plants are to flower. Exceptionally beautiful when in full bloom and literally covered with small orchid-like flowers. When 4 inches high remove the points to induce the plant to bush.

Grandiflora Mixed—Pkt. 25c.

Winstonensis Excelsior—Exceptionally large flowered mixture. Pkt. 25c.

SENSITIVE PLANT

An interesting plant, the leaves of which close when touched; elegant foliage; flowers pink. Pkt. 10c.

SHASTA DAISY

See Daisy.

SIDALCEA

Rose Queen—Graceful perennial with hollyhock-like flowers. Suitable for sunny borders. Flowers are a bright rose pink. Height 2-3 feet. Pkt. 15c.

SILENE (Catchfly)

Pendula—Bright double rose colored flowers produced in great abundance on dwarf compact plants. Very excellent for borders, masses and recommended for carpet bedding on bulb beds. Annual; 10 inches. Pkt. 10c.

Armeria Rose—Sweet-scent large heads of deep rose flowers, splendid for cutting. Annual; 15 inches. Pkt. 15c.

SMILAX

A perennial vine which thrives best in shady location. Very useful for decorative purposes. Pkt. 15c.

SNAIL VINE

See Phaseolus Caracalla.

SNAPDRAGON

See Antirrhinum.

SOLANUM

Capsicatrum Nanum (Jerusalem Cherry)—An ornamental shrub with bright red berries. Very useful for pots for winter decoration. Easily grown; 2 feet. Pkt. 10c.

Cleveland (Cleveland Cherry)—Similar to above but dwarfer in habit and produces more berries. Very ornamental. Height 1 foot. Pkt. 15c.

STACHY'S LANATA (Lamb's Ear)

A & M STOCKS

The Stock is one of the many popular plants used for bedding. For brilliance and diversity of color, fragrance and duration of bloom it is unsurpassed. Sow the seed in pans or boxes and transplant when large enough to an open, sunny location. When transplanting take the plants as they come and do not pick out the large ones. It is also a good idea to plant rather thickly so that the single can be weeded out as they appear. Stocks are one of our best winter blooming plants. May be planted from August to March for a succession of winter and summer bloom.

A & M Bismarck Stocks

This wonderful new strain of Stocks is of branching habit, making it possible to break long branches of flowers from the main stalk without injuring or destroying the beauty of the plant. The flowers are large and many of them on a stem. The sweet perfume of the Stocks make them most desirable for garden or for vases and the A & M Bismarck is the very latest improvement.

A & M Bismarck Mixed—All colors Pkt. 25c, 1/2 oz. $1.00.

Early Mammoth Branching Nice

This type is excellent for bedding and borders and is splendid for cutting. We offer fine varieties in separate colors and a choice mixture.

Giant American Beauty (Rose Pink).... Pkt. 15c
Giant Carmine Rose (Abundance) Large spikes Pkt. 15c
Giant Old Rose (Hellebore red).... Pkt. 15c
Giant Lavender (Golden Sheaf).... Pkt. 15c
Giant White (Mount Blanc).... Pkt. 15c
Giant Carmine Rose—Large spikes Pkt. 15c
Giant Old Rose—Lowly shade of old rose.. Pkt. 25c
Giant Rose Peep Rose Pink. Pkt. 25c
Giant Fiery Blood Red—Bright red Pkt. 25c
Giant Black—Pure white Pkt. 25c
Bismarck Purple King—Dark purple. Pkt. 25c
Giant Nice—Finest Mixed. Pkt. 15c
Lilac (Queen Alexandria) . Pkt. 15c
Giant Canary Yellow (Monte Carlo) . Pkt. 15c
Giant Dark Blue (Summer Night) Pkt. 15c
Giant Yellow Lilac (Queen Alexandra) Pkt. 15c
Giant Chamois and Rose (Beauy... Pkt. 15c
Bismarck Mixed—Pkt. 25c, 1/8 Pkt. oz. $1.00.

Perpetual Branching

Giant Perfection—This type is of branching habit with long stems, making it very desirable for cutting. The percentage of double is high. Height 2 feet.

Blood Red Pkt. 15c Deep Purple Pkt. 15c
Bright Yellow Pkt. 15c Flesh Pink Pkt. 15c
Pink Pkt. 15c Flesh Pink Pkt. 15c
Lilac Pkt. 15c White Pkt. 15c
Heatham Beauty—Rose shaded terra cotta. Pkt. 15c
Collection 44-F—One packet each of the above seven separate colors, 85c.

Large Flowering Ten Weeks Stocks

A & M Mixed—Pkt. 10c, 1/2 oz. 50c.

STATICE

Sinuata—An everlasting flower which is increasing in popularity. The plants throw large sprays of flowers which may be dried and used with everlasting flowers. May also be dried and used with everlasting flowers. The leaves are large and glossy and the flower stalk grows to a height of 2 feet or more above the leaves and is crowned with a mass of small violet-blue flowers. This variety is popularly grown among shrubbery and as specimen plants. Pkt. 10c.

STEVIA

Serrata—Small fragrant white flowers borne in large heads which are valuable for cutting. A free blooming perennial of easy culture. Pkt. 10c.
**SUNFLOWER (Helianthus)**

Stately, hardy, annuals of easy culture. Useful for background or as a fence and often grown for the seed. Height 6 to 8 feet.

**Maroon Prince**—A dwarf strain of dark red Sunflower. It is true Maroon in color and makes a striking decoration for large vases. Pkt. 10c.

**Extra Dwarf White Seeded**—Very dwarf growing variety. The chrysanthemum like flowers are golden yellow in color. Pkt. 10c.

**California Double**—Large, massy, bright yellow flowers, height 6 feet. Pkt. 10c.

**New Red Sunflower**—The plant is of a freely-branching habit with well-shaped dark-centered flowers of bright chestnut red, merging to a yellow at the tips of the petals. Height 6 feet. Pkt. 10c.

**Mammoth Russian**—Is planted largely for seed. It also makes a good windbreak and a very ornamental background. Requires little attention. Pkt. 10c, lb. 25c.

**Flowering the second year from seed. Grows one to two feet high and bears its flowers in clusters at the end of a stiff stem. The individual flowers are handsomely colored and marked. It makes a beautiful bedding plant, and is of easy culture.**

**Pink Beauty**—Very dainty. Pkt. 10c.

**Scarlet Beauty**—Elegant for masses. Pkt. 10c.

**Single Mixed**—Very attractive. Pkt. 10c.

**Double Mixed**—Pkt. 10c.

**Annual Single Mixed**—A fine mixture blooming the first year from seed. Pkt. 10c.

**TAGETES**

**Signata Pumila**—Very profuse blooming, compact, bushy annual Marigold with pretty fern-like leaves. The flowers are bright golden yellow. Fine bedding. Height 9 inches. Pkt. 10c.

**THALICTRUM**

**Dipterocarpum**—The foliage somewhat resembles that of the Columbine and the large feathery heads of rose colored flowers are borne on long stems above the foliage. They bloom through the summer and attain a height of about 4 feet. An excellent perennial. Pkt. 25c.

**THUNBERGIA (Black Eyed Susan)**

A free blooming annual climber with attractive green foliage. It is also used extensively in hanging baskets, window boxes, etc. The flowers are small in varied colors of yellow, orange and white with black eyes. Finest mixed. Pkt. 10c.

**TORENIAS**

**Fournieri**—This densely blooming annual is suitable for beds or hanging baskets. The plants are covered throughout the season with sky blue flowers somewhat resembling snapdragons. Height 1 foot. Pkt. 15c.

**TRACHELUM**

**Coeruleum**—A vigorous growing annual with flowers that can be described as globes of tiny Gypsophila-like florets in mauve color. Height about 2 feet. Does well as a pot plant. Pkt. 25c.

**TRITOMA**

**A & M Luminous Hybrids**—Sometimes called Red Hot Poker. Flowers range in color from deep yellow to coral, orange and scarlet with some very striking combinations. Easily grown from seed. Pkt 35c.

**TUNICA SAXIFRAGA**

**Stately**—Pretty plant for rock gardens. The tiny star-like pale pink flowers are produced profusely the whole summer on rounded clumps. Hardy perennial; 1 foot. Pkt. 10c.

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**ROCK GARDENS**

Write for Our Free Circular on Rock Gardens

Throughout the flower seed pages will be found listed numerous rock garden plants and below will be found a summary of these together with other garden plants suitable for the purpose.

**Annuals**

**Abroonia**—Trailing plant with Verbena like flowers.

**Alyssum**—Little Gem.

**Anagallis**—Height 6 inches.

**Browallia**—Rich blue flowers. Stands considerable cold; 18 inches.

**Cheiranthus Linifolium**—Bright mauve flowers.

**Gomolepis Tagetes**—Attractive orange flowers.

**Convolvulus Mauritius**—Violet blue.

**Leptosiphon**—Flowers are very showy.

**Mesembryanthemum Crystallinum**—Ice plant, white flowers.

**Nemophila**—(Baby Blue Eyes).

**Portulaca**—(Moss Rose).

**Sanvitalia Procumbens**—Small double yellow flowers.

**Viola**—(Tufted Pansies).

**Perennials**

**Agathea**—Blue marguerite-like flowers.

**Alyssum**—Saxatile Yellow, height 1 foot.

**Arabis Alpina**—(Rock Cress) 6-12 in. Fine white flowers.

**Armeria**—Flowers rose pink.

**Aubrietia**—Orange flowers.

**Beilis Perennis**—Varied colors. Trailing. Pkt. 10c.

**Browallia**—The flowers are about 2 inches in diameter.

**Cheiranthus Allionl**—Orange flowers.

**Cerastium Biebersteinii**—Crimson flowers.

**Dianthus Caesius**—Pink Beauty—Very dainty. Pkt. 10c.

**Dianthus deltoides**—Crimson flowers.

**Dianthus caesius**—Pink Beauty—Very dainty. Pkt. 10c.

**Dianthus deltoides**—Crimson flowers.

**Euphorbia**—A dwarf strain of dark red Sunflower. It is true Maroon in color and makes a striking decoration for large vases. Pkt. 10c.

**Fournieri**—This densely blooming annual is suitable for beds or hanging baskets. The plants are covered throughout the season with sky blue flowers somewhat resembling snapdragons. Height 1 foot. Pkt. 15c.

**Gomolepis Tagetes**—Attractive orange flowers.

**Heuchera**—Height 1 1/2 feet, crimson flowers.

**Kenilworth Ivy**—Little trailing plant.

**Linum Perenne**—(Blue Flax), attractive blue flowers.

**Nepeta Mussini**—Aromatic plant with lilac blue flowers.

**Polemonium**—Bell shaped blue flowers, height 2 feet.

**Petunia**—(Balcony varieties), separate colors, of blue, rose, crimson, and white.

**Saponaria Ocyoides**—Trailing plant with rose colored flowers.

**Silene Schaffta**—Bright pink flowers; 4-6 inches.

**Stachys Lanata**—Striking silver leaved plant.

**Tunica Saxifraga**—Tiny star-like pink flowers.

**Verbena Venosa**—Flowers rich rosy purple.
CALIFORNIA SWEET PEAS
Ask for Sweet Pea Culture, Bulletin No. 11

Sweet Peas are a particular pride of California. Hundreds of acres may be seen in solid fields in the seed producing sections and they are a beautiful sight to behold. Grown under ideal climatic conditions the seed is generally recognized as being superior in high percentage of germination and extraordinary vitality. Magnificent flowers borne on long stems predominate in the best varieties introduced from the Golden State, and without exception they please the most discriminating growers and Sweet Pea enthusiasts. From the hundreds of varieties in commerce we have confined ourselves to what we consider the most outstanding sorts covering a complete range of color.

A & M Early Flowering Spencer Sweet Peas
Early or Winter Flowering Spencer Sweet Peas come into bloom at least one month earlier than the Late or Standard Spencers. For this reason they are particularly suitable for sowing in August and September for early Fall and Christmas blooming. However, the planting season in California extends from August 1st until January with a resultant wealth of bloom throughout the Spring and early Summer.

FOR BEST RESULTS INOCULATE SWEET PEA SEED WITH McQUEEN'S DUST-KOTE INOCULATOR — Pkt. 15c

We consider McQueen's the best seed inoculant on sale today.

New and Distinctive Varieties

APOLLO — Soft appealing shade of salmon cerise. The flowers are unusually large, nicely waved and carried on stems of exceptional length. Pkt. 30c.

BLUE BONNET — An extra large, fine deep blue without the slightest trace of mauve. It has long stems and carried on stems of exceptional length. Pkt. 30c.

EARLY DUPLEX GEM — Dainty rose-pink on cream ground. The blossoms are beautifully duplexed and are produced four on a stem. Pkt. 30c.

VALENCIA — Bright sunproof orange of soft tone. Has immense vigor in growth of good length of stems and bears fine large blooms. Pkt. 30c.

Collection (4) — One packet each of the above four distinctive varieties. $1.00.

A & M GLOW — Glorious new duplex Sweet Pea in a resplendent bright rose color. The flowers are phenomenally large, daintily frilled and usually borne four to one stem. Very vigorous grower. Pkt. 50c.

General List

AMETHYST — Light purple. Very fine. Pkt. 15c, 1/2 Oz. 45c
ANGELUS — Salmon. Pink on cream ground. Pkt. 15c, 1/2 Oz. 45c
AVIATOR — Dazzling crimson scarlet. Pkt. 15c, 1/2 Oz. 45c
BALL'S BLUE — Medium blue. Large and free blooming. Pkt. 15c, 1/2 Oz. 45c
BALL'S ROSE — Sparkling dark rose. Pkt. 15c, 1/2 Oz. 45c
BLUE BIRD — Violet blue. Extra large and one of the finest. Pkt. 15c, 1/2 Oz. 45c
BRIGHT LIGHT — Flaming scarlet. Pkt. 15c, 1/2 Oz. 45c
COLUMBIA — Salmon rose. Standard with white wings. Pkt. 15c, 1/2 Oz. 45c
EARLY DUPLEX PIONEER — Beautifully duplexed. Rose pink on cream ground. Pkt. 25c, 1/2 Oz. 75c
EARLY MAMMOTH ROSE — Immense rose pink. Pkt. 25c, 1/2 Oz. 75c
FAIR MAID — Flush pink suffused salmon. Pkt. 15c, 1/2 Oz. 45c
GLITTERS — Cerise. One of the most popular for all purposes. Pkt. 15c, 1/2 Oz. 45c
GRENADEER — Dazzling scarlet. New and extra fine. Pkt. 25c, 1/2 Oz. 75c
HARMONY — Finest lavender rose. Pkt. 15c, 1/2 Oz. 45c
Hercules — Florist pink. Extra large, strong grower, fine stem. Pkt. 15c, 1/2 Oz. 45c
ILLUMINATION — Salmon cerise. A popular favorite. Good. Pkt. 15c, 1/2 Oz. 45c
IMPERIAL PINK — Clear pink flowers. Very vigorous grower. Pkt. 25c, 1/2 Oz. 75c
MAUVE BEAUTY — Rose mauve. A distinct color. Pkt. 15c, 1/2 Oz. 45c
MICHIGAN — Giant lavender. Pkt. 15c, 1/2 Oz. 45c
MISS LOUISE GUDE — Brilliant pink. Fine exhibition and commercial variety. Pkt. 15c, 1/2 Oz. 45c
MRS. CALVIN COOLIDGE — Fine rich salmon pink. Pkt. 15c, 1/2 Oz. 45c
NEW BLUE — A splendid blue. Extra fine for florists. Pkt. 25c, 1/2 Oz. 75c
ORANGE KING — Glowing Intense orange. Pkt. 15c, 1/2 Oz. 45c
PERFECTION — Rose. Good strong grower, large flowers and good long stem. Pkt. 15c, 1/2 Oz. 45c
PINK CHARM — Very dainty light rose pink. Extra fine for florists. Pkt. 25c, 1/2 Oz. 75c
ROSE CHARM — Large bright rose. Pkt. 15c, 1/2 Oz. 45c
ROSE DORE — Rose pink suffused orange. Pkt. 15c, 1/2 Oz. 45c
SNOWSTORM — Improved pure white. Pkt. 15c, 1/2 Oz. 45c
Early Flowering Spencer Sweet Peas--Continued

SPRINGSONG—Light rose suffused salmon. Pkt. 25c, ½ oz. 75c.
SUPERIOR PINK—Lovely clear rose pink. Pkt. 15c, ½ oz. 45c.
SWEET LAVENDER—New lavender. Pure self lavender and very fine. Pkt. 15c, ½ oz. 45c.
THREE JEWELS—Fiery rose. No other color. Just like this one. Pkt. 15c, ½ oz. 45c.
TORCH—Salmon orange. A fine sweet pea in every way. Pkt. 15c, ½ oz. 45c.
TRUE BLUE—Medium blue. Good size and good stem. Pkt. 15c, ½ oz. 45c.
VULCAN—Vivid scarlet. A flower with some life to it. Glistening. Pkt. 15c, ½ oz. 45c.
WHITE ROSE—Large pure white; long stem. Pkt. 25c, ½ oz. 75c.
ZVOLANEK’S ROSE—Giant rose pink, vigorous, extra large flowers and exceedingly long stems. Fine exhibition. Pkt. 15c, ½ oz. 45c.

A & M EARLY FLOWERING SPENCER MIXED—A well balanced mixture of many fine varieties including some of the latest introductions and improved strains. Plant one ounce to a 30 ft. row. Pkt. 15c, ½ oz. 40c, oz. 75c, ½ lb. $2.50, lb. $7.50.

Rainbow Collection No. 1
6 packets of Early Flowering Spencer and 1 packet McQueen’s Culture 75c
One packet each—Vulcan, Snowstorm, Harmony, Miss Louise Gude, The Beauty, Othello.

Rainbow Collection No. 2
12 packets of Early Flowering Spencer and 1 packet McQueen’s Culture $1.50
One packet each—Aviator, Columbia, Fair Maid, Hercules, Illumination, Mauve Beauty, Rose Dore, Harmony, Snowstorm, True Blue, Torch, Othello.

Standard Giant Spencers
For Spring and SummerBlooming

The Giant Spencers listed below are particularly recommended for spring and summer blooming and will thrive in any climate where other sweet peas will grow.

This strain of Sweet Peas bears three and four very large flowers on long, stiff stems. Many of the flowers are ruffled and wavy and the great assortment of shades makes them a remarkable strain for all purposes.

AVALANCHE—Glistening white of great substance. Pkt. 10c, Oz. 40c.
BONFIRE—Cherry pink, cream wings. Pkt. 10c, Oz. 40c.
BRILLIANT ROSE—Tyrian rose. Pkt. 10c, Oz. 40c.
CHARMING—Rose Cerise. Refined shade and splendid form. Pkt. 10c, Oz. 40c.
CRIMSON KING—Crimson. Deep rich color and very large. Pkt. 10c, Oz. 40c.
DEL MONTE—Salmon cerise. Pkt. 10c, Oz. 40c.
ELEGANCE—Blush lilac, suffused pink. Pkt. 10c, Oz. 40c.
FORTUNE—Rich dark blue. Pkt. 10c, Oz. 40c.
GLENEAGLES—Very large lavender. Splendid in every respect. Pkt. 10c, Oz. 40c.
HEAVENLY BLUE—Deep Delphinium blue. Very large and good stem. Pkt. 10c, Oz. 40c.
MAMMOTH—Blazing orange scarlet. Pkt. 10c, Oz. 40c.
MARY PICKFORD—Dainty cream pink suffused salmon. Pkt. 10c, Oz. 40c.
MISS CALIFORNIA—Orange salmon. Petals are ruffled and the flower is exceedingly attractive. Pkt. 10c, Oz. 40c.
MRS. A. SEARLES—Rich pink merging into a soft oriental red self. Pkt. 10c, Oz. 40c.
OLYMPIA—Deep glowing purple. Pkt. 10c, Oz. 40c.
PINKIE—Mammoth rose pink, long stems. Pkt. 10c, Oz. 40c.
POWERSCOURT—Lavender. One of the finest. Pkt. 10c, Oz. 40c.
R. F. FELTON—Clear lavender. Pkt. 10c, Oz. 40c.
ROYAL PINK—Pure medium pink. Pkt. 10c, Oz. 40c.
ROYAL SALUTE—Deep cerise. Pkt. 10c, Oz. 40c.
ROYAL SOVEREIGN—Glistening orange. Pkt. 10c, Oz. 40c.
SUNKIST—Cream picotee edged rose. Pkt. 10c, Oz. 40c.
THE CARDINAL—Scarlet. Intense poppy scarlet. Striking. Pkt. 10c, Oz. 40c.
THE SULTAN—Deep velvety maroon. Pkt. 10c, Oz. 40c.
WHAT JOY—Best cream. Pkt. 10c, Oz. 40c.
YOUTH—Large white and pink picotee. Very attractive. Pkt. 10c, Oz. 40c.

A & M GIANT SPENCERS MIXED—One of the finest and best balanced mixture of growers and good varieties. Pkt. 10c, Oz. 30c, ½ lb. $1.00, lb. $3.00.

CUPID SWEET PEAS
These Sweet Peas make the most brilliant and showy plantings, beds and low borders imaginable. They make a uniform growth about 8 inches high and each plant is about 1 foot in diameter. Mixed—Pkt. 10c each, oz. 30c.

INOCULATE SWEET PEA SEEDS with McQUEEN’S DUST-KOTE INOCULATOR to IMPROVE their GROWTH—15c
A & M VERBENAS

A hardy perennial of trailing habit and one of the finest and best known for beds, parks, etc. The colors are brilliant and varied and the new large flowered strains are handsome as cut flowers. The flowers are fragrant and produced freely throughout most of the year. They will stand much neglect after established, requiring but little water. Plant in seed boxes and transplant to a sunny situation, or may be sown in open ground during warm weather.

Hybrida Mammoth

Golden Queen—(New.) Hot yellow .......... Pkt. 15c
Mayflower—Improved pink .................. Pkt. 15c
Blue—Blue shades .......................... Pkt. 10c
Defiance Scarlet—Bright scarlet .......... Pkt. 10c
Pink—Pink self ............................... Pkt. 10c
Purple—Rich color ............................ Pkt. 10c
Yellow—Cream yellow ....................... Pkt. 10c
White—White heads ......................... Pkt. 15c
Firefly—Scarlet with white eye .......... Pkt. 10c

Collection 43F—One packet each of the above seven named varieties at 10c, 60c postpaid.

Hybrida Giants

A new strain of verbena with the same characteristics as the mammoth except that each flowerlet in the cluster is much larger. This gives the blooming plant a more brilliant effect.

Carmine Pink—(New.) Very attractive ...... Pkt. 15c
Etna—Garnet red, deep cream eye .......... Pkt. 15c
Giant Salmon Pink—Huge clusters ........ Pkt. 15c
Royale—Royal blue, creamy eye .......... Pkt. 15c
Lucifer Scarlet—No eye ...................... Pkt. 15c
Rosea Stellata—Rose pink with white eyes Pkt. 15c
Violacea Stellata—Deep purple with white eyes Pkt. 15c
Hybrida Giant Mixed ......................... Pkt. 15c

VERBENA ERINOIDES

Produces a mass of spreading foliage and a profusion of purple headed blooms. Much prized in rock gardens as well as for borders and does well in hot locations. Pkt. 10c.

VIOLET CORNUTA

"Tufted Pansies"—The flowers are not so large as regular pansies but bloom so freely that for bedding effect they are unsurpassed. The colors are distinct and they also bloom for a long time.

Aurea—Rich apricot shading darker in center .... Pkt. 25c
Blue Perfection—Deep bright blue .......... Pkt. 15c
Jersey Gem—Deep violet-blue, Type variable .... Pkt. 25c
Yellow .................. Pkt. 15c Rose Queen Pkt. 15c
Mauve Queen .............. Pkt. 15c White Perfection Pkt. 15c
Mixed .......................... Pkt. 10c Purple 15c

TITHONIA SPECIOSA

(Mexican Sunflower)—Tall growing plant usually grown as an annual. Very desirable as a background to borders. Flowers are similar to single Dahlias and are a striking orange red color. Sow seed in spring when soil is warm. Pkt. 25c.

WALLFLOWER

Delightfully fragrant flowers growing in spikes similar to stocks.

Annual Single Mixed—A beautiful single variety which flowers during the summer from seed sown in the spring. Pkt. 10c.
Perennial Double Mixed—Handsome double flowers. Should be planted in the fall for spring blooming or early in spring for late summer flowers. A fine mixture of colors. Pkt. 15c.

WIGANDIA

Macrophylla—Perennial with purple flower than can be grown as a vine or shrub. Rambling grower with large leaves. Seed should be sown in January. Height 6-8 feet. Pkt. 15c.

WILD CUCUMBER VINE

One of the most rapid and vigorous climbers we have. It is invaluable for covering unsightly places and fences. Pkt. 10c.

WISTERIA

An extremely graceful climber. For trellis and arbor work no other vine can surpass it. Grown readily from seed but plants do not make rapid growth or bloom until well established. Blue. Pkt. 10c.

XERANTHEMUM

Double Mixed—One of the most attractive and satisfactory everlasting flowers. The flowers are white, purple, yellow and rose and are pretty in the garden or dried. Plant in the open ground in a sunny situation after frost is over. Pkt. 10c.
A & M CALIFORNIA ZINNIAS

There is perhaps no better illustration of the advancement in plant breeding than the glorious Zinnias grown today. From the small flowers of a few years back have been evolved the marvels of size, color, form and wonderful freedom in flowering which is seen in the latest creations. The Zinnia is one of the most satisfactory flowers to grow through the summer. It is extremely colorful, stands considerable heat and has few pests. As a cut flower it is unexcelled. Seed should not be sown until the soil has become warm in the spring. Cover the sowing with a burlap and do not allow to dry out. Remove the burlap as soon as the seed sprouts.

A & M DAHLIA FLOWERED

Indicating the excellence of this Improved Strain of Zinnias it was granted an Award of Merit by the Royal Horticultural Society of England, 1924, and it created a sensation wherever grown. The large size, fullness of petals, extraordinary color range, and good keeping qualities have all contributed to its popularity. The flowers resemble in appearance the Decorative Dahlia and is called the Dahlia Flowered Zinnia for this reason. When in full bloom they often measure five to six inches in diameter. The A & M Dahlia Flowered Zinnia is strictly a California introduction and we cannot recommend it too highly to our friends.

Buttercup—Flower large size, deep creamy yellow. Pkt. 25c.
Crimson Monarch—Bright crimson. The largest of the dahlia-flowered type. Pkt. 25c.
Dream—Deep lavender purple, a very beautiful shade. Pkt. 25c.
Exquisite—One of the most pleasing shades. Color a light rose with deeper rose center. Pkt. 25c.
Golden Dawn—(New.) Bright golden yellow, lighter than Golden State. Pkt. 25c.
Golden State—Yellow in bud, turning to a rich orange when in full bloom. Pkt. 25c.
Illumination—A deep rose, soft-color. Pkt. 25c.
Meteor—A rich glowing deep red and the darkest of all red shades. Good depth of petal. Pkt. 25c.
Old Rose—A very fine flower, of a beautiful rose shade. Ranks among the very best. Pkt. 25c.
Oriole—Immense flowers of orange and gold. Very fine, Pkt. 25c.
Polar Bear—A beautiful pure white flower of the form of a Dahlia. Pkt. 25c.
Purple Prince—A fine, deep purple. Large and well formed blooms. Pkt. 25c.
Scarlet Flame—Large, beautiful bright scarlet, with a delightful blending of orange throughout petal. Pkt. 25c.
Youth—(New.) Beautiful soft rose self, slightly lighter than Exquisite. Pkt. 25c.
Collection No. 39—One packet each of ten selected varieties of Dahlia Flowered Zinnias, for a most gorgeous display. $2.00.
Special Dahlia Flowered Mixture—This mixture contains all of the Zinnia novelties and is a most wonderful collection. It will make an excellent garden show and produce fine flowers for cutting. Pkt. 25c, ½ oz. 75c.

DAHLIA FLOWERED RADIANT MIXTURE

An excellent selection of this wonderful type of Zinnia particularly recommended where larger plantings are required. A splendid range of colors. Pkt. 15c, ½ oz. 45c, oz. $1.25.

A & M CALIFORNIA MAMMOTH TYPE

This magnificent new type of Zinnia promises to rival in size the now universally famous Dahlia Flowered strain. The enormous flowers often measuring 5 to 6 inches across, have smaller centers than the Dahlia Flowered and the petals, while not cupped, are symetrically formed presenting an extremely graceful appearance.

Unsurpassed as a decoration for large vases.


cerise Queen—Beautiful cerise rose..............................................Pkt. 25c
Enchantress—Light rose, deep center............................................Pkt. 25c
Lemon Queen—Two tone yellow.....................................................Pkt. 25c
Miss Wilmott—Soft pink...............................................................Pkt. 25c
Orange King—Burnt orange............................................................Pkt. 25c
Orange Queen—G Reply Yellow.....................................................Pkt. 25c
Pink Profusion—(New.) Delicate shrimp pink................................Pkt. 25c
Purity—Beautiful white.................................................................Pkt. 25c
Rose Queen—Striking bright rose...................................................Pkt. 25c
Scarlet Gem—Gloving scarlet.........................................................Pkt. 25c
Collection 47—F—One packet each of the above ten named varieties, $2.00.
California Mammoth Mixed—Fine mixture of all colors. Pkt. 25c, ½ oz. 95c.

A & M Dahlia Flowered Zinnia

GIANT DOUBLE STRAIN

This strain is offered in several colors. The individual blooms do not grow so large as the dahlia flowered type, but they make a very attractive display and the plants are in continuous flower from late spring until well into the fall. All colors mixed—Pkt. 10c, ¼ oz. 40c.

GIANT PICOTEE ZINNIA

This very attractive novelty has taken well among the flower fanciers. The bronze, yellow, pink and crimson shades are well marked with Gold Picotee on the edge of petals. Pkt. 25c.
Picotee Golden Pheasant—A new variety. A golden color with edges marked in an attractive shade of bronze; 2 to 3 feet high. Pkt. 25c.

CURLING AND CURLED

The flowers of this variety are medium sized and the petals are curled, crested and twisted. A novelty well growing. The mixture of colors is especially pleasing. Pkt. 10c.

ZINNIAS—Continued
ZINNIAS—Continued

Small Flowered Zinnias
A & M LILLIPUT OR POM PON

Pom Pon Zinnias have deservedly become extremely popular in recent times. The compact bushes grow two feet high and are profusely covered by dainty double flowers on long stems. Makes a wonderful cut flower and compares favorably with the Pom Pon Dahlia for sheer dazzling effect when set in large bowls.

- **Canary Yellow**—Primrose yellow. Pkt. 25c
- **Crimson Gem**—Dark crimson. Pkt. 25c
- **Golden Gem**—Golden yellow. Pkt. 25c
- **Purple**—Deep purple. Pkt. 25c
- **Salmon Rose**—Florists favorite. Pkt. 25c
- **Scarlet Gem** (Red Ridinghood)—Bright red. Pkt. 25c
- **White Gem**—Pure White. Pkt. 25c
- **Pom Pon Mixed**—Containing all the colors. Pkt. 25c

Vi Oz. 50c
Collection 50-F—One packet each of the seven above named varieties, $1.35.

HAAGAENA

Of new introduction, dwarf, the plant carrying small, prettily marked flowers. A variety when better known will have a big demand. Pkt. 25c.

PUMILA PICOTEE DELIGHT

Mixed—New type of Zinnia. The petals are ruffled and curled and a large percentage are gold tipped or picoteed. Splendid for bedding or for cut flower. Height 1½-2 feet. Pkt. 25c.

Medium Flowered Zinnia
ELEGANS BEDDING ZINNIA

This variety is the most uniform in size of flower and plant. The flowers measure about 2 inches across, have long stems and for bouquets and vase work are both graceful and attractive. Height 2 feet.

- **Canary Yellow**—Bright primrose. Pkt. 10c
- **Crimson**—Glowing deep red. Pkt. 10c
- **Fireball**—Orange scarlet. Pkt. 10c
- **Flesh Pink**—Soft pale pink. Pkt. 10c
- **Snowball**—Pure white. Pkt. 10c
- **Salmon Rose**—Beautiful pink. Pkt. 10c
- **Scarlet**—Bright color. Pkt. 10c
- **Violet**—Attractive shade. Pkt. 10c
- **Golden Yellow**—Deep yellow. Pkt. 10c
- **Dwarf Mixed**. Pkt. 10c
- **Tall Mixed**—Height 3 feet. Pkt. 10c

A & M CALIFORNIA WILD FLOWER MIXTURE

A splendid mixture of true California annual wild flowers so blended as to give a succession of bloom from early spring to mid-summer. All colors may be found in this mixture. For best results the seed should be sown in a prepared seed bed. They may be planted from fall to early spring—a longer bloom resulting from the fall planting.

If you have a piece of ground you cannot irrigate, or have not time to give particular attention, yet you want to have something beautiful instead of unsightly weeds, we advise you to plant our California Wild Flower Mixture. Five pounds of seed is sufficient to plant an acre. Pkt. 10c, ½ oz. Pkt. 25c, oz. 50c, ½ lb. $2.50.
TREE AND SHRUB SEEDS

Most tree seeds should be planted during the winter and early spring months. Pine and Conifer seeds in March and April. Sow in boxes of well drained soil and keep in a protected place. A lath house is the best. Water in the morning to prevent seedlings from "damping off." When about two inches high, pot up and grow in pots until large enough to set out.

ACACIA—Soak seed in hot water 12 hours before planting.
A. Baileyana—30 ft. The most popular. A fast grower with glaucous green foliage. Pkt. 10c, oz. 50c.
A. Cylindrica—"Knife-leaved" Acacia. A fine shrub with glaucous green leaves. Pkt. 10c, oz. 50c.
A. Decurrens—50 ft. "Green Wattle." A rapid grower, Can be used as windbreak and other ornamental uses. Pkt. 25c. Is rich in tannin. Pkt. 10c, oz. 75c.
A. Floribunda—30 ft. A pretty tree of pendulous habit, quick growth and constantly in bloom. Pkt. 15c, oz. 60c.
A. Latifolia—30 ft. "Golden Wattle." Ornamental to 20 ft. long and rather broad. Pkt. 10c, oz. 60c.
A. Melanoxylon—75 ft. A compact tree useful for street planting. Wood used in cabinet work. Pkt. 10c, oz. 75c.
A. Podalyriifolia—Beautiful shrub with masses of flowers. Pkt. 25c, oz. 1.00.
A. Saligna—Handsome glaucous green, pendulous tree. Hardy and drought resistant. Flowers very beautiful for cutting. Pkt. 15c, oz. 60c.
A. Verticillata—A low growing variety with narrow, needle-like leaves. Suitable for hedges. Covered in spring with golden flowers. Pkt. 25c, oz. $1.00.
A. (Albizia) Julibrissin—(Silk Tree) Beautiful Shade Tree with fern-like foliage. Covered in summer with feathery pink blossoms. Pkt. 10c, oz. 50c.
ARALIA PAPYRIFERA—(Rice Paper) A papyriform plant for tropical effects. Huge lobed leaves and umbels of white flowers make it a very valuable plant in landscape work. Pkt. 25c.
ARALIA SIEBOLDII—(Fatsia Japonica) Shrub with large glossy fig-like leaves and clusters of small white flowers followed by small black berries. Pkt. 25c.
ARBUTUS UNEDO—(Strawberry Tree)—10 ft. Evergreen shrub native to California Holly. Small white bell-shaped flowers followed by red strawberry-like fruits. In December. Pkt. 10c, oz. 60c.
BAUHINIA PURPUREA—(Mountain ebony, Coral Tree) A rare and beautiful evergreen tree of medium size. Flowers are huge and range from white to purple. Pkt. 15c.
BERBERIS AQUIFOLIUM—(Oregon Grape) Graceful, ornamental shrub with beautiful holly-like foliage and racemes of golden yellow flowers, followed by purplish berries. Pkt. 15c, oz. 75c.
BERBERIS DARWINII—Very ornamental dwarf shrub with small holly-like foliage which turns red in winter. Shrub form with evergreen leaves covered by purple berries. Pkt. 25c.
BORONIA MEGASTIGMA—Small Australian shrub with richly scented flowers; sweet scented. Pkt. 25c.
CALLISTEMON RIGIDUS—("Bottle Brush") A fast growing, attractive shrub with drooping branchlets. The leaves are narrow, pointed and rigid. Flowers in spikes of red and orange. Pkt. 15c, oz. 50c.
CAMPHORA OFFICINALIS—"Camphor Tree"—One of the most attractive trees. Horizontal spreading branches and flat foliage of soft gray color. Hardy except in dry interior. Pkt. 15c, oz. 60c.
CHAMAECYPARIS LAWSONI (Lawson Cypress)—A spreading shrub with holly-like foliage and small pea-shaped, orange-scarlet flowers. Blooms in winter and early spring. 100 seeds 30c.
COPROSMA BAUERI—A very popular, low-growing shrub. Can be easily pruned to shape. Bright green leaves used a great deal in mass against porches and walls. Pkt. 15c, oz. $1.00.
CORONILLA GLACIA—A small evergreen shrub with glaucous foliage and yellow berries. Pkt. 10c, oz. $1.00. Sow during late winter.
COTONEASTER ANGUSTIFOLIA—(Pyracantha) Spinescent shrub, 10 ft. Bears orange yellow berries in abundance throughout the winter. Pkt. 10c, oz. 75c.
COTONEASTER PANNOSA—Shrub of upright growth, small branches drooping. Bears deciduous, globular berries. White flowers followed by red berries in the fall. Pkt. 10c, oz. 65c.
CRATAEGUS CRENLATA—A shrub with small leaves and red berries. Pkt. 10c.
CRATAEGUS PYRACANTHA—(Coccinea)—A thorny, thicket shrub with small leaves. The white flowers are followed by orange scarlet berries. A very effective shrub for making the plant beautiful during the winter. Pkt. 10c.
CRATAEGUS YUANNANESIS—A low-growing, squatty variety coming from Japan. The berries turn very red and borne in great abundance. A handsome, rare variety. Pkt. 10c.
CRYPTOMERIA ELEGANS—"Italian Cypress." A narrow, tapering tree. Used in landscape gardening. Pkt. 10c, oz. 75c.
C. ARIZONICA—("Arizona Cypress")—One of the best cypress trees. Reaches 25 feet in height and is very hard and borne in great abundance. Has a slender, upright growth and will thrive in almost any soil, standing both heat and cold. Pkt. 10c, oz. 60c.
CYDONIA JAPONICA SANGUINEA—(Scarlet Flowering Quince)—Exquisite deciduous shrub bearing a profusion of scarlet flowers. Pkt. 15c, oz. $1.00.
DICRANOPHYLLON ERECTUM—Small shrub with fine feather-like foliage and dainty fragrant white flowers. Pkt. 10c.
DURANTA PLUMIERI (Golden Dewdrop)—Tall rapid growing shrub with lavender-blue flowers. Covered in winter and early spring by yellow berries. Dwarf resistant. Pkt. 10c, oz. 60c.
ERYTHRINA CHRISTA-GALLI—(Coral Tree)—Showy and beautiful shrub or small tree. Has large, showy, bottle-brush-like flowers of a brilliant crimson shade. Pkt. 10c, oz. 60c.
ESCALONIA MONTEVIDIENSIS—Attractive, evergreen, erect shrubs growing in almost any ordinary soil. Of very free flowering habit. White flowers in loose terminal clusters. Pkt. 15c, 1-16 oz. 1.00.
EUCALYPTUS—Should be sown in June or July in thoroughly prepared soil. A blanket of clover or buckwheat should be kept moist at all times and watered only with a very fine spray. When seedlings are 3 inches high give a good soaking in the morning to prevent damping off. The seedlings should be transplanted when 4 to 6 inches tall in drills or small pots, and should be ready to set out in 12 to 18 months. Each pound produces about 22,000 seedlings. E. Citriodora (Lemon Gum)—Tall slender tree with feathery leaves and a bluish bloom. Pkt. 15c, oz. $1.00. E. Synolyca (Australian Gum)—Tall, broad, pyramidal. Pkt. 15c, oz. 1.00. This variety is the most drought resistant of all, but will not stand much frost. Wood hard. Pkt. 15c, oz. 1.00.
E. Plicifolia—"Scarlet Flowering Gum." The best of the red flowering varieties. 25 seeds 25c.
JUNIPERUS—Red Cedar.

VIRGINIA N A

GUAVA STRAWBERRY (Psidium Cattleyanum)—Fine glossy-leaved shrub, bearing masses of delicate pink flowers which contrast with the dense silvery-gray foliage.  Pkt. 15c., oz. $1.00.

E. Vilmoriniana—"Australian Pepper)—Similar to preceding, with small white flowers followed by bright red berries.  Pkt. 10c., oz. 50c.

E. Pseudocanaliculata (Black Locust)—Handsome small tree which may also be used for hedges.  Deep green, glossy leaves, and small white flowers.  Pkt. 15c., oz. $1.00.

E. Rostrata—"Red Gum." A very tall growing evergreen tree, 80-100 feet tall.  Has thick glossy leaves and waxy white flowers borne in great profusion. An evergreen shrub.  Pkt. 10c., oz. 50c., lb. $1.50.

L. NAPALENSIS—"A small pyramidal tree with oval leaves and pale creamy flowers—3 to 4 inches across.  Pkt. 25c.

L. LAEVIGATUM—"A small tree for street planting.  Flowers grow in panicles.  Pkt. 10c., oz. 20c., lb. $2.50.

Pittosporum Crassifolium—"A tall growing evergreen shrub with compact growth and red flowers.  Pkt. 15c.

Pittosporum Eucnoides—A large shrub with attractive glossy green leaves and dark green stems. Used for specimen plants or hedges.  Pkt. 15c.

Pittosporum Tobira—A low-growing evergreen shrub, 2 to 3 feet high, with dark green foliage and small white flowers.  Pkt. 10c., oz. 50c.

Pittosporum Undulatum—"(Wavy Leaves)—A fine shrub or small tree which may also be used for hedges.  Deep green, glossy leaves, and white flowers.  Pkt. 15c., oz. $1.00.

Pittosporum Vividiflorum—A shrub with shiny green leaves and green flowers followed by red berries during the fall.  Fast growing.  Pkt. 25c.

Plumago Capensis—A spreading shrub with small white flowers and green foliage. Flowers pale blue, phlox-like in shape.  Pkt. 15c.

Pomegranate, Dwarf—Sm a l l branching shrub 2 to 3 feet. Small followed by large berries in shades of red.  Fine for pot plant.  Pkt. 15c., oz. $1.50.

Prunus Carolina (Carolina Cherry)—Excellent glossy leaves evergreen.  16 feet. Does best near coast.  Pkt. 10c., oz. 50c.

Prunus Illicifolia (California Cherry)—A shrub with holly-like leaves.  Very showy.  Pkt. 10c., oz. 25c., lb. $2.50.

Quercus Agrifolia (California Live Oak)—Long narrow bright green leaves.  Most valuable shrubs for California.  Pkt. 20c., oz. $1.75.

Raphiolepis Japonica—Compact dwarf shrub 2½ to 4 feet.  White flowers followed by yellow berries in the autumn.  Hardy.  Oz. 30c., lb. $3.00.

Rhamnus Californica (Wild Coffee)—Attractive dense shrub with waxy green leaves.  Flowers creamy-white, followed by large berries in shades of yellow to purple.  Oz. 40c., lb. $4.00.

Rhamnus Illicifolium—Leaves similar in form to Prunus Illicifolia followed by red berries.  Pkt. 10c., oz. 50c.

Robinia pseudacacia (Black Locust)—A deciduous tree of rapid growth, Drought resistant and much used in arid sections of the West.  Handsome foliage.  Pkt. 10c., oz. 30c.

S. MOLLE—"Pepper Tree." A rapidly growing deciduous tree with red foliage and red berries.  Pkt. 15c., oz. 25c.

S. Terebinthifolius—A rapid grower, but has larger and longer leaves. Thrives anywhere.  Pkt. 10c., oz. 50c.

Sequoiadendron giganteum (redwood)—A fast growing native tree with reddish colored wood.  Ornamental.  Pkt. 15c.

Sollya heterophylla—"Australian Blue Bell." A hardy evergreen climber or shrub, producing many brilliant blue bell shaped flowers.  Will grow in partial shade.  Pkt. 15c.
**Cannas**

The large, handsome, ornamental foliage and beautiful spikes of bright flowers make the cannas ideal for mass plantings, backgrounds, borders and foundations. They may now be obtained in heights varying from 2 to 6 feet, and in colors of rose, red, orange, to pure white. All require at all times plenty of moisture. 

### Scarlet and Gold

**Duca De Otranto**—A very lovely lily-shaped variety of golden orange, which changes to a glowing carmine. An interesting and wonderfully effective canna to grow. Green leaves. Four to five feet high. 15c each, $1.50 doz., $7.00 per 100.

**Panama**—Large flowers with big rounded petals of strong terra cotta red color. The throat and edges of the petals are spotted with golden yellow. Leaves green. 10c each, $1.00 doz., $6.00 per 100.

### Pink

**Hungaria**—A fine, clear pink. Flowers large with rounded petals. Dwarf, luxuriant, green foliage. Two to three feet high. 25c each, $2.50 per doz.

**Wabash**—Large fine flowers, borne many in a truss, in color salmon-pink. Rich bronze foliage. Height four feet. 25c each, $2.50 per doz.

### Yellow

**Gold Bird**—In color a clear lemon yellow. The flowers are often 5 inches across, the petals being broad and rounded. Excellent green foliage. Three to four feet high. 15c each, $1.50 per doz., $7.00 per 100.

**King Humbert**—Immense orchid flowers of brilliant orange red often streaked with gold. Sturdy bronze foliage. Four to five feet high. 20c each, $2.00 per doz., $8.25 per 100.

**Alphonse**—Beautiful deep red flower with vigorous dark green foliage. 15c each, $1.50 per doz., $7.00 per 100.

### Red

The President—Glowing scarlet flowers of immense size and altogether a beautiful variety. Green foliage. 4 feet high. 20c each, $2.00 per doz., $8.25 per 100.

**Colossal**—Luxuriant foliage of rich red. Height six feet. The flowers are a bright, rich red and the largest of all. 15c each, $1.50 per doz., $7.00 per 100.

**Erythrea Armata**—Blue Fan Palm.” A slow growing hardy palm, fine for lawns. Leaves a dark blue-green. 15c each, 100 seeds $1.20.

**Phoenix Reclinata**—Graceful palm flowered. A giant of the canna family. 30c each, 100 seeds $1.00.

**Washington Robusta**—A hardy Fan Palm. Leaves dark green without any threads. Pkt. 10c, oz. 30c.

**Seaforthia Elegans**—One of the most beautiful for conservatory or protected gardens. Quite hardy. 10 seeds 15c, 100 seeds $1.00.

### Orange

**Indiana**—A bright, vivid orange. Fine shaped flowers in large trusses. 4 feet to six feet high. 15c each, $1.50 per doz., $6.00 per 100.

**Wyoming**—A large, orchid flower of pure, rich orange. Handsome bronze leaves. Four feet high. 15c each, $1.50 per doz., $7.00 per 100.

### White

**Eureka**—Full trusses of large flowers, an almost pure white. Very fine grower; green leaves; four to five feet high. 25c each, $2.50 per doz., $9.50 per 100.
A & M Superfine Gladioli

Our Gladioli are grown on new, clean land each season thus eliminating any danger from fungus that might be carried over from year to year. As an additional safeguard the bulbs are treated in a disinfectant solution before planting. No flowers are cut for sale from our field and foliage to die down naturally more vitality returns to the bulb and it is superior in all respects. Gladioli should be planted about three inches deep in good soil, preferably in a sunny situation.

A & M Admiration (New Primulinus) —A sturdy grower carrying spikes of exquisite salmon pink with yellow throat. 15c each; $1.50 dozen.

Aida—Striking purple-blue with small reddish blotches on lower petals. Beautiful large flowers. 75c each.

Albatross—Unquestionably one of the finest and largest white Gladiolus yet introduced. Perfect spikes with flowers of wonderful substance. No markings in throat. $1.00 each.

Alice Tiplady (Primulinus) — Beautiful orange-saffron color. 10c each, 75c doz., $5.50 per 100.

Alton — Magnificent ruffled variety of finest orange color. 20c each, $2.00 dozen.

America — Soft lavender - pink. Very popular. 25c each, 60c doz., $4.50 per 100.

American Beauty — Brilliant American beauty color. Throat creamy yellow, striped ruby. 25c each, $2.50 dozen.

Athene — Deep salmon-rose-red; very distinct. 15c each, $1.50 dozen.

Autumn Queen — Cream-yellow suffused pink and striped carmine. 25c each, $2.50 per dozen.

Beulah—Medium sized flowers; well placed. Salmon pink, lower petal blotched primrose. 15c each, $1.50 dozen.

Buckeye—Massive blooms of rose-pink. 20c each, $2.00 per dozen.

Butterboy — Mertorius Primulinus. Large, buttercup-yellow flowers, nicely placed. Strong plant. 25c each, $2.50 doz.

Butterfly—A lovely ruffled Primulinus; salmon-yellow flaked and edged rose. 15c each, $1.50 per dozen.

A & M Camarillo Gem—A wonderful new seedling Primulinus with beautiful large salmon spikes. An extremely choice variety, highly recommended. 25c each, $2.50 per dozen.

Cardinal Prince—Splendid red; darker than Dr. Bennett. 25c each, $2.50 dozen.

A & M Charmaine—New seedling. Apricot pink with scarlet veining in throat. Stiff stem. Excellent landscape variety and admirable for bouquets. 20c each, $2.00 dozen.

C. F. Fairbanks — Very beautiful and distinct orange-red with crimson center. Remarkably long stems. 20c each, $2.00 per dozen.

Cynegea — Primulinus. Delicate flesh-pink splashed rose; yellow throat. 20c each, $2.00 per dozen.

Darling’s Beauty—Exquisite combination of yellow and pink hard to describe. Los Angeles florists are enthusiastic over this dainty variety which is offered for the first time. 35c each.

David Starr Jordan—Immensely spikes of flame color overlaid scarlet. Open flowers. 15c each, $1.50 per dozen, $10.00 per 100.

A & M Diadem—Distinctive form and dainty saffron pink color. A new seedling which was very outstanding in our trials, 15c each, $1.50 per dozen.

Dr. F. E. Bennett—Peerless flame scarlet variety with ruby throat. Flowers of good substance. Superior to Virginia. 15c each, $1.50 per dozen.

Dr. Van Fleet—Ornamental red rayed over yellow. 15c each, $1.50 per dozen.

Early Sunrise—Deep salmon, orange throat, very large flowers. 15c each, $1.50 per doz., $10.00 per 100.

E. B. Williamson—Good for landscaping; it stands erect. Mallow purple; Highly desirable for bouquets. 10c each, $1.00 per dozen, $7.00 per 100.

E. J. Shaylor—Deep rose pink. 10c each; 75c per dozen, $5.50 per 100.

Elf—Pure white with delicate lemon tip. 10c each, $1.00 dozen, $7.00 per 100.

Evelyn Kirtland—Coral pink. 10c each, 60c per dozen, $4.50 per 100.

A & M Flaming Spire—Beautiful new Primulinus variety of striking rose doree color shading to scarlet with veining of lighter blue and slightly oiled cream giving a feather-like appearance to petals. The spikes are long and graceful with medium sized flowers well placed. 30c each.

Gold Eagle—Deep rich yellow blooms daintily frilled, 25c each, $2.50 dozen.

Golden Dream—Deep gold yellow. One of the best clear yellow Gladiolus introduced. Very long, straight spike. 30c each, $3.00 per dozen.

Golden Measure—A large, clear, deep yellow. 15c each, $1.50 doz., $10.00 per 100.

Gretchen Zang—A soft pink blended with scarlet in throat. 10c each, 75c per dozen, $5.50 per 100.

Hailey—Salmon-pink. 10c each, 60c per dozen, $4.50 per 100.

Herada Mauve—10c each, $1.00 dozen, $7.00 per 100.

Jack London—Light salmon with vermilion stripes. Canary yellow throat with ruby stripes. A most beautiful color combination, good substance, tall erect spike. 10c each, 75c per dozen, $5.50 per 100.

Jewel—A wonderful pink salmon with clear, golden yellow throat marking. Vigorous plant and extremely graceful. 10c each, $1.00 per dozen, $7.00 per 100.

Joe Coleman—Large rich red. 20c each, $2.00 dozen.

Juno Delight—Exquisite geranium-red with deeper throat. 15c each, $1.50 dozen.

Karl Volkert—Magnificent flame-salmon with dash of yellow on lower petals. Many flowers open at same time on long spike. Wonderful introduction. 75c each.

Kriemhilde—Lilac-pink flower of noble form. Never has a crooked stalk. 50c ea.

Le Marchal Foch—Light pink. 10c each, $1.00 per dozen, $7.00 per 100.

Lilac Old Rose—Very charming color and good spike. 15c each, $1.50 dozen.

Los Angeles—Grenadine pink with considerable orange. Los Angeles is often referred to as the "Cut and Come Again" Gladiolus, because it produces many branches on one stalk. For commercial growers or for the home gardener we cannot recommend it too highly. 10c each, 75c per dozen, $5.50 per 100.

Maiden Blush (Primulinus)—Exquisite pink. 10c each, 60c dozen, $4.50 per 100.

Mrs. F. C. Peters—Lovely rose lilac with crimson blotch. 20c each, $2.00 dozen.

Mrs. Frank Pendleton—Rose pink, carmine blotch on lower petals. 10c each, 60c dozen, $4.50 per 100.

Mrs. Francis King—Bright red 15c each, $1.50 per dozen, $10.00 per 100.
Mrs. Leon Douglas—Immense begonia rose flower striped with flame and brilliant scarlet. Lip pale lemon, slightly speckled with ruby. A giant among Gladioli. 15c each; $1.50 dozen.

Mrs. Von Konynenburg—Matchless aniline-blue. Fine, healthy grower. 35c each.

Myra—Giant-flowered Primulinus, Deep salmon over yellow. 15c each; $1.50 per dozen.

Myrtle—Very delicate pink. Fine for florists. 10c each, 75c dozen, $4.50 per 100.

Nightingale—Beautiful primulinus type of exquisite peach pink color. 20c each, $2.00 dozen.

1910 Rose—Pure deep rose pink with white center lines on lower petals. Strong grower, early and a good cut flower. 10c each, 60c dozen, $4.50 per 100.

Odin—Large salmon flowers with dark blotch. 25c each, $2.50 dozen.

Orange Queen—Exceptional Primulinus variety with superb spikes of distinct glowing apricot orange color. Very striking. 25c each, $2.50 per dozen.

Pasadena—Large flowers slightly ruffled, white with blood red edging, long straight spike. 10c each, $1.00 per 100.

Peep-o-Day—Tall. Pretty blushed pink on white ground. Resembles Early Sunrise. 15c each, $1.50 dozen.

Pfitzer's Triumph—Bright salmon-orange with small red blotch. Mammoth flowers; a sensation wherever grown. 15c each.

Prince of Wales—A clear, delicate salmon pink. The finest of this color and one that we highly recommend. An early variety and very popular for cutting. 10c each, 60c dozen, $4.50 per 100.

THE SEVENTH ANNUAL SHOW OF THE CALIFORNIA GLADIOLUS SOCIETY will be held at the BILTMORE HOTEL, LOS ANGELES, on JUNE 18 and 19, 1931
TIGRIDIA PAVONIA (Shell Lily)

Tigridias are closely related to the Iris. They are very attractive and interesting and bloom over a long period.

The Pavonia variety is a bright scarlet spotted with orange. 25c each, $2.00 dozen.

CALADIUM (Elephant Ear)

A semi-aquatic plant, requiring a warm location and plenty of water. They may be kept growing throughout the year in most localities in this state, but should they be frosted down they will soon make new growth. The large leaves are very ornamental. On sale January to April. 25c each.

PINK BABY CALLA

(New.) Grows to a height of about 18 inches. The flowers are miniature Callas being 1 1/2 to 2 inches across and of a pretty rose shade. They grow nicely out of doors in Southern California or they may be used as a pot plant. 75c each, 5 for $3.00.

TUBEROSES

Mexican Everblooming

The most fragrant of all tuberoses and a wonderful bloomer. Flowers are pure white and clustered from six to a dozen on stiff stems, making them excellent for cut flowers. The bulbs of these multiply from year to year, producing great masses which should be separated and transplanted every three years. They are very hardy and will grow and bloom in the warm inland valleys equally as well as on the coast. A dozen bulbs will plant a row six feet long. 10c each, 75c dozen.

Excelsior Double Pearl—This variety is grown largely for its individual flowers which are large and double. The spikes are dwarf and full flowered. The culture is the same as for the Mexican variety. 10c each, $1.00 per dozen.

ZEPHYRANTHES

Fairy Lilies

Candida—Beautiful white flowers and attractive foliage, making it a very desirable plant for borders and beds. Height about 1 foot. Long blooming season. Bulbs multiply rapidly. 75c dozen, 100 for $5.00.

LILIES

Lilies should be planted eight to ten inches deep in soil which has been mixed with well rotted manure and sand, and they should not be disturbed. If planted in pots, observe same conditions, only covering to a depth of one inch. The pots should be plunged in soil and not watered until growth appears. On sale January to March.

Lilium Rubrum

"Red Japan Lily"—Flowers white, shaded and spotted with crimson, very fragrant. One of the best for cut flowers as the flowers do not all open at once. 35c each, $3.50 doz.

Lilium Tigrinum

This is the lovely Tiger Lily bearing handsome orange salmon flowers spotted black. It is a good pot or garden variety, a free bloomer, and grows very tall. 35c each, $3.50 doz.

Lilium Speciosum Album

A golden snow-white flower with a golden green stripe in the center of the petals and anthers of bronze color. 35c each, $3.50 doz.

Lilium Henryi

Very tall growing Lily with fine foliage. When well established it bears more than twenty flowers of deep orange-yellow. Plant 10 inches deep and shelter from wind. 35c each, $3.50 per doz.

Lilium Auratum

Gold Banded Lily of Japan. Flowers white, spotted crimson, with pure gold hand running through center of each petal. Very fragrant and most beautiful of all Japanese lilies. 35c each, $3.50 doz.
A & M DECORATIVE DAHLIAS

The Decorative type of Dahlia is a large double flower, full to the center. Broad, flat petals with broad points or rounded tips. They flower freely on long stems and are a very popular type.

Each

70 Abdilah—Very distinctive flowers of deep velvety ox-blood red. The stems are good and it is a long keeper. In all respects this is a magnificent Dahlia $5.00

71 Attila—Deep maroon—almost black .50

81 Avalon—Large clear yellow .50

312 Black Jack—Extremely large flowers of deepest maroon. Tall, vigorous plants and strong, straight stems 1.00

51 Bronze Beauty—Exceptionally fine variety, offered for the first time. Very large handsome flowers of golden bronze 5.00

226 Charm—A pleasing combination of burnt orange shading to a beautiful yellow 1.00

72 Couronne d’Or—Old gold with old rose reverse. Very long and stiff stems, Extra long keeper 1.00

107 Dr. Tevis—A beautiful shade of salmon rose, suffused with old gold shading to a golden apricot. A wonderful dahlia with long, stiff stems .50

105 Earl Williams—White tipped crimson—a very striking combination of colors. An exceptional flower 1.00

314 Eleanor Vanderveer—Flower of exquisite beauty and great size in a sathy rose pink. One of the best .75

ORDER EARLY

Dahlia bulbs are ready for shipment about March 1st. You may include them in your order for seeds and they will be sent when ready. We do not advise ordering these after May 15th.

Our offerings of Dahlias are only those varieties which we have found to be entirely satisfactory to planters in general. There are hundreds of worthless varieties with which the amateur is not familiar, and would consequently have more difficulty in choosing properly if they were included among the listings.

DAHLIA CULTURE

A bulletin on Dahlia Culture will be mailed free upon request and will be included with each order of Dahlias.

Each

313 Empress Eugenia—Beautiful Rosaline purple .75

100 Faith of God—Lovely rose-pink dahlia of immense size and good depth; straight stiff stems 1.00

300 Flaming Meteor—Flame scarlet and orange buff. Center petals pointed in sunburst effect, outer petals flat. A prize winner wherever shown 1.00

112 Halvella—A charming novelty of old rose pink with a golden sheen, on long, stiff stems .50

73 Islam Patrol—Deep scarlet tipped and flushed gold. One of the most striking Dahlias grown. Good keeper 1.50

76 Jane Cowl—Immense glistening bronze and old gold. Very graceful flower on good strong stem. An exhibition variety 3.50

74 Jean Kerr—Pure white .50

212 Jersey’s Beauty—This dahlia is one of our outstanding offers. It is one of the most perfect dahlias in existence. The blooms are of perfect form and the color is a very pleasing rose pink, carried on long and exceptionally strong, wiry stems. If you grow no other dahlia our recommendation would be to by all means plant one of these .75

83 Jersey’s Beacon—Very vigorous, and a free and early bloomer. Brilliant scarlet with buff reflex 1.00

316 Jersey’s Jewel—Mallow pink, very large, long petaled, flowered on good stems. A splendid exhibition variety .75

75 Lord Byron—Chrome yellow shading to deeper center. The petals roll back towards the stem. The flowers stand on top of very erect and long stems 2.50

122 M. H. DeYoung—Pure old gold, the best of its color. The large flowers are held high on absolutely stiff stems. Fine for exhibition and cutting 3.00

56 Miss California—Very long stemmed variety with perfectly formed blooms, and an excellent keeper. Handsome new color known as oriental fuschia 2.00

320 Mr. H. C. Dressethuys—Fine pink. Blooms more freely than Delice .50

123 Mr. Crowley—A brilliant glowing salmon pink, shading to yellow at the base of petals; the habit is dwarf. The medium size flowers are held erect on strong stems 1.00

125 Mrs. Carl Salsbach—Mauve, or lilac pink. A popular variety with long stems, much used for decorative work .50

126 Mrs. I. de Ver Warner—Deep mauve pink. One of the best .50

87 Orange Boven—Attractive shade of fiery orange scarlet. The flowers are large and double with full centers. Fine florists’ variety .50

88 Pink Champagne—This splendid variety is similar in many respects to Champagne Dahlia except that the color is a delightful light lavender pink. .1.50

130 Pink Madonna—A deep silvery pink, flowers growing in abundance on good stiff stems. A fine cut flower .25

124 Polar Snow—Full deep pure white blossoms on stiff stems. Should be included in every dahlia collection 1.00

DAHLIAS—Continued
### A & M Dahlias--Continued

<table>
<thead>
<tr>
<th>Variety</th>
<th>Description</th>
<th>Price</th>
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<tbody>
<tr>
<td>Robert Treat</td>
<td>Strong growing variety of spreading habit. Bright American Beauty color. A real acquisition to any collection</td>
<td>.75</td>
</tr>
<tr>
<td>Ross Nell</td>
<td>A popular variety, pure bright rose in color. A strong grower with long stems</td>
<td>.50</td>
</tr>
<tr>
<td>Rose Glory (new)</td>
<td>The flowers of this wonderful variety stand on top of the stems and are of an exquisite self American Beauty rose color. It is a good keeper and very popular with florists</td>
<td>5.00</td>
</tr>
<tr>
<td>Trentonian</td>
<td>A giant flower; splendid for exhibition purposes. Brilliant combination of color from old gold to reddish bronze</td>
<td>.75</td>
</tr>
<tr>
<td>Tommy Atkins</td>
<td>Flaming scarlet with a metallic lustre that fairly glitters. A marvelous dahlia</td>
<td>1.00</td>
</tr>
<tr>
<td>T. A. Leonard</td>
<td>A vivid crimson variety, popular both for its color and vigorous growth</td>
<td>.75</td>
</tr>
<tr>
<td>W. E. Cooper</td>
<td>One of the best true pink decorative dahlias in cultivation. Good stem and large flower</td>
<td>.75</td>
</tr>
<tr>
<td>World's Best White</td>
<td>Pure glistening white, very large flowers</td>
<td>1.00</td>
</tr>
</tbody>
</table>

### A & M Cactus & Hybrid Cactus Dahlias

The true Cactus type flowers are fully double, petals long, narrow, incurved or twisted, with sharp, divided or fluted points.

The Hybrid Cactus type flowers are fully double but the petals are shorter than those of the true Cactus type and are broader and more flat, though recurved and twisted. The stems of this type are usually strong and the plants prolific bloomers.

<table>
<thead>
<tr>
<th>Variety</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>California Beauty</td>
<td>A popular variety, both for its attractive amber copper color and for its excellent habit of growth</td>
<td>.50</td>
</tr>
<tr>
<td>Cigarette</td>
<td>Base of petals orange red, white tips. Very attractive</td>
<td>.75</td>
</tr>
</tbody>
</table>

### A & M Pom Pom Dahlias

<table>
<thead>
<tr>
<th>Variety</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Daddy Butler</td>
<td>A beautifully formed dahlia of rosy carmine. The twisted petals showing a lighter reverse. Good stem</td>
<td>.75</td>
</tr>
<tr>
<td>Emma Marie</td>
<td>A delicate rose pink shading to a white center. A marvelous flower and should become exceptionally popular</td>
<td>.75</td>
</tr>
<tr>
<td>Exquisite</td>
<td>Elegant salmon-pink with yellow center.</td>
<td>.75</td>
</tr>
<tr>
<td>Guardian</td>
<td>Pleasing color of glowing crimson scarlet. Perfect stem</td>
<td>.75</td>
</tr>
<tr>
<td>Golden West</td>
<td>This magnificent, large flowering dahlia has been on the market long enough to be well known and the bulbs sell readily. The color is a yellow and orange buff. The flowers are very double and the stems are good</td>
<td>.35</td>
</tr>
<tr>
<td>Helium</td>
<td>Brilliant combination of orange over chrome yellow very prolific. Long stiff stems</td>
<td>.50</td>
</tr>
<tr>
<td>Inkyo</td>
<td>Very vigorous grower. Flowers are a deep maroon with stout stems</td>
<td>1.00</td>
</tr>
<tr>
<td>Mahogany</td>
<td>Deep rich red hybrid cactus. Always popular</td>
<td>.75</td>
</tr>
<tr>
<td>Mariposa</td>
<td>Delightful shade of pink intensified by a deeper center with a trace of violet. Perfect form</td>
<td>1.00</td>
</tr>
<tr>
<td>Orange Gold</td>
<td>Hy. Cac. Exceedingly fine cut flower variety of a rich light orange; nicely stemmed</td>
<td>1.00</td>
</tr>
<tr>
<td>Primrose Dame</td>
<td>Primrose yellow overlaid with pink. One of the new cut flower varieties</td>
<td>.35</td>
</tr>
<tr>
<td>Princess Pat</td>
<td>Exquisite shade of Old Rose tinted buff. Flowers are large and of perfect form</td>
<td>.50</td>
</tr>
</tbody>
</table>
A & M POMPON DAHLIAS

These are the babies in the Dahlia world. Pretty, compact flowers of the show type are borne on long, stiff stems—making a most wonderful display of color in garden. They are very fine for house decoration and the flowers will hold up a long time in water without browning or burning the stems. No garden in California should be without Pompons—they are so different and so dainty.

<table>
<thead>
<tr>
<th>Variety</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dee Dee—Pure lilac</td>
<td>$0.50</td>
</tr>
<tr>
<td>Anna Von Schwerin—True pink</td>
<td>$0.75</td>
</tr>
<tr>
<td>Almee—Bronze</td>
<td>$1.00</td>
</tr>
<tr>
<td>Amber Queen—Amber shaded apricot</td>
<td>$1.00</td>
</tr>
<tr>
<td>Augusta Pape—Miniature hy. cactus. Coral pink</td>
<td>$1.00</td>
</tr>
<tr>
<td>Ariel—Large buff</td>
<td>$1.50</td>
</tr>
<tr>
<td>Bobbiniette—Light rose pink tipped deep purple</td>
<td>$2.00</td>
</tr>
<tr>
<td>Challenge—Dark red</td>
<td>$2.50</td>
</tr>
<tr>
<td>Clarissa—Primrose yellow</td>
<td>$3.00</td>
</tr>
<tr>
<td>Dandy—Perfect orange</td>
<td>$3.50</td>
</tr>
<tr>
<td>Darkest of All—Almost black</td>
<td>$4.00</td>
</tr>
<tr>
<td>Darkness—Deep maroon</td>
<td>$4.50</td>
</tr>
<tr>
<td>Dee Dee—Pure ilac</td>
<td>$5.00</td>
</tr>
<tr>
<td>Delicacy—Light silvery phlox purple</td>
<td>$5.00</td>
</tr>
<tr>
<td>Dewdrop—White tipped lavender</td>
<td>$5.00</td>
</tr>
<tr>
<td>Irene—A miniature decorative rose</td>
<td>$5.50</td>
</tr>
<tr>
<td>Jewellisme—Miniature decorative, of light pink</td>
<td>$6.00</td>
</tr>
<tr>
<td>Joe Fette—Fine form. Pure white</td>
<td>$6.50</td>
</tr>
<tr>
<td>Little Beauty—Pure pink</td>
<td>$7.00</td>
</tr>
<tr>
<td>Little David—Deepest orange, very free flowering</td>
<td>$7.50</td>
</tr>
<tr>
<td>Nelly Fraser—White ground, tipped rose</td>
<td>$8.00</td>
</tr>
<tr>
<td>Scarlet Gem—Fine scarlet</td>
<td>$8.50</td>
</tr>
<tr>
<td>Tommy Keith—Red tipped white</td>
<td>$9.00</td>
</tr>
<tr>
<td>Vivid—Bright scarlet</td>
<td>$9.50</td>
</tr>
<tr>
<td>Yellow Gem—(New). Pure yellow</td>
<td>$10.00</td>
</tr>
</tbody>
</table>

A & M SHOW DAHLIAS

Show Dahlias are round and compact forming a ball in appearance; the petals are quilled giving the flower the appearance of a large Pompon. The blossoms are usually held on long stiff stems—a very good cutting or garden show variety.

<table>
<thead>
<tr>
<th>Variety</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. D. Livoni—Very delightful pure pink</td>
<td>$1.50</td>
</tr>
<tr>
<td>B. P. O. E.—Elk’s purple. Very desirable color</td>
<td>$2.00</td>
</tr>
<tr>
<td>Bonny Blue—Very attractive shade of deep mauve</td>
<td>$2.50</td>
</tr>
<tr>
<td>George W. Gero—One of the new varieties. A beautiful clear rose pink</td>
<td>$3.00</td>
</tr>
<tr>
<td>Maude Adams—One of the most popular cutting varieties. White, faintly flushed pink</td>
<td>$3.50</td>
</tr>
<tr>
<td>Mrs. J. P. Smith—A very large striking cherry red flower of wonderful type and stems. One of the very finest shows</td>
<td>$4.00</td>
</tr>
<tr>
<td>American Beauty—Large blooms of exquisite wine color</td>
<td>$4.50</td>
</tr>
<tr>
<td>A &amp; M White—Perfectly quilled Dahlia of pure white. Large ball-shaped flower</td>
<td>$5.00</td>
</tr>
<tr>
<td>Gold Medal—A charming variety—good in every way. Orange edged with bright red</td>
<td>$5.50</td>
</tr>
</tbody>
</table>

A & M COLLARETTE DAHLIAS

Single open-centered flowers with a circle of smaller, narrower, usually different colored rays, forming a sort of collar between the large petals and the center.

<table>
<thead>
<tr>
<th>Variety</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ami Nonin—Deep rose, white collar; suffused rose</td>
<td>$1.00</td>
</tr>
<tr>
<td>Dora Fisher—Beautiful pink, white collar</td>
<td>$1.25</td>
</tr>
<tr>
<td>Fuga—Light red, white and red collar</td>
<td>$1.50</td>
</tr>
<tr>
<td>Geant de Lyon—Very large. Velvety maroon, white collar</td>
<td>$2.00</td>
</tr>
<tr>
<td>Mme. Gygax—Bright red, pale yellow collar</td>
<td>$2.50</td>
</tr>
</tbody>
</table>

A & M PEAONY DAHLIAS

This type of Dahlia has broad, long petals. The flowers are large and full, generally showing the yellow center. They are free blooming and very vigorous growers. Excellent for cutting.

<table>
<thead>
<tr>
<th>Variety</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alice Rockwood—Pleasing shade of old rose</td>
<td>$0.50</td>
</tr>
<tr>
<td>Amber Queen—Amber shaded apricot</td>
<td>$0.75</td>
</tr>
<tr>
<td>Augusta Pape—Miniature hy. cactus. Coral pink</td>
<td>$1.00</td>
</tr>
<tr>
<td>Ariel—Large buff</td>
<td>$1.25</td>
</tr>
<tr>
<td>Bobbiniette—Light rose pink tipped deep purple</td>
<td>$1.50</td>
</tr>
<tr>
<td>Challenge—Dark red</td>
<td>$2.00</td>
</tr>
<tr>
<td>Clarissa—Primrose yellow</td>
<td>$2.50</td>
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<tr>
<td>Dandy—Perfect orange</td>
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<td>Darkest of All—Almost black</td>
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<td>Delicacy—Light silvery phlox purple</td>
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<td>Tommy Keith—Red tipped white</td>
<td>$9.50</td>
</tr>
<tr>
<td>Vivid—Bright scarlet</td>
<td>$10.00</td>
</tr>
<tr>
<td>Yellow Gem—(New). Pure yellow</td>
<td>$10.50</td>
</tr>
</tbody>
</table>

Water Lilies and Aquatic Plants

Much charm is added to a garden in the acquisition of a water-lily pond. It is a simple matter to construct a pool which, once established, needs little attention beyond the ordinary care given a garden. We will gladly furnish gratis, upon request, a leaflet giving instructions how to build a pond and how to grow water-lilies.

LOTUS

Egyptian Lotus (Nelumbium Speciosum)—Originated in India and taken to the Valley of the Nile where it became the sacred flower of the Egyptians. The blossoms are rose color and possess a haunting fragrance. Tubers $3.50.

Marliacea Albida—Large and fragrant flowers of sparkling whiteness with yellow stamens and sepals flushed pink. Continuous bloomer. Each $1.50.

Marliacea Chromatella—Flowers bright carmine yellow and leaves deep green beautifully blotched with brown. Each $1.50.

Marliacea Carnea—Color a soft flesh pink. Splendid companion to next variety, which it resembles. Each $1.50.


Masaniello—Novel coloring of rose-pink, dotted carmine with white sepals. The flower is very fragrant. Free grower, needing considerable room. Each $2.00.
WATER PLANTS—Continued

Mexicana—Handsome bright yellow flowers standing well above the water and very fragrant. Each $1.00.

Mrs. Richmond—This new variety has enormous floating cup-shaped, fragrant flowers, tender violet-rose, white sepals and yellow center. One of the most artistic varieties. Each $25.00.

Paul Herriot—Upon opening the first day the flowers are canary yellow, suffusing to pink on the third day. Each $2.50.

Pygmaea Helvola—Miniature yellow water lily. Very dainty sort for aquariums, tubs or shallow pools. Each $1.00.

Robinsonia—Distinct variety, the floating flowers having a ground color of yellow overtint with purplish red. Each $2.00.

Rose Arey—The flowers are large and deep cerise-pink in color. The pointed petals are curled giving a darker shading effect. One of the best of the odorata type. Each $2.50.


Somptuosa—A very large flower, almost double; outside petals rosy-pink, gradually deepening toward the center to nearly crimson. Each $2.50.

Sunrise—This rare variety has immense flowers averaging 10 inches across and is a consistent bloomer. Beautiful sulphur yellow blooms with huge green leaves mottled red. Each $5.00.

Tuberosa Richardson—Pure white and quite double. These huge flowers 8 inches in diameter are always admired. Each $2.00.


TROPICAL WATER LILIES

Daubeniana—Remarkable variety in that the young plants spring from the upper surface of the leaves. As the plants grow the old leaf dies and they become individual plants. The flowers are very light blue, delicately scented. Each $1.50.

Independence (Mrs. Sawyer)—A gorgeous tall petalled flower that opens earlier and closes later than any other day bloomer. It is deep pink in color and very free flowering. Each $5.00.

Mrs. W. C. Ward—A charming variety with petals of rich rose-pink illuminated by a mass of golden stamens. Each $2.50.

Ovalifolia—A large flowered variety of African origin. The flowers are pale—almost white—the first day, but shade a deeper blue with maturity. Free blooming and sweetly scented. Each $2.50.

Panama Pacific—An everblooming and strong growing variety. The buds are bronzy green opening a rich rosy red. A new and distinct color in Water Lilies. Each $4.00.

Pennsylvania—A beautiful lily of great merit. The flowers are large and of a rich azure blue. Each $5.00.

William Stone—Lovely star shaped purple flowers, 6 to 7 inches in diameter. Lasts a long time when cut. Each $2.50.

Zanzibarensls Azurea—Beautiful water lily, the flowers being large and of a clear azure blue. Each $2.50.

Zanzibarensls Purpurea—One of the best in this class. Rich, dark blue flowers are produced on long stems. Each $2.50.

Zanzibarensls Rosea—Similar to above. Color a deep rosy-pink. Each $1.50.

Zanzibarensls Rubra—Splendid variety bearing flowers of very bright rosy-crimson. A free bloomer. Each $3.00.

SUBMERGED OR OXYGENATING PLANTS

(Postage Extra)

These plants are essential to provide food, shelter and oxygen for the fish.

Anacharis—Bunch of 5 strands 15c.

Coon Tail—Bunch of 5 strands 15c.

Heteranthera—Bunch of 5 strands 15c.

Sagittaria—25c each, $2.00 doz.

Eel Grass—Long ribbon-like leaves. 15c each, $1.00 doz.

SHALLOW WATER PLANTS

(Postage Extra)

Arrowhead, Giant (Sagittaria sagittifolia)—Leaves shaped as name indicates and stand 1-3 feet above water. 25c each, $2.00 doz.

Cat-Tail (Typha latifolia)—A favorite native swamp plant. 25c each, $2.00 doz.

Azolla—Small crinkly green plants resembling floating leaves of arrow-leaf. Bunch 25c.

Four Leaf Water Clover (Marsillia quadridifolia)—A four leaf clover which forms a mosaic pattern on the surface. Bunch 25c.

Floating Heart (Nymphoides peltatum)—Brilliant yellow flowers. Will do well in water or on the border. 25c each, $2.00 dozen.

Primrose Creeper (Jussaria Repens)—A rapidly growing partially submerged vine with waxy leaves and bright yellow flowers. 6 for 50c.

Purple Water Hyacinth (Eichhornia Azurea)—A creeping plant without the floating bulbs of the ordinary Water Hyacinth. Handsome blooms. 50c ea., $5 doz.

Thalia (Dealbata)—A handsome canna-like aquatic standing 3 feet high. Purple blooms. 75c each.

Water Hyacinth—Hy a c h n i u s l i f e f l o w e r s . 10c each, $1.00 doz.

Yellow Flag (Iris Pseudacorus)—A rather tall plant with broad yellow flowers. 50c each.

African Snails—Large trap door snails. 5c each, $5.00 per 100.

Japanese Snails—Large trap door variety. 10c, 25c and 50c each, $10.00 for 100.

Black Ramshorn Snails—Black, medium sized snail. 5c each, $5.00 per 100.

Water Hyacinths and Arrowhead Each 50c.

Water Poppy (Hydrocleys nymphoides)—Large yellow poppy-like flowers. Continuous bloomer. 10c each, $1.00 doz.

BEGINNER’S COLLECTION

This is a well-balanced collection, especially selected for those starting a new pool.

1 Marliacea Carnea—Pink …… $1.50
1 Marliacea Chromatella—Yellow 1.50
1 Anacharis Glass—25
1 Iris Pseudacorus—50
1 Water Hyacinth—10
1 bunch Coon Tail—15
1 bunch Anacharis—15
12 Snails—60

Postpaid $3.86 $4.75

Water Scavengers—Large, trap door variety. 10c, 25c and 50c each, $10.00 for 100.

African Snails—Paper shell snails—medium sized snail. 5c each, $5.00 per 100.

Water Hyacinth and Arrowhead Each 50c.

Water Poppy (Hydrocleys nymphoides)—Large yellow poppy-like flowers. Continuous bloomer. 10c each, $1.00 doz.
Chrysanthemum Plants

No garden should be without a bountiful supply of this universal favorite, furnishing as it does a profuse array of color when other flowers are scarce. It is not satisfactory to leave old plants of Chrysanthemums year after year, and it is advisable to introduce fresh stocks propagated from the new growth from old clumps left over from the year before. Young plants should be set out any time from April to the middle of June, in a sunny open place well fertilized. Plant about 15 inches apart in the row and 2½ feet between the rows. When the plants are 4 to 6 inches high pinch out the tops. Later select the best and strongest shoots, perhaps two of them, removing all others. These will supply two good flowers to each plant; however, you may leave more shoots for more flowers, but they will be smaller. Water above buds each week. Following each irrigation with thorough cultivation. Sprinkling occasionally will help prevent Red Spider and stimulate growth. Spray occasionally with Acme Bordeaux Mixture. Spray as often as it is necessary to keep the plants clean. The varieties we offer are all strong, well rooted plants, propagated from cuttings.

PRICES—All plants listed are 20c each, $2.00 per doz., one variety, postpaid. No plants are shipped out before the end of March.

Novelties

Cream Spider—A very fine spider-like flower. Cream colored, flushed with pink. Easily grown and large flowered without disbudding.

Jiu Jitsu—The jester of the field, dressing half in white and half in pink. A good producer and splendid for bouquets and baskets.

Onich Plume—Large, white, with long thread-like petals.

Marvellous flower.

Bronze Petaula — A quilled like bronze that produces a spindly-like flower.

Red Spider—Beautiful red spidery flowers.

White Thread—Very interesting. Splendid for bouquets and baskets.

Collection—Set of the above 6 varieties, $1.10.

Standard Varieties

Appleton—Large yellow incurve.

Black Hawk—Dark, crimson scarlet A fine red for all purposes. Semi-dwarf.

Benaflon — A yellow of strong standing that everyone has learned to love.

Chrysloria—Best yellow for early October. Fine incurved form with perfect stem and foliage.

Golden Glow—A bright yellow with good stem and foliage.

Elaine—Carry in this class.

Golden Queen—A bright yellow of perfect incurved form.

Harvard—A very dark crimson of reflexed form.

Jeanne Nonin—Fine, white incurve. Late November and December flowers.

Lady Houpetaou—A fine mid-season pink.

Lady Pockets — An Australian variety that gives white flowers from early buds and pink tinge from late buds.

Mika—Deep bronze; late.


Roman Gold—Intense yellow with perfect stem and foliage.

Silver Weidt—Intense yellow and white reflex.

Smith’s Sensation—Delicate cameo incurve.

T. Harrington—A large show flower of reddish violet with lighter reverse. Reflexed. When not disbudded makes an immense bush.

Thanksgiving Queen—Somewhat creamy.

Yellow Pocket—Beautiful incurved late yellow.

Yellow Tiger—A yellow that does not require intense cultivation.

Collection—One each of 12 popular sorts. $2.15.

Anemone Type

Bronze Brilliant—A vivid orange flower. A popularly favorite.

Chesnut—Tan colored. Matures early November.

Cupid’s Perfection—Four rows petals—small yellow cushion. Matures for Thanksgiving.

Elizabeth McDowell—Bright orange-bronze that improves under artificial light.

Gladys Duckham—One of the largest whites.

Idea Catherine Skiff—Brilliant bronze-amber. Fine for cutting.

Louisiana Mammoth—A large flower. Blooms early in October for six weeks.

Richard Delafield — Deep terra cotta with scarlet points.

Collection—Set of 8 varieties, $1.45.

Large Japanese Anemone

Graf Von Fleming—Very beautiful clear lavender.

Mrs. Owen Winston—Brilliant yellow. Orange center. Good market variety.

Sunshine—The best of the late yellows.

Yellow Prince—Maize yellow, with orange cushion. Very fine.

Single Type

Anne—True single. One row of white petals. Strongly in basket work.

Ceddie Mason—Deep crimson.


Elizabeth McDowell—A rich orange-bronze that improves under artificial light.

Gladys Duckham—One of the largest whites.

Ida Catherine Skiff—Brilliant bronze-amber. Fine for cutting.

Louisa—Yellow. Blooms early in October.

Richard Delafield—Deep terra cotta with scarlet points.

Collection—Set of 8 varieties, $1.45.

Pompoms

Adrionda—A beautiful early golden bronze of the true pompon type. Matures middle of October.

Bright Bessie—Beautiful bronze with a tinge of yellow.

Christmas Gold—A very valuable late flower as its name implies.

Dorothy Gish—Smallest white button.


Ethereal—A bright red pompon. Gourgeous in color. Splendid as a pot plant.

Fenella—An orange of exceptional merit.

Firebird—The best of the early reds. Strong upright growth.

Golden Crest—Bright golden yellow sprays.


Marguerite Clark—Rose pink button type.

Mary Pickford—White button, perfect form.

New York—Fine bronze.

Norine—A large yellow that arrises at Thanksgiving time.

Pink Buckingham—A late pink worth more because it comes when flowers are scarce.

Romaine Warren—Deep orange bronze.

Rose Charm—Bright rose pink. Fine sprays and strong growth.

Rufus—Crimson maroon. Late bloomer. Very small flower.

Yellow Fellow—A good variety for middle November. Blooms of the large pompon type borne on rigid stems.

Yellow Metzi—DWARF grower. Extremely free flowering. Clear yellow with center showing red.

Zora—A yellow that develops nice large sprays.

Collection—One each of 6 popular sorts $1.10.

Special Long Season Collection

This collection contains 6 Standards, 4 Single type, 1 Anemone type, 1 Pompom type. Each a different variety. 12 plants—not individually labeled—Special price $1.00.
Not only has California become headquarters for the production of all kinds of seed for distribution throughout the country, but it has in a measure also become headquarters for the growing of rose bushes for shipment to all parts of the United States. Many carloads of rose bushes are shipped from Southern California each year and this should indicate to the home gardener that soil and climatic conditions in California are ideal for roses.

Our offerings are roses of strictly No. 1 Grade. You will find our prices more than reasonable and if others are offered for less money a comparison of quality should be made.

A & M California Grown Roses

Please note:
Planting directions are enclosed in each package. The bushes we offer are on sale from January 1st to March 25th only.

Please add 10c to each order for packing and postage.

New and Outstanding Varieties
A Selection of Magnificent Roses

DR. EDWARD DEACON—A rose with a captivating color, the margin of the petals being a delicate rose pink, blending to a deep salmon-orange towards the base of the petals. Free flowering. Each $1.25.


EDITH NELLIE PERKINS—A new combination of shades, the long pointed buds being a cream and blush opening to a rich carmine pink suffused gold. Very fragrant. Ea. $1.00.

IMPRESS—An English novelty that will please every rose lover. The buds are cardinal red shading orange, opening to full double blooms of salmon cerise with golden shone. Green glossy foliage. Each $1.25.

MARGARET McGREDDY—We consider this one of the finest all round roses offered. The fascinating shade of rich oriental red is unequaled and the full double sweetly scented blooms are borne on tall healthy stems, making it excellent for cutting. Each $1.00.

MISS ROWENA THOM—A cross between Los Angeles and Armstrong, having good points of each. The long shapely buds open to perfect double flowers of matchless oriental rose with the petals in beautiful suffused gold. Free bloomer and fragrant. Each $1.00.

RUDOLPH VALENTINO—Delicately scented rose of a lovely shade of shrimp-pink or coral rose with golden shone. Unlike any other variety. Free, continuous bloomer. Each $1.25.

TALISMAN—One of the recent sensations in the rose world. Remarkable colorings of gold, apricot, deep pink and old rose. Glossy green foliage. Each $1.00.

GENERAL LIST OF SUPERIOR ROSES

All of the varieties listed below represent the finest introductions of recent years and we recommend them with every confidence.

AMERICAN BEAUTY—Deep pink to soft carmine, with delicate veining to dark red on the broad petal. This is the original American Beauty which is still popular in many districts. Each 50c.

ANGEL PERNET—Vivid orange yellow, shaded fiery deep redbrick apricot. This is a combination of colors very difficult to describe, but it is a most beautiful rose. A moderately strong grower, buds long, opening into a full, sweet scented flower. Each 75c.

BETTY UPRICHARD—Inner face of petals delicate salmon pink, outside brilliant carmine with orange suffusion. Fragrant. Each 65c.

CECILE BRUNNER (Bush)—Bright rose shaded salmon pink. One of the best of the miniature roses and planted extensively throughout Southern California. Each 50c.


CONSTANCE—Beautiful free flowering variety with long orange yellow buds streaked crimson. Medium size flowers. Each 65c.

CUBA—Numeralled as a bedding variety for brilliant massing effect. The flowers are semi-double of a scintillating vermilion colour on orange ground. Each 65c.

DAME EDITH HELEN—Introduced in 1926 this magnificent rose has won an unprecedented number of honors both in Europe and in this country. The color is an engaging soft rose pink and the immense flowers are delightfully scented. The plant is very vigorous. Ea. 85c.

DUCHESS OF WELLINGTON—Intense salmon yellow stained with deep crimson, changing to a deep coppery salmon yellow as the flowers develop. The flowers are full with large petals, good substance, delightfully fragrant and very free flowering. Each 60c.


ETOILE DE HOLLAND—This strong healthy grower produces blooms of a brilliant crimson red. Richly scented. Each 65c.


FRAU KARL DRUSCHK—Snow white. Flowers are extremely large yet beautifully formed. The growth is strong and vigorous with abundant foliage. Sometimes called the White American Beauty. Each 50c.

GENERAL MARATHUR—A well known and popular rose of bright crimson scarlet and delightfully scented. This is one of our best blooming varieties. Each 60c.

GOLDEN EMBLEM—Most beautiful deep golden yellow, occasionally flaked with crimson on the outer petals. Large well shaped buds and flowers on long stiff stems. Foliage is a rich glossy green. Each 1.00.

HADLEY—Deep velvety crimson, retaining its color at all seasons. The buds are well formed, large, full and long. It is a free bloomer and fragrant. Ea. 65c.

HOOSIER BEAUTY—This remarkable rose is distinctly different in coloring, being a glowing crimson with darker shadings. The buds are large, long and pointed. Blooms are very full when open. Each 60c.

IMPERIAL POTENTATE—Magnificent rose of recent introduction. The color is a shining rose-pink, shaded lighter on reverse of petals. Very fragrant. Each 60c.

IRISH CHARM—A gem of exquisite form. It is of strong branching habit. The petals merge from a rich apricot to delicate pink. Each 75c.

IRISH FIREFLAME—A glorious single-flowering variety, bearing flowers in clusters of five or more, and splendid for cutting in sprays in bud form. Buds are wonderfully rich in coloring, being a deep orange suffused with crimson, opening to a satiny old rose. Each 60c.
ROSES---Continued

MRS. ERSKINE PEMBROKE THOM—One of the finest yellow roses offered. The color is a rich deep lemon well set off by the healthy dark bronze foliage.

Each 65c.


MRS. W. E. NICKERSON—Splendidly formed. Buds of various blues, deep chrome yellow passing to warm rosé salmon. Extremely vigorous. Each 65c.

NORMAN LAMBERT—This rose is characterized by a novel coloring of deep chrome yellow with a marginal effect of brilliant orange scarlet. Each 75c.

PADRE—Beautiful and novel coloring, entirely different from any other rose, the petals are pearly white suffused salmon pink, the buds long and pointed.

Each 65c.

QUEEN ALEXANDRA—A most attractive color combination of vermilion, with a deep orange base. The petals are reflexed and the reverses are shaded deep old gold. Freely blooming and fragrant. Each 50c.

MADAME ALBERT BARBIER—For garden purposes in Southern California. The buds are large, of good form and size, the stems are good. Each 50c.

LADY AUBERT—One of the handsomest and darkest of reds. Largest and lovely shaped double flowers. Each 65c.

J. OTTO THILOW—Beautifully formed buds, freely flowering rose pink, deeply veined and splashed orange. Each 65c.


MRS. ERSKINE PEMBROKE THOM—One of the finest yellow roses offered. The color is a rich deep lemon well set off by the healthy dark bronze foliage.

Each 65c.

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Each 65c.

QUEEN ALEXANDRA—A most attractive color combination of vermilion, with a deep orange base. The petals are reflexed and the reverses are shaded deep old gold. Freely blooming and fragrant. Each 50c.

ROSE MARIE—A pleasing clear rose-pink and one of the very popular roses for the Cupid variety. Each 65c. Remarkably fine flowering, producing large, long, pointed buds which develop into large cup shaped flowers. Each 75c.

SIR DAVID DAVIS—One of the best glowing crimson bedding varieties. The flowers are fragrant and of good form and size. Each 75c.

SOUV. DE CLAUDIUS PERNET—One of the finest deep yellow roses introduced in recent years. It holds its color well in bud and open blossom, and does not fade as do so many yellow varieties. The plants are of branching habit with short strong stems. Each 65c.

VICTOR WADDI LOVE—Buds of exquisite form, long and pointed. Imperial pink color flushed crimson and orange. Free flowering. Each 65c.

VILLE DE PARIS—An outstanding rich buttercup yellow rose. Excellent for cutting and blooms profusely throughout the season. Each 65c.

WM. F. DreER—in general form this rose is very similar to Los Angeles. A deep golden yellow, heavily flushed and shaded deep peach and old rose. Each 50c.

Polyantha or Baby Roses

This type of rose produces immense clusters of small flowers and are excellent for borders and will do well in pots. The compact bushes grow about 18 in. high.

CHATILLON—Pretty silvery crimson rose with lighter center. Each 75c.

GOLDEN SALMON—A brilliant golden salmon very distinct and always admired. Each 50c.

LAFAYETTE—Immense sprays of bright crimson-scarlet. Blooms all season. Each 75c.

CL. GEN McARTHUR — Possesses all of the good qualities of the bush variety. Strong and vigorous. Each 60c.

CL. GOLDEN EMBLE—Deep golden yellow fringed with crimson. Each 50c.

CL. HADLEY—Same as the well known bush variety. Each 65c.

CL. HOOSIER BEAUTY—Deep crimson with darker shadings. Just like the bush variety. Strong and vigorous. Each 60c.

CL. PAUL’S SCARLET—Perhaps the most brilliant rose grown in Southern California, a large flowered bloom of deep crimson-scarlet, in large semi-double flowers which remain unusually long and in deep red, crimson color. Each 50c.

CL. RED RADIANCE—Velvety glowing crimson equal to the bush form. Each 50c.

CL. ROSE MARIE—Charming clear pink. The buds are long and pointed in the bush form. Each 65c.


CL. SOUV. DE CLAUDIUS PERNET—Climbing counterpart of the wonderful bush form. Beautifully formed buds of deep yellow. Each 65c.

CL. SOUV. H. A. VERSCHUREN—Beautiful yellow and very strong climber. Each 50c.

CL. SOUV. DE CLAUDIUS PERNET—Climbing counterpart of the wonderful bush form. Beautifully formed buds of deep yellow. Each 65c.

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CL. SOUV. DE CLAUDIUS PERNET—Climbing counterpart of the wonderful bush form. Beautifully formed buds of deep yellow. Each 65c.
We can supply the following plants in large or small quantities. Our offerings are limited to what we consider the very best varieties in each case. No plants will be sent C. O. D.

**STRAWBERRIES**

A & M Progressive The A & M Progressive will bear a full crop the first year if properly handled. Because it does not make many runners, the plants should be set close, say 10 to 12 inches in the row and about 22 inches between rows. This distance apart requires 20,000 plants to the acre. Encourage runners and new plants by frequent irrigation and fertilizing. Never cut off the runners, but rather train them along the row and strive for a matted row. 12 plants 40c, 25 plants 75c, 100 plants $2.50, postpaid.

A & M Mastodon New strawberry of huge size. Unrivalled for quality and deliciousness. The plants are large and heavily crowned. Notwithstanding its size it is extraordinarily prolific, bearing strongly throughout the summer to early fall. The quality of the berry is supreme. 12 plants 50c, 25 plants 90c, 100 plants $3.25, postpaid.

Improved Klondike This variety does well in hot sections but excels in cold climates. It is a vigorous grower, very prolific and yields over a long period. A medium size berry of good flavor and is an excellent shipper. 25 plants 50c, 100 plants $1.75, postpaid.

Blakemore (New) — This strawberry was introduced by the North Carolina Department of Agriculture. It is an extraordinarily firm berry, therefore is supreme for shipping purposes. It is very productive and starts bearing early in the season. The berries are a bright color and of excellent flavor. The plants are highly resistant to leaf diseases and to root louse. Not everbearing. 12 plants $1.00, 60 plants $4.00, 100 plants $7.50, postpaid.

**RASPBERRIES**

St. Regis Raspberry Very early, fruit round oval red. A very pronounced flavor. Each 20c, 6 for 85c, doz. $1.50, 25 for $2.85, postpaid.

Cuthbert Old standard variety bearing large deep crimson berries of fine flavor. Ripens over a long period. Each 20c, 6 for 85c, doz. $1.50, 25 for $2.85, postpaid.

Black Cap Raspberry Familiar to many who have grown them in eastern climates. Each 20c, 6 for 85c, doz. $1.50, 25 for $2.85, postpaid.

**BLACKBERRIES**

Crandall’s Early A large fruited luscious berry of rich dark color. It is one of the earliest varieties and very productive. Each 15c, 6 for 85c, doz. $1.50, 25 for $2.85, postpaid.

**GROW YOUR OWN PLANTS**

Because of the danger of introducing new soil pests or fungus into your soil, you should grow your own plants. Tomatoes, peppers, egg plant, in fact all vegetable and flowering plants may be grown very easily in small boxes or beds and transplanting directly from these will be found more satisfactory than to have plants delivered or sent by mail. In addition to this you have a greater choice of varieties and when the seed is purchased from a reliable source you are assured of better results. In planting, never cut off the runners, but rather train them along the row and strive for a matted row. 12 plants 40c, 25 plants 75c, 100 plants $2.50, postpaid.

Send for FALL BULB CATALOGUE, Ready September 1st.
FARM SEEDS

A & M SELECTED DWARF MILO MAIZE

Since the cost per acre of Milo Maize Seed is very small it certainly pays to secure the best seed obtainable. Where the soil is properly prepared it requires but 3 to 4 lbs. per acre, therefore, the cost of seed would be but a few cents, hence Milo Maize Seed should be considered entirely from the quality standpoint. Yield of grain per acre is what you want and you cannot afford to experiment on strains that are being grown by inexperienced growers.

Being of uniform height it may be harvested by machinery but, if harvested by hand, the large heads reduce the cost of harvesting. It grows to a height of about 4 feet, is of stooling habit, and individual hills of 5 to 7 stalks in a stalk each producing a large compact head are not uncommon throughout the field. We have had reported yields of two tons of threshed maize per acre and where the soil and climatic conditions are favorable we feel that this is a very conservative estimated yield. Very often there is a temptation among farmers and others to save their own seed of Milo Maize or to plant seed that has been produced in their own district, but since it is very easily crossed with other sorghums this is a bad practice and we advise against it. We produce our seed maize in isolated districts where there are no other sorghum crops grown near and by hill and head selection each year, the strain is kept uniform and true. Considering again that it requires but a few cents per acre to plant the very best milo maize seed there appears to be no good reason why the planter should experiment with untried strains. If you are going to plant Maize, let us send you a sample of our seed and quote prices on quantity.

(Lb. 25c) (10 lbs. $2.00) (25 lbs. $3.00) postpaid. Write for quantity price.

DOUBLE DWARF MILO MAIZE

This variety of red milo maize is very dwarf, growing only 2 to 2 1/2 feet high and has been developed especially for convenience and economy in harvesting. It can be cut and harvested by machinery in the same manner as heading grain. Very profitable crop to grow, the average yield being two tons per acre. Sow at the rate of 4 to 5 lbs. per acre from April until middle of June. (Lb. 25c) (10 lbs. $2.00) (25 lbs. $3.00) postpaid. Write for quantity price.

SACCHARINE SORGHUM

CULTURE: All sorghums, saccharine or non-saccharine, should be sown in rows 30 or 36 inches apart, using five or six pounds of seed per acre. If irrigated it is necessary to cultivate it after each irrigation. It is advisable to give a shallow cultivation every two or three weeks until it becomes too large. The sorghum is ready to cut for the silo when the seed has matured.

Honey This variety is very desirable because of the large yield of grain, as well as enormous growth of forage. It is given special recommendation in the Farm Bureau Monthly, and has proven highly satisfactory to all who grow it. (Per lb. 25c) (10 lbs. $2.00) postpaid. Write for quantity price.

Early Amber The Early Amber has been grown in California for many years and has always proven entirely satisfactory. It grows twelve feet tall when allowed to mature, but it stools to a wonderful extent when cut about every four weeks. (Per lb. 25c) (10 lbs. $2.00) postpaid. Write for quantity price.

READ

If you need forage for your horses, cattle or hogs, Sorghum planted about April 1st will furnish you the best feed in the shortest space of time. One-half acre will feed four head of stock all summer if only enough is cut each day for one day's need. In this way one can cut continuously all summer. As much as 40 tons may be cut from one acre.

Egyptian Corn This is grown chiefly for the foliage to pasture when young, but yields largely of grain. The chief merit of these fodder crops is in their hardiness to produce fodder and grain with almost no rainfall or irrigation. Sow eight pounds per acre drilled. (Per lb. 25c) (10 lbs. $2.00) postpaid. Write for quantity price.

Feterita Very popular on account of its astonishing growth after it becomes well rooted. Every testimonial received expresses astonishment at its rapid growth. Sow 12 pounds of seed per acre drilled two feet apart; by so doing it yields 5000 to 6000 pounds of grain per acre. The grain has about the same feeding value as Egyptian Corn or Milo Maize; yields from two to three tons of grain per acre. The seed is more susceptible to cold than other sorghums, therefore should not be planted so early, nor should it be planted in cold soil. The second growth stools wonderfully, producing several tons of excellent forage for pasture or for ensilage after the seed has been harvested. It thrives luxuriantly on soil so alkaline that field corn will not thrive. The heads are upright. (Per lb. 25c) (10 lbs. $2.00) postpaid. Write for quantity price.

Napier Joints We offer for introductory purposes. (10 joints $1.00) (25 joints $2.00) (50 joints $3.00) (100 joints $5.00) Postpaid.
The Wonder Forage Plant

A & M Wonder Forage is a great improvement over other sorghums, one acre of the forager being equal to two or three of the latter. It stools from ten to forty full-sized stems, the thickness of a thumb and smaller, and when the main stems mature separate branches grow from each joint bearing more seed heads.

The stems are succulent and sweet as saccharine cane, not dry as non-saccharine cane, therefore, it is as good as sorghum for dairy cows.

Wonder Forage can be cut twice with good soil and ample irrigation.

For a rich green feed grow the Wonder Forage. Five pounds of seed are sufficient to plant an acre.

(Per lb. 40c) (10 lbs. $3.50) postpaid. Write us for quantity price.

Sudan Grass

Has made good and has become more popular each year. It is not particular as to soil—endures much alkalinity—planted during April, first cutting in sixty days may yield four tons of dry hay per acre and three to four tons may be cut each thirty days until October.

Twelve pounds of seed is required to plant an acre in order to produce hay of fine quality.

Sudan Grass thrives with excessive moisture and endures extreme drought. In the months of August and September when all other grasses are dry, then is the time that Sudan is most valuable for fall pasture for cattle and hogs.

Sudan Grass is ideal for growing with the Whip-Poor-Will Cow Peas. The stem is stiff enough to support the vines. (Per lb. 25c) (10 lbs. $2.50) postpaid. Write for quality price.

Clover for Forage

Melilotus alba This is a valuable addition to the farm as a forage crop. When quite young, it may be pastured or cut and cured for hay. This should be done just before the bloom appears. It is harder than alfalfa, more drouth-resistant, and better for renovating the soil. It may be cut twice the first season and three or four times the second season, yielding 2500 to 3000 pounds of hay each cutting. It is as easy as alfalfa to eradicate, is biennial. On account of its hardiness, is more drouth-resistant, and better for renovating the soil.

Sow seed sparingly at 1 lb. to % acre to allow for this spreading. Sow 12-16 lbs. (Per lb. 60c) (10 lbs. $5.00) postpaid. Write us for quantity price.

Ladino Clover A new green feed for poultry. This recent introduction from Italy has proven to be a remarkable discovery as a green feed for poultry. It yields far more abundantly and withstands frost much better than Alfalfa. Each plant sends out runners 12 inches long and each joint takes a new root. Sow seed sparingly at 1 lb. to % acre to allow for this spreading. Sow seed sparingly at 1 lb. to % acre to allow for this spreading.

Sow 12-16 lbs. (Per lb. 60c) (10 lbs. $5.00) postpaid. Write us for quantity price.

Red Clover (Common) There is a place for Red Clover, but not for the common alfalfa. It is hardier than alfalfa, therefore we recommend it for higher altitudes or farther north than the San Joaquin Valley where it will not be subject to the hot dry atmosphere of the interior valleys nor to the climate of Southern California. (Per lb. 60c) (10 lbs. $5.50) postpaid. Write for quantity price.

Mammoth Red Clover In England and in English "Cow Grass." The name recommends it to all farmers. It is hardier than common Red Clover. (Per lb. 60c) (10 lbs. $5.50) postpaid. Write for quantity price.

Alsike or Swedish Clover This is one of the hardiest clovers; it is perennial and does not winter killing. It will do better on moister land than any other variety of clover, and is suitable for either hay or pasture. When sown with other grasses it forms a thick undergrowth and greatly increases the yield. (Per lb. 60c) (10 lbs. $5.00) postpaid. Write for quantity price.
**Crops for Soil Renovation**

**Inoculate with McQueen’s Culture—See Page 87**

**Winter Crops**

**Melilotus alba** We have come to the conclusion that, except when sown as a cover crop, it is better to broadcast the seed than to drill it. This is especially true where there is alkali. Sweet-clover seed should be very close to the soil surface. A light harrowing with a light brush drag will mix the seed with the soil sufficiently for germination. It is better, too, to sow the seed in the fall and let the rains bring it to the surface at a better time than when a disk plow will turn it up. Melilotus alba is being recognized more and more each season as a valuable soil renovator. Because of its large and extensive root system penetrating deep into hard subsoil, there decaying, permits moisture to enter and break up the hardpan that plowing may become deeper and more thorough. Through having roots that will live during the winter, it has the advantage of being a soil renovator all of which is essential to building up new or run-down soil.

Melilotus indica was introduced by us in 1909, has now become recognized as one of the best legumes for green manuring in the San Joaquin Valley of California, because it may be planted late in the fall after all crops have been harvested, will grow all winter with only the season’s rainfall.

It prevents erosion during the rainy season, is easily plowed under, is richer as a fertilizer and if allowed to stand until July will prevent much of the June drop in soil. (Per lb. 25c) (10 lbs. $2.00) prepaid. Ask for quantity price.

**Burr Clover** A native clover and one of the best nitrogen fixing crops. Needs but little moisture and will thrive on very poor soil. If your grazing lacks native grasses, plant Burr Clover. (Lb. 50c) (10 lbs. $4.50) postpaid. Write for quantity price.

**Canadian Field Pea** When it is too late to plant Vetch or Melilotus plant Canadian Peas. They may be planted as late as January and yet be plowed under in time for planting a summer crop. If your summer crop, like melons and potatoes, are not harvested until November plant Canadian Peas.

Neither is the Canadian Pea inferior to other cover crops when planted at the right time. The right time is from September until February and on any kind of soil.

Notice—Do not plant just before a rain nor irrigate before they are well above the ground and established. If the soil is wet when planting the seed this will prevent growing. (Per lb. 25c) (10 lbs. $2.00) postpaid. Write for quantity price.

**Purple Vetch** The chief value of Purple Vetch lies in its rapid growth. It does not have the same tendency to stop growing when the thermometer registered around 28 degrees as do many other varieties of cover crop. However it does not stand quite as much cold as melilotus indica. It is one of the leading cover crops for growing in the rainy season in citrus orchards and for this purpose 60 lbs. should be sown to the acre. It is also a valuable crop for hay or silage. (Per lb. 25c) (10 lbs. $2.00) postpaid. Write for quantity price.

**Common Vetch** This variety also makes an excellent cover crop for fall sowing and is commonly sown with oats, wheat, rye or barley. When grown together the vetch is held off the ground and at the same time fertilizes the grain crop. For this intention sow 30 lbs. grain and 20 lbs. vetch to the acre, or if planted alone, 60 lbs. of vetch per acre. (Per lb. 25c) (10 lbs. $2.00) prepaid. Write for quantity price.

**Broad Windsor Bean** Sometimes called Horse Beans, the Windsor bean is one of the best cover crops for deep-rooting. It has a big, strong, deep-root system well supplied with natural nitrogen. It will withstand 28° F. in the soil. The roots have gathered nitrogen and add much humus, all of which is essential to building up new or run-down soil.

**Small Windsor** (Small Horse Bean) This is identical with the Large Horse Bean except that it will not grow as large, but is preferred by many for green manuring because of the smallness of the seed it requires fewer pounds to plant an acre and it is argued that more plants per acre will produce a better crop. (Per lb. 25c) (10 lbs. $2.00) postpaid. Write for quantity price.

**Summer Crops**

**Whip-poor-Will Cow Pea** For many years the Whip-Poor-Will has been the standard summer crop for green manuring not only here but throughout the South.

1. It will grow on practically all kinds of soils, whether sandy or clay, poor or fertile.
2. It is of the easiest culture.
3. It has a big, strong, deep-root system, well supplied with large nitrogen gathering nodules.
4. It does better in summer heat, and is extremely drought-resistant.
5. It grows very rapidly, shading the soil from excessive heat, and leaving no room for noxious weeds.
6. It greatly benefits the succeeding crop by accumulation of nitrogen in the soil.
7. It leaves the soil in fine physical condition for the fall planting of grain or other winter crop.
8. It produces an abundance of highly nutritious pods and leaves in a few months.
9. It may be made into hay or ensilage, or pastured. The seeds may be used for stock food or human consumption.

**Brabham Cow Pea** It has only recently been determined definitely that the Brabham is resistant to nematode. It has been used as the base for the Brabham since the discovery that the Brabham is the most resistant to nematode to plant, it would seem the wiser thing to do. (Per lb. 25c) (10 lbs. $2.00) postpaid. Write for quantity price.

**Sesbania** Valuable cover crop for hot sections only. Seed is usually sown at the rate of 40 lbs. per acre in May or June. With five or six irrigations a dense tall growth is obtained in two months. Early in August the crop may be seeded to another crop. Very worthwhile cover crop for orchard and lettuce land. (Per lb. 30c) (10 lbs. $2.50). Write for circular.

**The Blackeye** This bean is always profitable to the grower because it yields 1500 to 2500 pounds per acre without irrigation, and on almost any kind of soil. It is a good cover crop and soil renovator. The beans find ready market at a fair price. Rabbits will not eat the Blackeye. Plant 30 to 40 lbs. to the acre. (Per lb. 25c) (10 lbs. $2.00) prepaid. Write for quantity price.

**Soy Bean** The Soy Bean is being more generally used as its merits become known. The importation of the Soy Bean from the Orient makes it unprofitable to grow for commercial beans or for seed but for early spring planting. For cover crop and for green manuring it is very valuable and under certain conditions of soil may be preferred to clover or vetch. It is harder than the cow pea and on that account may be planted earlier. It is valuable to grow in young vineyards either to be plowed under or for green feed for dairy cows. (Per lb. 25c) (10 lbs. $2.00) prepaid. Write for quantity price.
A & M Field Corn

ORANGE COUNTY PROLIFIC
THE MOST SATISFACTORY SILAGE CORN

Orange County Prolific was introduced by us in 1911. At that time we had stalks on exhibition with nine ears of commercial size and others that were smaller. The season just past indicates, by numerous testimonials, that Orange County Prolific corn leads all other varieties both for corn or silage.

We have a report that the Orange County Prolific planted July 25th produced 25 tons per acre. (Per lb. 25c) (10 lbs. $2.00) postpaid. Write for quantity prices.

Mexican June The corn for the arid southwest. When the white man was a pioneer in Arizona and New Mexico, he tried to grow corn but failed. The country is a hard white variety now grown where no other variety is grown. It is very desirable for ensilage, as the stalks attain a great height with a big leaf growth. (Lb. 30c) (10 lbs. $2.50) postpaid. Write for quantity price.

WHEAT
Sow 60 Pounds per Acre.

Defiance This has long been a favorite for the silo and there is no other corn we know that will take its place. It is very stalky, stands up well and yields a heavy tonnage per acre. Under irrigation and on good soil it has produced more ensilage than any other corn. If you want ensilage and plenty of it plant A & M Ensilage Corn. (Lb. 25c) (10 lbs. $2.00) postpaid. Write for quantity price.

Hickory King An early white corn with exceptionally large kernels. It is very prolific and besides being planted extensively for grain it is useful for ensilage and is also very fine for hominy purposes. Matured in 110 days. (Per lb. 25c) (10 lbs. $2.00) postpaid. Write for quantity price.

Big Jim Very fine variety of yellow dent corn. The large ears averaging 12 inches in length are very prolific, producing an extraordinary heavy acreage yield. It is also very desirable for ensilage as the stalks attain a great height. (Lb. 30c) (10 lbs. $2.50) postpaid. Write for quantity price.

King Philip A yellow dent 90-day corn planted extensively in California for grain. (Lb. 25c) (10 lbs. $2.00) postpaid. Write for quantity price.

BARLEY
Sow 60 to 80 Pounds per Acre.

We aim always to have the best. It is possible to procure. We cannot fix a price because of the fluctuations of the market. Bearded Barley and Beardless Barley. Write for prices.

Barley as a Winter Pasture
Several other plants furnish good winter pasture, but none are so valuable as Barley. It affords grazing earlier, and more abundantly. It recovers more rapidly after being grazed down. It is more relished by stock and more wholesome. It stands up so that stock can eat it with less dirt or other objectionable matter, and it is never affected by rust.

Sown in September it affords good grazing until May, but if the stock are taken off in March, a good crop of grain can be harvested.

For this purpose sow 100 pounds per acre and irrigate if needed.

BUCKWHEAT
The soil is always moist where shaded with buckwheat. Sow the seed any time after April 1st, about 45 pounds per acre. Within ten weeks it will have matured. It will not survive the winter; therefore it is necessary to sow once a year.

We highly recommend the growing of Buckwheat for reclaiming desert land, as it will start a growth and produce a crop under more adverse conditions than any other crop we know of.

BROOM CORN
This is the standard because it is easily harvested and in quality there is none better. It is the best to plant throughout the Southwest. (Per lb. 25c) (10 lbs. $2.00) postpaid. Quantity price on application.
Grasses

AUSTRALIAN RYE GRASS

Used extensively for lawns, particularly in the Imperial Valley, Salt River Valley, Arizona, and similar climates. It grows faster than Blue Grass, is coarser and will stand considerable abuse or neglect. For back yards, where it might be walked over with little attention, it is a very good grass. (Lb. 35c) (10 lbs. $3.00) postpaid. Ask for quantity price.

ITALIAN RYE GRASS

(Lolium italicum)

Arrives earlier at maturity than Perennial and produces a large amount of nutritious herbage. Its duration being but two or three years, it is not adapted for permanent pastures, but is highly valuable for rotation of crops. It is especially adapted for sowing in autumn with oats, barley, rye or clover, as a catch-crop for fattening stock. Sow 30 lbs. per acre. (Per lb. 35c) (10 lbs. $3.00) postpaid. Write for quantity price.

PACEY'S RYE GRASS

An excellent hardy grass for the coast range, on hillsides and meadows. It does not dry out, wonderfull and is quick to recover after a drought. Sow 20 lbs. per acre. (Per lb. 35c) (10 lbs. $3.00). Write for quantity price.

CHEWINGS FESCUE

One of the best grasses to sow in a meadow. Mixed with Red Top and White Clover it is a valuable pasture grass. It is also suitable for lawns and putting greens. Sow 20 lbs. per acre. (Per lb. 35c) (10 lbs. $3.00). Write for quantity price.

RED TOP

(Agrostis vulgaris)

Red Top is a perennial grass which grows from a few inches to five feet in height under varying conditions of soil and climate. But the average height is probably 15 to 20 inches. It is now more highly esteemed as a pasture grass than for hay. No other useful grass would seem so well adapted for growing in wet situations, even in places so moist as to be saturated with water. It withstands the severest drought, and water may stand on it for weeks. It will grow under favorable conditions of soil and season, it makes an immense crop of green forage, juicy and succulent, and often at a time of year when little green feed is available. (Per lb. 30c) (10 lbs. $3.00). Write for quantity price.

RUSSIAN BROME

(Bromus inermis)

Bromus inermis is one of our hardest perennial grasses; no amount of cold will kill it. It withstands the severest drought, and water may stand on it for weeks. It will grow on any rich soil. It requires twenty pounds of seed per acre. Russian Brome Grass is essentially a winter pasture grass, but it also makes very good hay. It is not adapted for permanent pastures, but it is valuable as a catch-crop for fattening stock. Sow 30 lbs. per acre. (Per lb. 35c) (10 lbs. $3.00). Write for quantity price.

ORCHARD

COCKSFOOT

(Dactylis glomerata)

This grass does well either with or without other grasses. It is frequently sown in such pasture mixtures as white clover, red clover and rye grass. If sown alone, 25 or 30 pounds of the Cocksfoot seed will insure a good stand of grass. (Per lb. 50c) (10 lbs. $4.50) postpaid. Write for quantity price.

HARDING GRASS

This grass is a true perennial, one seeding being good for years. It cannot become a pest because all spread is from the crown. This grass does better in drier and heavy trampling of sheep or cattle. Old pastures or burned over land should be sown after the heavy winter rains have set in. (Per lb. $2.00) postpaid.

RHODES

(Chloris Cayana)

Mr. Dairyman, there is no longer any excuse to permit any alkali lands to be wasted with tar weed. Your alkali lands are now a valuable asset. Rhodes grass will increase the value of these acres several fold. Rhodes grass does not grow underground sprouts like Johnson or Bermuda grass, but sends runners over the surface like the strawberry plant. It is easily eradicated. Rhodes Grass will smother Bermudia and other weeds because of its dense matting roots. It makes a thick sod capable of supporting the cattle on marshy land. The stock relish it fully as well as alfalfa. It is as easy to eradicate as Timothy or as any other bunch grass. Ten pounds is sufficient to sow one acre broadcast. It thrives in high altitudes. (Per lb. $1.00) (10 lbs. $9.00) postpaid. Write for quantity price.

DALLAS

(Paspalum dilatatum)

Grows on any kind of soil—endures some alkali—excel lent for permanent pasture on marsh or mesa—grows winter and summer with moisture—excellent for hay—but cut every six weeks—becomes dormant with drouth but revives with less moisture than any other grass, yet will survive if submerged for several weeks—stools and seeds freely. The seed takes root among the weeds and devil grass, choking out everything in its way. The dense matting roots make a thick sod capable of supporting the cattle on marshy land. The stock relish it fully as well as alfalfa. It is as easy to eradicate as Timothy or as any other bunch grass. Ten pounds is sufficient to sow one acre broadcast. It thrives in high altitudes. (Per lb. $1.00) (10 lbs. $9.00) postpaid. Write for quantity price.

ALKALI GRASS

(Gynodon dactylioides)

Bermuda Grass is unquestionably the best pasture grass in the south, viewed from the standpoint of palatability, productivity and endurance. There are reasons for believing that in its proper sphere it will produce more grazing and more meat than blue grass under the most favored conditions. Sheep and lambs thrive on Bermuda much better than on any other grass. If sown alone, 25 or 30 pounds of seed will insure a good stand of grass. If sown in mixtures with white clover, red clover and rye grass, 25 or 30 pounds of the Cocksfoot seed will insure a good stand of grass. (Per lb. 25c) (10 lbs. $2.00) postpaid. Write for quantity price.

Miscellaneous Field Crops

SUNFLOWER

Sunflower stalks are rich in potash, plow them under, do not waste them.

Mammoth Russian

Should be planted largely for seed or silage. It makes a good wind-break around your garden. It is a valuable plant that grows anywhere with little attention. (Per lb. 25c) (10 lbs. $2.00) postpaid. Write for quantity price.

DWARF ESSEX RAPE

Pasture for Hogs, Sheep and Poultry

There is a need and a place for an extra quick growing green forage crop for use any time during fall, winter and spring, and our Dwarf Essex Raup fills that need exactly. Rape can never become a pest as it belongs to the same general family as the turnip and rutabaga, and when planted under favorable conditions of soil and season, it makes an immense crop of green forage, juicy and succulent, and often at a time of year when little green feed is available. (Per lb. 30c) (10 lbs. $3.00). Write for quantity price.

Golden or German

Grows three to four feet tall, branches freely and is enormous ly prolific of seed. The heads are covered with small bristles. Where birds can be controlled this is probably the best variety to grow for seed. Where moisture is scarce this is a very good variety to grow for pasture. (Per lb. 25c) (10 lbs. $2.00) postpaid.

Russian, or Hog

If moisture is lacking and you need pasture in the shortest space of time, plant Russian or Hog Millet; it may be pastured within six weeks and matures seed within sixty days. It grows three to four feet tall. This seed may be harvested by heading and a second crop may be matured within another thirty days. (Per lb. 25c) (10 lbs. $2.00).

Alfalfa, clovers, peas, beans, soybeans and vetches (all pod bearing plants) grow better and also enrich the soil, when they are inoculated. Such legumes have nodules on their roots. These nodules extract nitrogen from the air. Plants without nodules cannot do this. McQueen's Dust-Kote produces nodules on legume roots.
FERTILIZERS
WRITE FOR QUANTITY PRICE

A & M PLANT FOOD for POTTED PLANTS

This concentrated plant food should be used by all who grow plants of any kind in pots, such as Fenn, hanging baskets, also for roses and in window boxes. You have, no doubt, often noticed pale and sickly looking foliage on your plants. A & M Plant Food will restore the color and promote the growth. It is packed in a convenient, sealed 2-pound package. Will not deteriorate after being opened and, very important, it can be kept in the house without discomfort. If covered, there will be no disagreeable odor. Per package, 35 cents, F. O. B. Los Angeles.

A & M VELVET PLANT FOOD

Quick and Lasting Results
A & M Velvet Plant Food is a scientifically prepared chemical compound carrying the necessary elements for the promotion of plant growth. It not only enhances the beauty of the blossom and the color of the lawn, but it is a wonderful stimulant to vegetable life and, in addition to its many uses in the garden, it can be applied with wonderful results in the field for vegetables and orchards.

This plant food is easy to apply and it is in a powder form and quickly available.

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<thead>
<tr>
<th>Weight</th>
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<tr>
<td>25 pound bag</td>
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<td>100 pound bag</td>
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F. O. B. Los Angeles.

SHEEP MANURE—RADIO BRAND

Peat Humus is the ideal substance for maintaining soil in fine condition, giving plants every assistance for vigorous growth. It contains no weed seeds, conserves moisture, and keeps the soil porous and aerated. Peat Humus should be mixed well with soil before planting seed and it will prevent baking when used as a top dressing. Our supply is fresh from the fields and is the highest quality. Per 100 lb. sack $2.00, $30.00 per ton, F. O. B. Los Angeles.

LEAF MOLD

We exercise the greatest care in the selection of our Leaf Mold. For home gardeners who are growing their own plants Leaf Mold will be a great assistance for mixing in with the soil and for use as a covering for the seeds. A mixture of about one-fourth or one-third Leaf Mold with good loamy soil makes a very nice combination for the growing of young plants in flats. Where seeds are sown in the open a light covering of Leaf Mold on the row or the seed bed will aid in holding the moisture and secure a better germination. Per sack $1.25; 5 sack lots $1.00 per sack, F. O. B. Los Angeles.

AMMONIUM SULPHATE

Ammonium Sulphate is a natural by-product of Coke Ovens. It has been known as a high grade carrier of Nitrogen for years. Some idea as to the value of Ammonium Sulphate as a nitrogen carrier may be obtained by the fact that to equal 100 pounds of Nitrogen in nitrogen content, it would take: 100 pounds Nitrates of Soda or 200 pounds Cotton Seed Meal. 150 pounds of ordinary fertilizer or 4,000 pounds of good stable manure.

For Garden use take the soil 1 pound to every 150 square feet. One pound is sufficient for any 1 year old tree or 1/2 pound for a 2 year old tree. For field crops apply 100 pounds per acre. (25 lbs. $1.75) (50 lbs. $2.75) (100 lbs. $5.00) F. O. B. Los Angeles.

Fertilizers Continued on Next Page
FERTILIZERS—Continued

TORO BRAND SULPHUR

ESPECIALLY PREPARED FOR AGRICULTURAL PURPOSES

The application of sulphur to the soil to increase crop production is now a proven and accepted fact. In addition to its fertilizing qualities it is giving excellent results in the control of potato scab. It loosens hard cement like soil, is active in controlling fungus, produces a better quality of fruit and is generally beneficial to all crops.

Toro Brand Sulphur may be applied in irrigated districts at any time and in non-irrigated districts just before plowing, so that it will get the benefit of winter rains. It may be drilled in with a fertilizer drill or broadcast by hand and then plowed or cultivated in.

In orchards use four pounds to the tree, where trees are four years of age, and for older trees a little more may be used.

For vineyards, grains, alfalfa, beans and all other surface crops use about two sacks per acre. Within six months trees or crops usually begin to show results which continue into the second, third and fourth years. Toro Sulphur is packed 100 lbs. to the sack. One sack $3.25, 10 sack lots $3.15 per sack, 25 sack lots $3.35 per sack, f.o.b. Los Angeles.

Sulphur for Dusting—See Page 89

GYPSUM

Gypsum brings about a mechanical change in the soil by making it more porous to water and air. Very heavy adobe soils are much improved with an application of Gypsum which loosens it and this condition tends to prevent packing.

Gypsum is also used in the treatment of soil containing black alkali. The quantities to be used in the control of black alkali depending upon the amount of its presence in the soil. For the home garden one lb. to 5 sq. ft. on extremely heavy soil will provide a favorable condition for beneficial action of soil bacteria, will assist in the retention of moisture and make it more pervious to water and air. Very heavy adobe soils sometimes are slow to absorb the first application, but improve slowly at first and should be applied more frequently. Heavy soils sometimes are slow to absorb the first application, but improvement may be noted when a second application is made. The more foul the lawn is with these plants thriving on acid soil, the more lime should be applied, as it will tend to kill off the weeds and with the acid condition corrected in the soil the Blue Grass and Clover will begin to grow more luxuriously. A & M Hydrated Lime goes about twice as far as the ordinary air slaked lime. Price 60 lb. sack $1.50; 4 lb. carton 25c. F. O. B. Los Angeles.

Nitrate of Soda

Contains about 15% nitrogen. In very sandy soils it is quick in action and entirely soluble. It is best applied after the plants are growing. Price fluctuates. Write for prices.

Super-Phosphate

(25 lbs. 65c) (50 lbs. $1.20) (100 lbs. $2.25) F. O. B. Los Angeles. Write for quantity price.

Fish Fertilizer

This fertilizer is composed of dried fish, finely ground, and is purely organic. An excellent fertilizer for all crops. Will last for several crops without the need of other fertilizer. Write for prices.

Dried Blood Meal

Is very rich in nitrogen and an excellent plant-food for increasing the yield of vegetables and fruit, and also for stimulating the growth of flowers. There is from 12 to 13% nitrogen. Write for price.

Bone Meal

1½% nitrogen and 16% phosphoric acid. Neither of these two elements is immediate in their action. If put in the soil in the Fall, some results will show the following Spring. Slow but sure. Write for price.

Fertilizers in Small Gardens

Amateur garden makers are often puzzled as to the amount of fertilizer needed for their small plots, because the usual directions give only the amount per acre. The following table shows (approximately) the proper proportions:

- 100 lbs. per acre equals 1 lb. for a plot 10x13 feet.
- 200 lbs. per acre equals 1 lb. for a plot 10x21 feet.
- 300 lbs. per acre equals 1 lb. for a plot 10x14 feet.
- 400 lbs. per acre equals 1 lb. for a plot 10x17 feet.
- 500 lbs. per acre equals 1 lb. for a plot 10x19 feet.

McQueen’s Culture

(Dust-Kote)

McQueen’s Culture (Dust-Kote) is a nitrogen-fixing bacteria for inoculating legumes. When the bacteria are absent the plant cannot feed on the air nitrogen but feeds on the soil nitrogen, thus making the land poorer. McQueen’s Dust-Kote hastens maturity, increases the crop, improves its quality, enriches the soil and saves fertilizer bills. It produces a better quality of fruit and is generally beneficial to all crops.

Toro Brand Sulphur is packed 100 lbs. to the sack. One sack $3.25, 10 sack lots $3.15 per sack, 25 sack lots $3.35 per sack, f.o.b. Los Angeles.

FOR SMALL SEEDS

Group No. 1—Alfalfa, Sweet Clover, Hubam, Burr Clover.

Group No. 2—Alsike, Red Clover, Mammoth Clover, White Clover.

2½ bushel size inoculates 150 lbs. seed .......... $2.00
1 bushel size inoculates 60 lbs. seed .......... 1.00
½ bushel size inoculates 30 lbs. seed .......... 0.50

FOR LARGE SEEDS

Group No. 3—Garden and Field Peas, Vetch, Sweet Peas.

Group No. 4—Navy Beans, Bush and Pole Beans.

Group No. 5—Cow Peas, Peanuts, Lima Beans.

Group No. 6—Soy Beans.

5 bushel size inoculates 200 lbs. seed .......... $1.75
2 bushel size inoculates 120 lbs. seed .......... 1.00
1 bushel size inoculates 60 lbs. seed .......... 0.50

GARDEN SIZE (composite culture for Garden Beans, Garden Peas, Lima Beans and Sweet Peas) .......... 15c
Acme All Round Spray

This combination spray fills a long felt want in the vital combat against garden pests. The preparation includes Arsenate of Lead for chewing or leaf-eating insects, blight and fungus diseases, and thirdly, Nicotine Sulphate 40% for aphids and other sucking insects. The Arsenate of Lead and Bordeaux Mixture are mixed in powder form and the Nicotine Sulphate is enclosed in a small bottle. The whole preparation is packed in a handsome lithographed tin and a complete set of directions for use with spray chart is enclosed.

0.5 lb. tin 40c) (1 lb. tin 90c) f. o. b. Los Angeles. Cannot be mailed.

Acme Dry Lime Sulphur

An invaluable spray for the control of fungus diseases such as peach leaf curl, mildew, peach twig blight, pear scab and many other ailments common to deciduous fruit trees. For the above spray with a mixture of 10 to 12 tablespoonsful of Dry Lime Sulphur to one gallon of water, and for spraying material use 3 to 4 heaping tablespoonsful of Arsenate of Lead to one gallon of water.

Dry Lime Sulphur is also used as a control of Red Spider and it may be used effectively once or twice during the summer or autumn as an aid to winter spraying. This spray may be used as a dust for control of many insects and to help in the control of many diseases of tomatoes, peppers, potatoes, beans, etc.

4 lb. tin 45c) (1 lb. tin 95c) f. o. b. Los Angeles. Cannot be mailed.

Acme Arsenate of Lead

For the control of codling moth, cabbage worms, other leaf-eating or chewing insects and all other leaf-eating or chewing insects, mix the spray material 2 to 3 tablespoonsful of Arsenate of Lead to one gallon of water. For dusting mix one part Arsenate of Lead to 3 parts of powdered Lime. This will be found effective for the Diabrotica Soror, which is the twelve spotted beetle that infests dahlias, etc., also dusted on the silk will prevent corn ear worm and it may be used as a dust for other leaf eating insects

Acme Arsenate of Lead to one gallon of water.

(1 lb. carton 50c) (4 lb. paper bag $1.10) f. o. b. Write for quantity prices. Cannot be mailed.

Acme Calcium Arsenate

Acme Calcium Arsenate is especially valuable for use in dusting cabbage, potatoes and other crops for the control of many insects. It is extremely light and fluffy, having not less than 100 cubic inches to the pound. insure even distribution and effective results when used as a liquid spray or in dust form.

(1 lb. carton 40c) (4 lb. paper bag 90c) f. o. b. Write for quantity prices. Cannot be mailed.

Acme Garden Guard

Garden Guard is a concentrated, pracical and economical all around garden insecticide, ready for use as it comes in the package; in a sifter can, easily applied, and very effective in combating the majority of insects pests that prey upon your garden. Applied early in the morning or late in the evening when the dew is on, it will control many chewing insects. This preparation contains therein serves as a fungicide and will assist in preventing Mildew and other fungus difficulties. Used extensively by market gardeners.

For grasserthopper bait use Paris Green as follows: one pound of Paris Green, 10 lbs. bran, 1 quart brown molasses, 2 lemons, chopped fine. Add water to make crumbly mass and broadcast in the field for grasshopper control. For cucumbers add the bait about the garden in the evening, in piles of about one teaspoonful at intervals of 10 to 15 feet or near the plants that are being destroyed by cutworms. (1 lb. carton 55c) (5 lb. carton $2.50). Cannot be mailed.

Acme Paris Green

The economy of using Acme London Purple lies in its superior sticking quality in addition to being reasonable in price and quick in action. We recommend its use on potatoes, cotton and any other crop infested with chewing insects. Use it as a dust or as a spray. (1 lb. carton 40c) (4 lb. paper bag 90c) f. o. b. Los Angeles. Write for quantity prices. Cannot be mailed.

Acme London Purple

The quantity of using Acme London Purple lies in its superior sticking quality in addition to being reasonable in price and quick in action. We recommend its use on potatoes, cotton and any other crop infested with chewing insects. Use it as a dust or as a spray. (1 lb. carton 40c) (4 lb. paper bag 90c) f. o. b. Los Angeles. Write for quantity prices. Cannot be mailed.

Acme Bait-M

Bait-M is a mixed preparation for the eradication of snails, cutworms, slugs, grasshoppers and now bugs and is highly recommended. It should be broadcast over the ground in the evenings. (1 lb. carton 30c) (3 lb. carton 60c) (15 lb. bag $2.75) f. o. b. Los Angeles. Cannot be mailed.

Acme Spray Soap

A fish oil soap effective in destroying many sucking insects and lice on plants, ferns, etc. It is also used in combination with Black Lead 40 and Evergreen as a spreading and adhesive agent. (1 lb. 35c) (5 lbs. $1.50) f. o. b. Los Angeles. Can be mailed.
Insecticides and Spray Materials—Continued

DESTRUOX

This is one of the finest sprays we know for use against such common garden pests as plant lice, aphids, flies, thrip, lice, red spider, leaf roller hoppers, mealy bugs and mildew. It contains Nicotine Sulphate, Copper Sulphate, etc., the Cyancide giving off fumes which reach insect life on the underside of foliage. Destruox may be used at all seasons with entire safety, although the warmer the weather, the greater is the fuming action. There is little chance of burning or stunting growth and on roses or other large subjects the solution may be used at double strength. Use 1 large teaspoon of Destruox to 1 gallon of water. Cannot be mailed.

Destruox Emulsion

Destruox Emulsion contains the constituents of Destruox, combined with organic and vegetable oils in the form of a stable emulsion. It retains its insecticidal qualities over an indefinite period without detrimental effects to tree life. Very specific in the control of scale on citrus trees, also red spider, mealy bug and aphids. Cannot be mailed.

| 1 oz. makes | 3 gals. spray | $ .40 |
| 1 qt.     | 25            | .85  |
| 1 gal.    | 100           | 1.40 |
| 5 gal.    | 500           | 2.90 |


Dusting Sulphur

Mildew is more easily prevented than cured and there is no better preventative than Anchor Brand Sulphur, being the highest grade sulphur manufactured. The fine snow-like particles of the Anchor Brand Sulphur settle directly to the plant and destroys fungus spores. Sunlight, moisture and high temperature are contributing factors in the creating of these fumes. Price, 1 lb. 10c, 3 lbs. 25c, 100 lb. sack 54.95, etc.

Can be mailed.


Blue Stone

(Sulphate of Copper)

Used to prevent smut on barley and wheat. The seed to be planted should be soaked in a solution of 1 lb. Blue Stone to 6 gallons of water. Soak the seed for ten or fifteen minutes then spread it to dry. Blue Stone is also used for the control of some fungus diseases. (Per lb 15c) (10 lbs. $1.40) F.O.B. Los Angeles. Small quantities may be sent by mail. Ask for prices on barrel lots and larger quantities.


Nico Dust

NICO DUST is a dry powder insecticide killing by fumes as well as direct contact. The principal ingredient is Nicotine Sulphate, well known remedy for sucking insects. Nico dust should be applied as a dust directly to the plant with a hand or power duster, and the best results are obtained when the air is still and the temperature fairly warm. In addition to Nico Dust in several strengths we have the Nico-Garden Dust for general use in the garden, controlling slugs, aphids and other pests.

Nico Garden Dust

(12 oz. pkg. 40c) (5 lb. pkg. $2.00). Cannot be mailed.

Nico Dust No. 5

5% Black Leaf 40 (1 lb. pkg. 50c) (5 lb. pkg. $1.35) (25 lb. steel drum $4.75) (50 lb. steel drum $8.50) (100 lb. steel drum $15.75) Cannot be mailed.

Nico Dust No. 6

6% Black Leaf 40 (1 lb. pkg. 40c) (5 lb. pkg. $1.20) (25 lb. steel drum $4.50) (50 lb. steel drum $8.00) (100 lb. steel drum $14.50) Cannot be mailed.

Nico Dust No. 8

8% Black Leaf 40 (1 lb. pkg. 45c) (5 lb. pkg. $1.50) (25 lb. steel drum $4.50) (50 lb. steel drum $8.50) (100 lb. steel drum $15.50) Cannot be mailed.

Nico Dust No. 10

10% Black Leaf 40 (1 lb. pkg. 55c) (5 lb. pkg. $1.90) (25 lb. steel drum $6.25) (50 lb. steel drum $11.00) (100 lb. steel drum $22.50). Cannot be mailed. ALL prices are f.o.b. Los Angeles.

A & M Green Bar Soap

The efficiency of any spray insecticide is greatly increased by the use of a spreader. Unless a spreader is used the spray droplet will not reach the tiny globules and many parts will be left dry. A & M Green Bar soap is specially prepared and in creases the efficiency of Evergreen, Black Leaf 40, etc. (See directions on wrapper). Price 15c per bar.
Snarol
Kills Garden Pests
Stops Their Damage

Science Provides
New Safe Method
That Does the Work
Without Fuss

Snails, Cutworms, Slugs, Grasshoppers, Sowbugs, Earwigs, Etc., Are Exterminated

Snarol is a ready prepared meal that you simply broadcast on the ground, under the vegetation. The pests eat the meal and are quickly destroyed.

Snarol will not deteriorate from rain or sprinkling and also is non-toxic to vegetation when used according to simple directions. These features distinguish it from ordinary controls and make Snarol popular with professional gardeners and nurserymen. Prices—1-lb. package 35c, 3-lb. package 75c, 15-lb. package $2.95, 50-lb. bags $7.50. Cannot be mailed.

Cyanogas
For Wireworm, Red Ants, etc.

For the control of Wireworm plant a bait of 2-1b. of sand or corn or peas, before the garden is planted, covering the bait crop to a depth of about 3 inches in rows about 12 inches apart. Within one week, the Wireworms will be attracted to the bait crop and at this time apply Cyanogas by means of a garden seeder or by similar method, directly into the bait rows and about one inch below where the bait was planted. Remember that Cyanogas is injurious to growing plants and it must not be used except when there are no plants growing.

For further information ask for bulletin on Wireworm Control. (1 oz. can 50c) (25 lb. tin $3.75) f. o. b. Los Angeles. Sent by express only. Cannot be mailed.

A & M Hydrated Lime
An occasional application of Hydrated Lime to the lawn will correct acidity in the soil. Acid soils are usually caused by constant sprinkling and very often in shaded places of the lawn will be found a sur face growth of green moss. A & M Hydrated Lime will correct this by simply being applied on the surface and sprinkled. It loosens up heavy soils and prevents packing, baking and cracking, thereby making cultivation easier. It promotes the normal decay of organic matter in the soil. It requires about one-half as much Hydrated Lime as any other form of lime to produce the same results. $1.50 per 50-lb. sack, f. o. b. Los Angeles; 4-lb. cartons 25c, by mail 35c.

Squirrel Poison—Moore's
(Grain). A certain and specific destruction of shrews, squirrels, crows and mice. (Small size 50c) (Medium size $1.00) (1 lb. tin $1.90) (5 Gallon drums $5.50). Cannot be mailed.

A & M Hydrated Lime

Carbon Bi-Sulphide
May be used for the control of the large red ant. It is used to some extent for wireworm infested soil but must be applied when there is nothing growing in the soil. (1 pt. bottle 50c) (1 qt. bottle 40c) (Qt. 60c) (Gal. $2.25) (5 Gal. $8.50) f. o. b. Los Angeles. Sold by express or freight only.

Pruning Compound
For covering fresh cuts or bruises on trees and is particularly valuable for figs, walnuts, etc. Will not mature in healing wounds without retarding the growth of the tree. (1 oz. Can 50c) (1 Gal. Can $2.25) f. o. b. Los Angeles. May be sent by mail.

Tree Seal
An ideal grafting inarching or pruning compound and is also useful for many household purposes. (1 pt. 35c) (1 qt. 60c) (1 gal. $1.86) (5 gal. $7.50) f. o. b. Los Angeles. Can be mailed.

Schrader's Ant Powder
A safe, easy and effective way of destroying ants in corn or by sprinkling powder on the trails and around the house. State whether powder is needed—Argentine Ant or Red Ant.

Packed in 4-oz. containers—(2 oz. 25c) (2 oz. 50c) (12 oz. $1.00). Postage extra.

Cyanogas

Antrol
Kills Ants in the Nest
The National Ant Control
New Method "Gets" Them at Their Source—Safe, Permanent, Effective

The Antrol system is adapted to any size house or garden and quickly destroys all species of sweet eating ants. It is composed of small glass containers and a special formula of syrup. The containers are partially filled with syrup and placed about the outside edges of the house or along "ant" trails. When the ants find the syup they are attracted to it. The ants smell the syrup, eat it and then transmit its mild poison to the queen in the nest. Soon the entire ant colony is destroyed.

The complete system should cover every 15 feet around the outside of the house or "ant" trails in the garden. Once applied, permanent, effective and safe protection is insured from these annoying pests.

Prices—Antrol sets containing 4 containers and 1-4-oz. bottle of syrup $2.50; Antrol extra containers (each), 15c; Antrol syrup, 4-oz. bottle, 35c; pints, 75c; quarts, $1.25; gallons, $3.00; 5 gallons, $13.75. Cannot be mailed.

SEMESAN
A seed, plant and soil disinfectant. It will successfully prevent or control diseases of seed except in the least impairing their vitality, but on the other hand generally increases germination, invigorates seedling growth, and develops sturdier plants. Semesan will also prevent or control the "Damping-off" of seedling cuttings and certain soil-borne diseases. Treatments can be made in dust or liquid form. (4 oz. tin $1.75) (5 lb. tin $2.50) f. o. b. Los Angeles. Cannot be mailed.

Semesan Jr.
A less expensive but equally effective form of Semesan for dry dust disinfection of seed corn only. Controls diseases and at the same time increases yields from 10 to 40%. (4 oz. can 50c) (1 lb. tin $1.75) (5 lb. tin $8.90). F. O. B. Los Angeles. Cannot be mailed.

Semesan Bel
Applied to whole or cut seed potatoes, either as a dry powder or in liquid form. Semesan Bel will prevent or control the common seedborne potato diseases. Also very effective in treatment of Gladioli and other bulbs, and produces healthier plants. (4 oz. tin 50c) (1 lb. tin $1.75) (5 lb. tin $8.00) f. o. b. Los Angeles. Cannot be mailed.

Nu-Green
Recommended for brown patch control. Contains the same effective ingredients as Semesan but has the added property of quickly restoring disturbed grass conditions. (3 oz. can 50c) (1 lb. tin $2.00) (5 lb. tin $9.00) (25 lb. jell $37.50) f. o. b. Los Angeles. Cannot be mailed.

Free Descriptive Booklets Sent Upon Request

Tobacco Stems
Used extensively by nurseries and florists for furnishing green houses. Poulticians also use it in their nests. Small quantities by express 26c per lb. f. o. b. Los Angeles. Bales 150-200 lbs. 15c per lb. f. o. b. Los Angeles. Prices subject to change.
SPRAY PUMPS

BROWN'S AUTO SPRAY NO. 50

Light Weight—Specially Recommended

This sturdy machine is almost identical to Auto-Spray No. 9 in construction and manipulation, but with smaller capacity, holding about 2½ gallons. Height 18 inches, diameter 3 inches. It is entirely suitable for spraying on a smaller scale. It is particularly recommended for use where weight is a factor, as when the women folks or youngsters help out with the spraying. Furnished with angle nozzle.

Construction and uses same as No. 9. Equipment same as No. 9, except 15 inch extension in place of 2 feet. Solid seamless brass pump and check valve. Weight empty 6 lbs., loaded 25 lbs., shipping weight 7 lbs.

No. 50-B Brass Tank with Auto-Pop...
No. 50-D Galv. Tank with Auto-Pop...

(F.O.B. Los Angeles)

Hudson Junior Sprayer

Similar to above. Galv. tank of 2½ gallon capacity; all working parts brass. Complete with hose and 1 foot brass extension rod. Shipping weight 8 lbs. Price $3.75 f.o.b. Los Angeles.

BROWN'S AUTO-SPRAY NO. 9

Sturdy compressed air sprayer, equipped with a heavy brass screw cap to lock pump in reservoir. The metal in the tank is lock-seamed, well riveted, soldered inside and out. May be obtained with brass or galvanized tank. Brass tank is strongly recommended as it will not rust and will withstand strong solutions. Capacity 4 gallons. Height 2 feet, diameter 7 inches. For spraying field crops, shrubs, vines, poultry houses; for removing wall paper, disinfecting, white-washing, crossing stile pipes, applying fungo oils and for general purposes. Two-foot extension with each machine, no extra price. New solid seamless brass pump and brass ball check valve. Furnished with angle nozzle. Weight spray 9 lbs. Packed for shipment 10 lbs.

No. 9-B Brass Tank with Auto-Pop...
No. 50-D Galv. Tank with Auto-Pop...

(F.O.B. Los Angeles)

BROWN'S AUTO-SPRAY NO. 26

A continuous atomizer of unusual merits. The container can be detached for refilling and cleaning by simply removing the screwing from the pump cylinder. The siphon tube is easily removed and quickly cleaned by removing the nozzle. Uses—For spraying garden crops, for use in greenhouses, for handling disinfectants and fly oils. It can be used with all spraying solutions.

No. 26-AH, tin pump, 1 qt. glass tank...
No. 26-B, tin pump, 1 qt. brass tank...
No. 26-C, all brass, 1 qt...

(F.O.B. Los Angeles)
Sprayers -- Continued

THE MISTON CONTINUOUS SPRAYER

Highly perfected design of continuous sprayer. It has a variable nozzle that makes Mist-On an all purpose sprayer. A slight turn to right or left gives a nozzle adjustment that permits every density of spray from delicate vapor mist to a solid stream. Mist-On is sold singly as a complete sprayer, or as an outfit consisting of 1 extra tank (for changing the other solution or color of lacquer) and many other extra parts.

Single Sprayer A, tin.......................... $1.50 each
Single Sprayer C, brass......................... 2.00 each
Mist-On Outfit 1-A, tin........................ 2.75 each
Mist-On Outfit 1-C, brass...................... 3.50 each

(Prices F.O.B. Los Angeles)

A & M SUPERIOR MISTY SPRAYER

All tin. Holds 1 quart. Price .................. 50c By Mail 60c
Midget size. Holds 1 pint. Price ............... 40c By Mail 60c

BROWN'S TWIN BLAST SPRAYER

On account of its having two syphon tubes this sprayer throws an unusually large blast of misty spray. Very effective.

Tin pump with glass tank, 1 qt., 75c. Age 10c.

Dusters For Garden and Field

THE VERMOREL "TORPILLE" SULPHURING MACHINE

Without any doubt the Vermorel Sulphur Duster does the work perfectly. It has a carrying capacity of 10 pounds: it distributes the weight on the shoulders and back, leaving the hands of the man operating the machine free to work the pump and open up the vines.

The sulphur, violently projected by a powerful bellows, sends out of the paddle-shaped nozzle, which can be directed at will, dust as fine as mist, thus producing highest efficiency with least sulphur.

No. 1 $16.00. No. 2, double action $19.00, f. o. b. Los Angeles.

GRUN DUSTERS

These dusters are used very extensively by market gardeners. They are strong, easy of operation and grind the coarsest materials to line powder.

No. 1, capacity 22 lbs., net weight 15 lbs. $16.50
No. 2, capacity 13 lbs., net weight 13 lbs. $16.20

f. o. b. Los Angeles

DUSTER BROWN No. 1

Duster Brown No. 1 is adapted for use with sulphur and all insect powders. Because of its size and efficiency it is a favorite with the housewife in applying roach, ant and various bug powders. Also very practical for dusting rose bushes, etc., in small gardens. This little gun makes dusting a pleasure. Price 60c. By mail 60c.

BROWN'S CRYSTAL DUSTER

Brown's Crystal Duster is one of the newest type dusters on the market. This duster has the glass jar feature which enables the operator to see the agitation of the dust and shows the amount of dust in the container. It is equipped with a long extension and adjustable nozzle which enables the operator to dust from underneath without bending. Brown's Crystal Duster, tin cylinder, glass container, 1 qt. $1.30; postage 10c.

Seeders

Cahoon Seeder

The Standard Sower acknowledged to be superior to all other hand sowers. Gives perfect satisfaction, and can be used for sowing alfalfa and grains broadcast. Sows from four to eight acres per hour at a common walking gait. A saving of four-fifths of the labor and one-third of the seed by its use. A person entirely unaccustomed to sowing by hand can use this machine with perfect success. Price $6.00 f. o. b. here. Weight crated 8 lbs. Can be sent by mail.

Cyclone Seed Sower

This Seeder is equipped with the following important features: Sloping feed board, automatic feed adjustment, distributing wheel, triple gears. Weight, 5 lbs. Price $2.50, f. o. b. Los Angeles.

Planet Jr. Seeders & Cultivators

We have a full line of these in stock. Write for descriptive catalog.
AGGELER & MUSSER SEED CO.
Los Angeles, California

Hotkaps
Protect plants from frost

HOTKAPS are patented wax paper cones that completely cover each plant—the only way to fully protect them from frost. They are an “individual hothouse for each plant,” protecting them not only from frost, but from wind, rain, ground-crusting, and insects as well. This is your assurance of earlier, bigger crops and early-to-market prices.

HOTKAPS are quickly and easily “set.” One man can set over 3,000 of them a day. The illustrations on the left show how they are placed with the aid of the HOTKAP Setter and Tamper. Thousands of progressive farmers in every state are now regular users of this modern crop necessity. They are getting bigger, harder crops and greater profits than ever before.

Prices f. o. b. Los Angeles. Send postage extra if wanted by mail.

1,000—$11.50 per 1,000
5,000—$11.00 per 1,000
10,000—$10.75 per 1,000

250 Trial Package, including Garden Setter with Tamper, $4.00. 100 Home Package, including Garden Setter with Tamper, $2.50. No quantity sold less than 100.


Weights—1,000 package Hotkaps, 26 lbs.; 250 package, 9 lbs.; 100 package, 5 lbs.; Steel Hotkap Setter, 3 lbs.

GLASSINE FLAT PAPER PLANT COVERS
Glassine Flat Paper Plant Covers. An inexpensive and economical protection. These are not Hotkaps and have to be folded. Packed 1,000 to bundle. F. O. B. Los Angeles.

<table>
<thead>
<tr>
<th>Size</th>
<th>Approx. Weight</th>
<th>Price per 1000</th>
</tr>
</thead>
<tbody>
<tr>
<td>15 x 16</td>
<td>15 lbs. 3 ozs.</td>
<td>62c. 35c. 30c.</td>
</tr>
<tr>
<td>16 x 18</td>
<td>17 lbs.</td>
<td>67c. 40c. 30c.</td>
</tr>
</tbody>
</table>

The Expan Planting Pot
Made of heavy tar paper. Open top and bottom. For propagating plants, trees and shrubs—no waste space—no breakage. For the nurseryman, florist and market gardener. You can grow melons, squash, cantaloupes, cucumbers, etc., three weeks earlier in these pots than out in the open. When setting the plants in the field plant the pot and all, leaving about one inch above the top of the soil; this protects the tender plant from cut worms, wire worms, moles and field mice.

<table>
<thead>
<tr>
<th>Size</th>
<th>Price per 1000</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 in.</td>
<td>75</td>
</tr>
<tr>
<td>14 in.</td>
<td>90</td>
</tr>
<tr>
<td>16 in.</td>
<td>125</td>
</tr>
<tr>
<td>18 in.</td>
<td>150</td>
</tr>
<tr>
<td>20 in.</td>
<td>175</td>
</tr>
</tbody>
</table>

Spagnum Moss
For packing. Per bale $2.50 F. O. B. Los Angeles. Write for prices in quantity.

Green Moss
For lining hanging baskets. Per lb. 30c postpaid.

Yucca Tree Protectors
Protect the young trees from rabbits, squirrels, etc.

<table>
<thead>
<tr>
<th>Weight</th>
<th>Price per 1000</th>
</tr>
</thead>
<tbody>
<tr>
<td>1000</td>
<td>100</td>
</tr>
<tr>
<td>1500</td>
<td>150</td>
</tr>
</tbody>
</table>

Raffia
Natural raffia for tying vegetables. Pounds 45c postpaid. Write for prices on larger quantities.
Lawn Roller
Water
Ballast
Convenient
to Move

No. 2—34 inches high; 24 inches wide. Weight filled 145 lbs. Price $16.00.
No. 4—18 inches high; 24 inches wide. Weight filled 275 lbs. Price $18.00.
No. 7—24 inches high; 24 inches wide. Weight filled 418 lbs. Price $26.25.
All f.o.b. Los Angeles

Lawn Mowers
Pennsylvania Radio—Ball bearing:
8-inch wheel; four blades:
14 inch $12.50
16 inch $13.50
f.o.b. Los Angeles

Lawn Edger
Just the thing to put the finishing touches to your lawn. $1.25 each. F. O. B. Los Angeles.

Fog Nozzle
For fine spray or straight stream 75c postpaid.

No. 130—Revolving Sprinkler. Each $1.25 postpaid.

Garden Hose
Our hose is made of the finest materials and will last for several years with ordinary care.

\[
\begin{align*}
\frac{1}{2} \text{ inch, 25 foot length} & : 3.25 \\
\frac{1}{2} \text{ inch, 50 foot length} & : 6.25 \\
\frac{1}{4} \text{ inch, 25 foot length} & : 4.00 \\
\frac{1}{4} \text{ inch, 50 foot length} & : 7.46 \\
\text{F. O. B. Los Angeles.}
\end{align*}
\]

SUNSHINE SPRINKLER
No. 3—For field and large garden use. Covers a circle of about 60 ft. under 50 lbs. water pressure. Each $6.00.
No. 32—Includes outer spray. Each $7.00. F.O.B. Los Angeles.

No. 131—Will cover circle 40 ft. diam. (Length shank 9 in.) Ea. $1.75 postpaid.

Twin Sprinkler
No. 70
Each 35c Postpaid.

Ross Sprinkler
For lawns and fine sprinkling. No. 10 Long Shank 80c. No. 20 Short Shank 80c. Postpaid.

Rubber Plant Sprinkler
For spraying seeds in flats and house plants. Small size 90c. Large size $1.50 postpaid.

E. Z. Bermuda Rake
In preparing to reseed the Bermuda Grass lawn in the Fall, the E. Z. Bermuda Rake will do very effective work. The sharp knives cut the grass and lift it. After the Bermuda has been removed rooted with A & M VELOVET LAWN GRASS and covered with a light mulch of sheep manure. E. Z. 15 tooth rake, $1.85. E. Z. 9 tooth rake (suitable for ladies) $1.25 f. o. b. Los Angeles. Sent by Express.

Original Havill Lawn Weeder
One of the handiest tools for weeding the lawn. Each 50c postpaid.
No. 2092 V Pruning Shears
California Pattern, black malleable iron handle, volute spring. $1.00 postpaid.
No. 2192 V—Same as above except that handle is polished steel. $1.50 postpaid.

No. 4192 F
California Pattern, all polished steel, and double polished brass inter-locking spring. Adjustable ratchet lock nut. $2.00 postpaid.

No. 1091 S
Cheap shears for light pruning. Malleable iron handle and coil spring. 60c postpaid.

No. 4155 F
Reiser Pattern Pruning Shears
Made of the very best steel, all polished. These shears are used by orchardists and landscapers for heavy pruning. $3.75 postpaid.

Hedge Shears
No. 509-S—9-inch Serrated. Finest quality steel. $2.75 postpaid.

No. H9 Grass Shears
The most convenient shears on the market. Semi-polished blades. Each 90c postpaid.
No. 90—Same as above except blades tempered hardened, and highly polished. Each $1.50 postpaid.

Garden Trowel
All Steel. 35c Postpaid.

Transplanting Trowel
All Steel. 25c Postpaid.

Weather Proof Pencils
To be used for writing labels on garden plants. Every dahlia grower should have one of these. Will not fade in sun or rain. 15c each, 3 for 35c postpaid.

Transplanter
A Transplanter that does the work without disturbing the roots. It first makes the hole where you wish the plant, then picks up the plant root and all, without disturbing it, and sets the plant into its new location without checking its growth. A child can operate it. Just the thing for Eucalyptus growers and nurserymen. (50c) (by mail 60c).

Hose Couplings
Self fastening. Per pair 35c postpaid.

Hose Menders
Men in a minute. 15c ea. postpaid.

Pennsylvania Fruit Picker
These pickers are made of strong galvanized wire. The fruit is pulled off the branches by the hooks and is held in the receptacle just below. We do not supply handles. Each 85c, by mail 95c.

Grafting Wax

<table>
<thead>
<tr>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/4 lb.</td>
<td>.25</td>
</tr>
<tr>
<td>1/2 lb.</td>
<td>.40</td>
</tr>
<tr>
<td>1 lb.</td>
<td>.75</td>
</tr>
<tr>
<td>5 lb.</td>
<td>$2.65</td>
</tr>
</tbody>
</table>

Simplex Weatherproof Garden Labels
The card holder is made of special rust proof iron, welded to an iron stake 24 inches long. The card is white celluloid protected by a transparent mica cover. Each 25c postpaid. 10 for $2.25 postpaid.
A & M Victor Gopher Trap

Because of self-setting jaws this trap is extremely easy to set and is always open when set. It fits snugly in a gopher hole without digging and is equipped with an anchor chain. Very sturdy. Price postpaid 30c.

Gopher Scent

The scent attracts the gopher and draws him to the bait. We have had some wonderful reports on Gopher Scent and feel that we cannot recommend it too highly. (Small pkg. 35c) (Medium size 50c) (5 lb. tin $2.00) (15 lb. pkg. $6.00) (100 lb. tin $25.00) f. o. b. Los Angeles. Cannot be mailed.

"Dead Sure Rodent Destroyer"

This rodent destroyer is in the form of a paper cartridge. After setting the fuse alight, place the cartridge down the burrow and the pests are gassed. Package of one dozen 50c.—it cannot be mailed.

Gopher-Gas Balls Are used by lighting and rolling into the burrows of the gopher; the same as the Gopher Candle. (Per doz. 60c) (Box of 125, $3.75) postpaid. Can be sent by mail.

Cyanogas for Gophers—See Page 90

HOT BED THERMOMETERS

Indispensable to gardeners for indicating the temperature of hot beds. No. 5881 Price $1.00 each.

INCUBATOR THERMOMETERS

Each

No. 5770 Incubator Thermometer—Straight back with legs... $ .75
No. 5776 Incubator Thermometer—White finish, furnished with stand... 1.00
No. 5783 Incubator Thermometer—Certified... 1.25
No. Z-3017 Incubator Thermometer—Without Legs... 1.00

BROODER THERMOMETERS

No. 5792—Eight inches long. Round wood frame... each $ .75
No. 5794—Flat Silvered Brass... each $ .75

HYGROMETER

The Hygrometer is not a regulator of moisture, but it indicates the moisture present in atmosphere surrounding the eggs and enables the operator to maintain correct conditions so that eggs will not dry down too much.

No. 5796... each $ 1.75
IMPROVED RELIABLE BROODER
RAISE YOUR CHICKS THE SCIENTIFIC WAY
Standard Blue Flame, Wickless, Oil Heated Colony Brooder

You can operate this brooder to full capacity or just as low as desired with equal success. It burns with a clear blue flame minus fumes or odor. A great advantage with the heater is that there is no packing or stuffing box arrangement to get loose or leak. Only the best grade long fiber asbestos is used in the lighting. They burn less oil than a metal vaporizer.

No. 2, 1,000-chick capacity, shipping weight 45 lbs., price $12.50 f.o.b. Los Angeles. No. 2 Canopy only, $7.00. Heater only, $5.00 f.o.b. Los Angeles.

SEARCHLIGHT EGG TESTER

Intertile eggs in an incubator mean a loss of time and money. The testing of eggs is a very important part of incubation and a little expense at the beginning will pay well in the end. The Searchlight will do the job quickly and do it well. It should be a part of your equipment, whether you are operating one incubator or a dozen. Postpaid $5.00.

A & M Egg Testers
No. 2—Tin with opening on side 40c postpaid.
No. 3—Tin made to fit any lamp, 90c postpaid.

ALBATROSS PURITOL

Keeps the Coops and Barns White and Sanitary.
Albatross Puritol is a white disinfectant paint in dry powdered form and is ready for use when mixed with cold water. It is one of the best forms of health insurance for stock and poultry. May be applied to any solid surface, such as wood, cement, brick, stone or iron, and when dry will be snow white. It is economical in cost, durable, easy to apply and is a powerful disinfectant. It kills mites, fly eggs and lice.

Price (1/4 lb. pkg, 40c) (6 lbs. for $1.10) postpaid.

POULTRY PUNCHES
A Practical Punch for Marking Baby Chicks

Pettey’s, 25c each postpaid

BUHACH POWDER

For dusting setting hens and baby chicks. No danger in using it. (Pkgs. 25c) (6 oz. 50c) (6 oz. 75c) (12 oz. 1.25) (5 lbs. $6.75) f.o.b. Los Angeles.

China Nest Eggs
We handle only the best grade of glass eggs, strong and durable. 65c dozen, 75c postpaid.
The RELIABLE Egg Scale is built for speed, accuracy and endurance. It has a quick double shift, just a flip of the finger, and you can get all the weights required with the one shift, thereby taking the place of two scales.

Price $2.90 each, f. o. b. Los Angeles; $3.00 postpaid.

LITTLE GIANT FOUNT

This valve for the automatic control of water is of very simple design, consisting of the valve body, plunger and washer, stem and float. It comes with ½ inch bushing and for use on a standard ⅜ inch pipe a reducer is necessary.

Price $1.00 postpaid.

The RELIABLE Egg Scale The WATER BOY

No. 1

No. 2

No. 3

Automatic Fountain for Poultry and Pet Stock

The No. 1 Water Boy Combination shown above includes pressure regulating shutoff, with automatic float valve. The automatic may be detached from the upper shutoff without disturbing the water line and the fowls need not be without water as the shutoff may be used alone as a drip. The Combination No. 1 with brass lever and brass float $1.50.

No. 2—Fig. No. 2 above shows shutoff valve and this may be used alone as a drip valve or in combination with automatic valve. No. 2 drip valve price 50c.

No. 3—As shown above this is the Water Boy automatic float valve with brass lever, brass float and street ell, No. 3 Combination $1.25.

LEG BANDS FOR POULTRY

Spir-o! Leg Bands are made in all colors and all sizes, and are put on and taken off like a key ring. Can't drop off. Colors are black, white, red, yellow, blue, green, purple, light blue, maroon and pink. In ordering please state color wanted, also name of breed. Leghorns, Rocks, Rhode Island Reds or Turkeys. It enables us to fill the order satisfactorily. Prices:

12 Bands for .15 postpaid
25 Bands for .25 postpaid
50 Bands for .50 postpaid
100 Bands for .75 postpaid
500 Bands for 3.60 postpaid
1000 Bands for 7.00 postpaid

Spir-o! Band for Chick, Bantam and Pigeon size as follows: 12 for 40c; 25 for 75c; 50 for $1.00; 100 for $1.25; 500 for $3.00; 1000 for $5.50. These bands come in the same colors as given above for Poultry Bands.

FLAT ALUMINUM LEG BANDS

These bands fit any variety fowls.

Price—(Numbers run from 1 to 1,000) (25 for 30c) (50 for 60c) (100 for 75c) postpaid.

ECLIPSE DOUBLE NUMBER COLORED—For Chickens

In Unbroken Sets Only

Large double numbers on colored background. In 12 colors, 3 sizes. State breed and set. (12 for 40c) (25 for 75c) (50 for $1.45) (100 for $2.75) postpaid.

ELITE PIGEON BANDS

Carried in all colors and in unbroken sets only.

Price $1.35 postpaid.

CASA FOUNT

The float consists of an ordinary electric globe which can be replaced by any burnt out globe from the house. The water level is regulated by a simple method of adjusting the float. Can be simply and effectively shut off. Very efficient and durable. Price $1.35 postpaid.

LEG BANDS FOR POULTRY
Dr. Hess' Poultry and Stock Preparations

Pr ices are f. o. b. Los Angeles

Dr. Hess' Poultry Pan-a-min
Helps to Keep Poultry Healthy and to Make Hens Lay

Pan-a-min, formerly known as Panacea should be fed regularly the year round to obtain the best results from your flock. Car loads of this proven food tonic are sold in the large poultry districts of California. It is an excellent tonic for molting time, is an egg producer and is an economical and highly satisfactory food.

PRICES:

- 3 lb. pkg. $ .65
- 7 lb. pkg. .125
- 15 lb. pkg. .25
- 25 lb. pkg. .35
- 100 lb. drum 12.00

Poultry Ver-mi-trol (For Worms in Poultry)
Ver-mi-trol is a flock treatment. No individual handling of birds is necessary. It is simply given with the feed in two 10-day courses, three weeks apart with Pan-a-min fed regularly.

<table>
<thead>
<tr>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 lb.</td>
<td>$1.50</td>
</tr>
<tr>
<td>10 lb.</td>
<td>$2.25</td>
</tr>
<tr>
<td>25 lb.</td>
<td>$3.50</td>
</tr>
</tbody>
</table>

Chick Tablets
Most diarrhoea conditions in chicks are the result of improper feeding or brooding and can be corrected by Dr. Hess' Chick Tablets.

<table>
<thead>
<tr>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>100 tablets</td>
<td>$ .50</td>
</tr>
<tr>
<td>225 tablets</td>
<td>1.10</td>
</tr>
</tbody>
</table>

Instant Louse Killer
Kills lice on contact on stock and poultry. Easily applied by putting in dust bath. It is non-poisonous and may be used on edible plants and flowers for plant lice. In handy sifting top cans.

<table>
<thead>
<tr>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 lb. pkg.</td>
<td>.30c</td>
</tr>
<tr>
<td>2½ lb. pkg.</td>
<td>.60c</td>
</tr>
</tbody>
</table>

Fly Chaser
A highly refined product developed thru fifteen years of experimentation. In addition to protecting cows and horses from flies it is an excellent disinfectant.

<table>
<thead>
<tr>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>½ gal. can</td>
<td>$1.00</td>
</tr>
<tr>
<td>1 gal. can</td>
<td>1.75</td>
</tr>
<tr>
<td>5 gal. can</td>
<td>8.00</td>
</tr>
</tbody>
</table>

Antiseptic Powder
For treatment of cattle for wire-cuts, scratches, boils and wounds. Equally valuable for household use.

<table>
<thead>
<tr>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 oz. can</td>
<td>.25c</td>
</tr>
<tr>
<td>10 oz. can</td>
<td>.50c</td>
</tr>
</tbody>
</table>

Stock Tonic
This product has been serving the dairy interests of the country for upwards of 35 years. A summary of many comparative tests, covering three whole years shows that cows receiving Dr. Hess' Stock Tonic produce on the average, 5.9% more milk than cows not getting the Tonic.

<table>
<thead>
<tr>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 lb. pkg.</td>
<td>.85</td>
</tr>
<tr>
<td>15 lb. pkg.</td>
<td>2.25</td>
</tr>
<tr>
<td>25 lb. pkg.</td>
<td>3.50</td>
</tr>
<tr>
<td>100 lb. drum</td>
<td>12.00</td>
</tr>
</tbody>
</table>

Hog Special
A conditioner and mineral supplement for hogs only.

<table>
<thead>
<tr>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>15 lb. pkg.</td>
<td>$2.25</td>
</tr>
<tr>
<td>25 lb. pkg.</td>
<td>3.50</td>
</tr>
<tr>
<td>100 lb. drum</td>
<td>12.00</td>
</tr>
</tbody>
</table>

Dip and Disinfectant
A standardized product with an established carbolic acid co-efficient. Valuable about barns and stables kills hog lice and other parasites and keeps down foul odors.

<table>
<thead>
<tr>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pint bottle</td>
<td>.50</td>
</tr>
<tr>
<td>½ gal. can</td>
<td>.75</td>
</tr>
<tr>
<td>1 gal. can</td>
<td>1.25</td>
</tr>
<tr>
<td>5 gal. can</td>
<td>5.00</td>
</tr>
</tbody>
</table>

Diversol
Cleanses—Destroys Bacteria—Deodorizes

Diversol is sodium hypochlorite chemically combined with alkaline phosphate in crystalline form. It is a wonderful new product for sterilizing, cleaning and deodorizing. It is non-poisonous and can be used in cold or lukewarm water.

For the Poultryman—Used in the drinking water Diversol destroys bacteria instantly and stops further communication from diseased birds to the rest of the flock. It is also a specific for treatment of colds, roup, chicken pox and favus. As a spray for incubators it is indispensable.

For the Dairy Farmer—Diversol fulfills a long felt want for a product to take the place of steam and hot water for sterilizing all dairy equipment. One pound is sufficient to make 100 gallons of rinsing solution.

For General Household Use—Diversol offers many advantages to the housewife in cleaning and deodorizing refrigerators, bread boxes, garbage cans and so forth. For laundering, dishwashing and bathing it softens the water and eliminates soap deposit. It removes stains and bleaches cottons and linens. Full directions with each package.

<table>
<thead>
<tr>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 lb. pkg.</td>
<td>$1.00</td>
</tr>
<tr>
<td>10 lb. pkg.</td>
<td>$4.00</td>
</tr>
<tr>
<td>25 lb. pail</td>
<td>$8.75</td>
</tr>
<tr>
<td>postage extra</td>
<td></td>
</tr>
</tbody>
</table>
GENEVA FEED CUTTERS

This ideal feed cutter is adaptable to all kinds of feed, green or dry, from the finest prairie grass to the largest corn stalks, and it is the most satisfactory machine for the poultry raiser. The blades are on a balanced wheel and the machine can be regulated to cut from 3/4 to 1 1/4 inches, which is a very popular feature. All parts are adjustable to wear and replaceable, giving the machine long life. The frames are hardwood, finished in natural color. May be used as a hand or power machine. We carry four sizes.

Pulley for No. 4, 6 or 8. $3.00. All prices are f.o.b. Los Angeles.

Dog and Cat Preparations
MILLER'S A-1 DOG FOODS

Miller's A-1 Products were originated and are being manufactured by men who own and love dogs. They are offered as a high quality food and are not a product of any other line of manufactured foodstuffs. There is no set rule for feeding the dog. Size along would break any feeding rule. Any dog enjoys an occasional change of diet the same as human beings and for this reason Miller's A-1 Dog Foods are offered in a variety. First, there is the well-known Biscuit, then the Kibbled Biscuit, and the Rations. The last named is splendid for an occasional change. Write for free booklet, "THE PINK OF CONDITION," a treatise on dogs.

Miller's A-1 Biscuit
If your dog is not accustomed to eating Miller's A-1 Biscuit, it is suggested that the change be made gradually. A-1 Biscuit is made of fresh beef, wheat, oatmeal, corn, cod liver oil and bone. The vitamins are there and dogs thrive on this biscuit.

25 lb. sack $3.10
50 lb. sack 6.00
100 lb. sack 11.50
F.O.B. Los Angeles.

Miller's A-1 Kibbled Biscuits
This is Miller's A-1 broken up into convenient form for mixing with meats, soups, gravy, vegetables, etc.

25 lb. sack $3.15
50 lb. sack 6.10
100 lb. sack 11.75
F.O.B. Los Angeles.

Miller's A-1 Ration

A granular cereal meat food, thoroughly cooked, ready for use. For all breeds and ages.

25 lb. sack $2.75
50 lb. sack 5.25
100 lb. sack 10.00
F.O.B. Los Angeles.

Miller's A-1 Puppy Meal

Especially adapted for the tender digestive organs of young puppies. It Insures good bone and muscle for growing dogs. Should be fed with easily digested foods such as milk, soups, or finely ground meat.

25 lb. sack $3.15
50 lb. sack 6.10
100 lb. sack 11.75
F.O.B. Los Angeles.

MILLER'S A-1 VITAMIL
Vitamill is not a complete food, but is a balanced ration of vitamins and minerals. An average dose is about 1/8 of the total food given. 4 oz. can 50c, 8 oz. can 75c, 16 oz. can $1.25, f.o.b. Los Angeles.

KEN-L-RATION
The Original Canned Food For Dogs
A complete food requiring no preparation whatever. The product contains a high percentage of meat, cereals, calcium, phosphates, and cod liver oil in light proportion to make a scientifically balanced food for dogs and all carnivora. 1 lb. can 15c, 5 cans for $1.00. Case of 48 1-lb. cans $6.25, f.o.b. Los Angeles.

PUP-E-RATION
Contains red meat and marrow product. Too concentrated for straight feeding. A two and one-half pound can, supplemented with water and roughage, will make from eight to twelve pounds of appetizing, nourishing food for kennel use. 2 1/2 lb. can 45c, f.o.b. Los Angeles.

HEMO-RATION
A blood making food especially recommended for breeding animals of both sexes. For anemic or convalescent animals it is invaluable. It carries a large percentage of cod liver oil and is rich in organic iron and calcium phosphate. 1 lb. can 25c, 5 lb. can $1.00. Case of 48 one lb. cans $8.50, f.o.b. Los Angeles.

MARRO-MEAT
A clear meat and marrow product. Too concentrated for straight feeding. A two and one-half pound can, supplemented with water and roughage, will make from eight to twelve pounds of appetizing, nourishing food for kennel use. 2 1/2 lb. can 45c, f.o.b. Los Angeles.

MILLER'S A-1 DOG SOAP
Kills fleas and similar vermin. Keeps the scalp healthy; deodorizes and insures a glossy coat.
Per bar 25c postpaid.

KIT-E-RATION
The cat food supreme. This canned preparation is a wonderfully balanced ration ready to serve. The ingredients contain properties so very essential for the growth and development of the cat or kitten. 1-lb. can 15c, 7 1-lb. cans $1.00; case of 48 1-lb. cans $6.25; f.o.b. Los Angeles.

CATNIP MICE
Your cat will enjoy a catnip mouse and you will enjoy seeing the play.
Each 15c postpaid.
BIRD SUPPLIES

HALLER’S BIRD FOODS AND REMEDIES

We have found Haller’s Bird Supplies to be a very superior line in every way. Apart from the value of the contents the bottles and containers are packed in a very efficient manner, thus preventing any deterioration through worms.

Dutch Song Restorer—Keeps canaries in full song. Good in cases of Asthma and Diarrhea. It never fails.... $2.50

Bird Bitters—A splendid remedy for loss of song, weakness, moultting, etc........................... 20

Bird Plo—Can be fed all the year for best condition and full song. A treat.................................. 15

Bird Nesting—Essential at breeding time.......................................................... 10

Bird Tonic—Call for this when the bird has a cold. It is a preventative as well as a relief for all diseases.......................................................... 25

Canary Color Food—Will bring out that bright yellow in both young and old.............................. 25

Moulting Food—A tonic food for feeding during the moulting period................................. 25

Health Food—Should be fed at commencement of breeding. A fine builder......................... 25

Feather Restorer—For bald headed birds.......................................................... 45

Sure Egg Maker—Makes the hen’s eggs lay.................................................. 35

Nestling Food with Cod-Liver Oil—A bone and body builder. Essential to young birds.................. 15

Mocking Bird Food—For soft billed birds........................................................................ 35

Parrot Food—A balanced ration for parrots........................................................................ 25

Parrot Tonic—A preventative as well as a cure for all diseases........................................... 25

Sore and Scaly Leg Oil—Valuable for treating mites, insect bites, etc................................. 25

Mite Powder in Bellows—Useful for dusting the cage as well as the bird. Dust under the wings and the bird will spread the powder over itself.................................................. 30

Cage Wash—A good spray for killing all mites and mite eggs in cages................................. 25

Japanese Sun Dried Pepper Pods—Beneficial during cool weather....................................... 10

Maw or Poppy Seed—For mixing with regular seed about twice a week............................. 25

Haller’s Canary and Parrot Guide Sent Free on Application

BIRD CAGES

We carry a full supply of cages in brass, bronze, gunmetal, enamel, two-tone, etc. A floor stand in the latest designs to match all cages. A complete stock is on display at our Retail Store, 750 S. Figueroa St., Los Angeles, California.

Cage Wash—A good spray for killing all mites and mite eggs in cages................................. 25

Japanese Sun Dried Pepper Pods—Beneficial during cool weather....................................... 10

Maw or Poppy Seed—For mixing with regular seed about twice a week............................. 25

Haller’s Canary and Parrot Guide Sent Free on Application

A & M Mixed Bird Seed—Recommended for home raised birds. 1 lb. pkg. 15c; 5 lbs. 65c. Postage extra.

Bird Manna, pkg................................................... 15c

Canary Seed, 1 lb................................................... 15c

Hemp, 1 lb................................................... 15c

Millet, large, 1 lb.................................................. 15c

Millet, small, 1 lb.................................................. 15c

Rape, Bird, 1 lb.................................................. 15c

Rape, Sweet German, 1 lb.................................................. 15c

Sorghum, 1 lb.................................................. 25c

A & M Gravel (2 lb. carton).................................................. 10c

Cuttle Bone, each.................................................. 05c

Book, Amer. Canary Bird Culture 35c

A & M Natural Fish Food, pkg.................................................. 10c

Clayton’s Dog and Cat Remedies

The success Dr. Clayton’s Remedies enjoy is due to the fact that each remedy is composed of the best drugs known to science for the disease for which they are prescribed.

The pills and tablets are put up in the smallest form possible to contain the proper dose, thus making them easy to administer.

Clayton’s Dog Remedies

Sarcoptic Mange Remedy....................... 60c

Skin Lotion.................................................. 60c

Hair Tonic.................................................. 60c

Keteraline Distemper Liquid.................. 60c

Condition Pills with Pepsi.................................................. 60c

Alternative Pills—Blood Purifying.............. 60c

Carminative Digestive Tablets.................. 60c

Laxative Pills.................................................. 60c

Worm Pills.................................................. 60c

Tape Worm Expeller.................................................. 60c

Verminfuge Soft Capsules.................................................. 60c

Verminfuge.................................................. 60c

Canker Lotion.................................................. 60c

Keteraline Distemper Tablets.................................................. 60c

Eye Lotion.................................................. 60c

Sedative Fit Remedy.................................................. 60c

Suphur Tablets.................................................. 60c

Puppy Tonic.................................................. 60c

Diuretic Rheumatic Tablets..................... 60c

Bowel Constringent.................................................. 60c

Chorea Tablets.................................................. 60c

Cod Liver Wash and Disinfectant.................. 35c

Shampoo.................................................. 25c

Kilflea Soap.................................................. 25c

Kilflea Powder.................................................. 35c

Cream Soap.................................................. 25c

Coaline Soap.................................................. 25c

Cod Liver Oil.................................................. 1.00

Goltre Medicine.................................................. 1.00

A & M Roller Mixture

Contains the very best imported Sweet German Rape and clean yellow canary seed. This mixture will keep the birds in song and in good health. 1 lb. pkg. 20c; 5 lbs. 85c. Postage extra.

Bird Cage Accessories

Cage Hooks

Each.................................................. 10c

10-inch brass.................................................. 12c

12-inch brass.................................................. 25c

14-inch brass.................................................. 30c

Single spring, light weight.................................................. 15c

Single spring, heavy weight................................. 20c

Double spring.................................................. 20c

3-foot chain and spring.................................................. 30c

Bath House

Glass enclosed.................................................. 90c

Bath Dish

Opal, large size.................................................. 20c

Bird Cups

Tulip shape (open at top), opal.................. 15c

Tulip shape (open at top), crystal.................. 15c

Closed, opal.................................................. 20c

Closed, crystal.................................................. 20c

Food holder or treat cup, 1/4 in. long................................. 10c

Wire Nest.................................................. 15c

Clayton’s Cat Remedies

Write for Clayton’s “Treatise on the Cat.”

Sarcoptic Mange Remedy....................... 60c

Keteraline Distemper Liquid.................. 60c

Keteraline Distemper Tablets.................. 60c

Tonic Catnip and Condition Tablets............ 60c

Alternative Tablets—Blood Purifier.............. 60c

Carminative Digestive Tablets.................. 60c

Laxative Tablets.................................................. 60c

Worm Tablets.................................................. 60c

Tape Worm Expeller Tablets..................... 60c

Verminfuge Liquid.................................................. 60c

Canker Lotion Tablets.................................................. 60c

Eye Lotion Tablets.................................................. 60c

Sedative Fit Tablets.................................................. 60c

Cough Syrup.................................................. 60c

Bowel Constringent.................................................. 60c

Mite Powder in Bellows.................................................. 60c

Rape, Bird, 1 lb.................................................. 15c

Rape, Sweet German, 1 lb.................................................. 15c

Sorghum, 1 lb.................................................. 25c

A & M Gravel (2 lb. carton).................................................. 10c

Cuttle Bone, each.................................................. 05c

Book, Amer. Canary Bird Culture 35c

A & M Natural Fish Food, pkg.................................................. 10c

(Postage extra)
Owing to the diversity of the soil and climatic conditions of the great Southwest, it is impractical to follow without some deviation any table that might be formulated. We believe this table is as nearly correct as one could be made, and it is hoped that the time of planting must vary with each location, and that sometimes the seasons at all similar that there is always an element of risk for the man who plants early. Each month, too, requires certain varieties best suited to the season and purpose for which it is planted.

**VEGETABLE CALENDAR FOR THE HOME GARDEN**

**VEGETABLE CALENDAR FOR FIELD PLANTING**

<table>
<thead>
<tr>
<th>VARIETY</th>
<th>SEED PER ACRE</th>
<th>ROW APART</th>
<th>APART IN ROW</th>
<th>WHEN TO PLANT</th>
<th>TIME TO MATURE</th>
<th>APPROXIMATE YIELD AND VALUE PER ACRE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Artichoke</td>
<td>1 lb</td>
<td>5 ft</td>
<td>4 ft</td>
<td>Oct. to Jan.</td>
<td>18 to 20 wks</td>
<td>5 tons</td>
</tr>
<tr>
<td>Asparagus</td>
<td>11,000</td>
<td>6 ft</td>
<td>4 ft</td>
<td>Dec. to Feb.</td>
<td>1 year</td>
<td>3 tons</td>
</tr>
<tr>
<td>Beans, bush</td>
<td>40 lbs</td>
<td>6 ft</td>
<td>4 ft</td>
<td>March to Sept.</td>
<td>8 to 12 wks</td>
<td>3 tons</td>
</tr>
<tr>
<td>Beans, pole</td>
<td>30 lbs</td>
<td>6 ft</td>
<td>4 ft</td>
<td>Mar. to Aug.</td>
<td>12 to 18 wks</td>
<td>4 tons</td>
</tr>
<tr>
<td>Beets, table</td>
<td>1 lb</td>
<td>6 ft</td>
<td>4 ft</td>
<td>April to Aug.</td>
<td>10 to 12 wks</td>
<td>10 tons</td>
</tr>
<tr>
<td>Bok Choy</td>
<td>10 lbs</td>
<td>6 ft</td>
<td>4 ft</td>
<td>March to Aug.</td>
<td>10 to 12 wks</td>
<td>5 tons</td>
</tr>
<tr>
<td>Cabbage, cauliflower</td>
<td>2 lbs</td>
<td>6 ft</td>
<td>4 ft</td>
<td>Sept. to March</td>
<td>10 to 12 wks</td>
<td>10 tons</td>
</tr>
<tr>
<td>Cabbage, lettuce</td>
<td>5 oz</td>
<td>6 ft</td>
<td>4 ft</td>
<td>Oct. to May</td>
<td>18 to 20 wks</td>
<td>10 tons</td>
</tr>
<tr>
<td>Celery, plants</td>
<td>30,000</td>
<td>6 ft</td>
<td>4 ft</td>
<td>May to Sept.</td>
<td>10 to 12 wks</td>
<td>10 tons</td>
</tr>
<tr>
<td>Celeriac, scarole</td>
<td>15 lbs</td>
<td>6 ft</td>
<td>4 ft</td>
<td>March to July</td>
<td>18 to 20 wks</td>
<td>10 tons</td>
</tr>
<tr>
<td>Corn, sweet</td>
<td>10 lbs</td>
<td>6 ft</td>
<td>4 ft</td>
<td>Aug. to Feb.</td>
<td>10 to 12 wks</td>
<td>10 tons</td>
</tr>
<tr>
<td>Cucumbers</td>
<td>2 lbs</td>
<td>6 ft</td>
<td>4 ft</td>
<td>Jan. to May</td>
<td>18 to 20 wks</td>
<td>10 tons</td>
</tr>
<tr>
<td>Endive (Chicory)</td>
<td>2 lbs</td>
<td>6 ft</td>
<td>4 ft</td>
<td>Sept. to March</td>
<td>10 to 12 wks</td>
<td>10 tons</td>
</tr>
<tr>
<td>Endive, lettuce</td>
<td>2 lbs</td>
<td>6 ft</td>
<td>4 ft</td>
<td>March to Oct.</td>
<td>18 to 20 wks</td>
<td>10 tons</td>
</tr>
<tr>
<td>Wicks, meter</td>
<td>1 lb</td>
<td>6 ft</td>
<td>4 ft</td>
<td>May to Sept.</td>
<td>10 to 12 wks</td>
<td>10 tons</td>
</tr>
<tr>
<td>Water Melon</td>
<td>1 lb</td>
<td>6 ft</td>
<td>4 ft</td>
<td>June to Sept.</td>
<td>10 to 12 wks</td>
<td>10 tons</td>
</tr>
<tr>
<td>Cantaloupe, melon</td>
<td>1 lb</td>
<td>6 ft</td>
<td>4 ft</td>
<td>May to Sept.</td>
<td>10 to 12 wks</td>
<td>10 tons</td>
</tr>
<tr>
<td>Cucumber, seed</td>
<td>2 lbs</td>
<td>6 ft</td>
<td>4 ft</td>
<td>Sept. to March</td>
<td>10 to 12 wks</td>
<td>10 tons</td>
</tr>
<tr>
<td>Currants</td>
<td>1 lb</td>
<td>6 ft</td>
<td>4 ft</td>
<td>Dec. to April</td>
<td>18 to 20 wks</td>
<td>10 tons</td>
</tr>
<tr>
<td>Cabbage, broccoli</td>
<td>1 lb</td>
<td>6 ft</td>
<td>4 ft</td>
<td>Feb. to Sept.</td>
<td>18 to 20 wks</td>
<td>10 tons</td>
</tr>
<tr>
<td>Cabbage, cauliflower</td>
<td>1 lb</td>
<td>6 ft</td>
<td>4 ft</td>
<td>March to Aug.</td>
<td>18 to 20 wks</td>
<td>10 tons</td>
</tr>
<tr>
<td>Celery, plants</td>
<td>30,000</td>
<td>6 ft</td>
<td>4 ft</td>
<td>Aug. to Oct.</td>
<td>18 to 20 wks</td>
<td>10 tons</td>
</tr>
<tr>
<td>Celeriac, scarole</td>
<td>15 lbs</td>
<td>6 ft</td>
<td>4 ft</td>
<td>July to Sept.</td>
<td>18 to 20 wks</td>
<td>10 tons</td>
</tr>
<tr>
<td>Corn, sweet</td>
<td>10 lbs</td>
<td>6 ft</td>
<td>4 ft</td>
<td>Feb. to Oct.</td>
<td>18 to 20 wks</td>
<td>10 tons</td>
</tr>
<tr>
<td>Cucumbers</td>
<td>2 lbs</td>
<td>6 ft</td>
<td>4 ft</td>
<td>Jan. to May</td>
<td>18 to 20 wks</td>
<td>10 tons</td>
</tr>
<tr>
<td>Endive (Chicory)</td>
<td>2 lbs</td>
<td>6 ft</td>
<td>4 ft</td>
<td>Sept. to March</td>
<td>10 to 12 wks</td>
<td>10 tons</td>
</tr>
<tr>
<td>Endive, lettuce</td>
<td>2 lbs</td>
<td>6 ft</td>
<td>4 ft</td>
<td>March to Oct.</td>
<td>18 to 20 wks</td>
<td>10 tons</td>
</tr>
<tr>
<td>Wicks, meter</td>
<td>1 lb</td>
<td>6 ft</td>
<td>4 ft</td>
<td>May to Sept.</td>
<td>10 to 12 wks</td>
<td>10 tons</td>
</tr>
<tr>
<td>Water Melon</td>
<td>1 lb</td>
<td>6 ft</td>
<td>4 ft</td>
<td>June to Sept.</td>
<td>10 to 12 wks</td>
<td>10 tons</td>
</tr>
<tr>
<td>Cantaloupe, melon</td>
<td>1 lb</td>
<td>6 ft</td>
<td>4 ft</td>
<td>May to Sept.</td>
<td>10 to 12 wks</td>
<td>10 tons</td>
</tr>
<tr>
<td>Cucumber, seed</td>
<td>2 lbs</td>
<td>6 ft</td>
<td>4 ft</td>
<td>Sept. to March</td>
<td>10 to 12 wks</td>
<td>10 tons</td>
</tr>
<tr>
<td>Cabbage, broccoli</td>
<td>1 lb</td>
<td>6 ft</td>
<td>4 ft</td>
<td>Feb. to Sept.</td>
<td>18 to 20 wks</td>
<td>10 tons</td>
</tr>
<tr>
<td>Cabbage, cauliflower</td>
<td>1 lb</td>
<td>6 ft</td>
<td>4 ft</td>
<td>March to Aug.</td>
<td>18 to 20 wks</td>
<td>10 tons</td>
</tr>
<tr>
<td>Celery, plants</td>
<td>30,000</td>
<td>6 ft</td>
<td>4 ft</td>
<td>Aug. to Oct.</td>
<td>18 to 20 wks</td>
<td>10 tons</td>
</tr>
<tr>
<td>Celeriac, scarole</td>
<td>15 lbs</td>
<td>6 ft</td>
<td>4 ft</td>
<td>July to Sept.</td>
<td>18 to 20 wks</td>
<td>10 tons</td>
</tr>
<tr>
<td>Corn, sweet</td>
<td>10 lbs</td>
<td>6 ft</td>
<td>4 ft</td>
<td>Feb. to Oct.</td>
<td>18 to 20 wks</td>
<td>10 tons</td>
</tr>
<tr>
<td>Cucumbers</td>
<td>2 lbs</td>
<td>6 ft</td>
<td>4 ft</td>
<td>Jan. to May</td>
<td>18 to 20 wks</td>
<td>10 tons</td>
</tr>
<tr>
<td>Number of Plants to Acre</td>
<td>DISTANCE APART</td>
<td>No. Plants</td>
<td>DISTANCE APART</td>
<td>No. Plants</td>
<td></td>
<td></td>
</tr>
<tr>
<td>--------------------------</td>
<td>---------------</td>
<td>------------</td>
<td>---------------</td>
<td>------------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Set at Regular Distances Apart</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 ft. by 6 in.</td>
<td>87,120</td>
<td>5 ft. by 2 ft.</td>
<td>4,336</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2 ft. by 6 in.</td>
<td>43,560</td>
<td>5 ft. by 3 ft.</td>
<td>3,304</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3 ft. by 12 in.</td>
<td>26,759</td>
<td>5 ft. by 4 ft.</td>
<td>2,173</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4 ft. by 12 in.</td>
<td>17,430</td>
<td>5 ft. by 5 ft.</td>
<td>1,430</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5 ft. by 17 in.</td>
<td>11,810</td>
<td>5 ft. by 6 ft.</td>
<td>3,209</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6 ft. by 21 in.</td>
<td>8,712</td>
<td>5 ft. by 7 ft.</td>
<td>630</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7 ft. by 24 in.</td>
<td>6,519</td>
<td>5 ft. by 8 ft.</td>
<td>302</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8 ft. by 28 in.</td>
<td>5,130</td>
<td>5 ft. by 9 ft.</td>
<td>193</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9 ft. by 32 in.</td>
<td>4,150</td>
<td>5 ft. by 10 ft.</td>
<td>150</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10 ft. by 36 in.</td>
<td>3,640</td>
<td>5 ft. by 11 ft.</td>
<td>110</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11 ft. by 42 in.</td>
<td>3,150</td>
<td>5 ft. by 12 ft.</td>
<td>90</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12 ft. by 48 in.</td>
<td>2,680</td>
<td>5 ft. by 13 ft.</td>
<td>72</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>13 ft. by 54 in.</td>
<td>2,240</td>
<td>5 ft. by 14 ft.</td>
<td>60</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14 ft. by 60 in.</td>
<td>1,860</td>
<td>5 ft. by 15 ft.</td>
<td>49</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15 ft. by 66 in.</td>
<td>1,530</td>
<td>6 ft. by 2 ft.</td>
<td>20</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16 ft. by 72 in.</td>
<td>1,240</td>
<td>6 ft. by 3 ft.</td>
<td>18</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>17 ft. by 78 in.</td>
<td>992</td>
<td>6 ft. by 4 ft.</td>
<td>15</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>18 ft. by 84 in.</td>
<td>8,712</td>
<td>6 ft. by 5 ft.</td>
<td>10</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Rule:** Multiply the distance in feet between the rows by the distance the plants are in the rows, and add to the number of square feet for each row or hill, which divided into the number of square feet (43,560), will give the number of plants to the acre.

---

### CALENDAR FOR FORAGE AND FIELD CROPS

**How to Plant**

<table>
<thead>
<tr>
<th>Variety</th>
<th>Seed Per Acre</th>
<th>How to Plant</th>
<th>Yield of Forage</th>
<th>Yield of Grain</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alfalfa</td>
<td>20 lbs.</td>
<td>Drill or Broadcast.</td>
<td>8 to 10 tons.</td>
<td>600 lbs.</td>
</tr>
<tr>
<td>Alfalfa</td>
<td>10 lbs.</td>
<td>Drill or Broadcast.</td>
<td>3 tons hay or pasture.</td>
<td>2000 lbs.</td>
</tr>
<tr>
<td>Beans</td>
<td>20 lbs.</td>
<td>Drill or Broadcast.</td>
<td>1500 to 2000 lbs.</td>
<td>2000 lbs.</td>
</tr>
<tr>
<td>Carrots</td>
<td>50 to 60 lbs.</td>
<td>Drill in rows 3 ft. apart.</td>
<td>1500 to 2000 lbs.</td>
<td>2000 lbs.</td>
</tr>
<tr>
<td>Cabbage</td>
<td>75 to 100 lbs.</td>
<td>Drill in rows 2 ft. apart.</td>
<td>1500 to 2000 lbs.</td>
<td>2000 lbs.</td>
</tr>
<tr>
<td>Cabbage</td>
<td>30 lbs.</td>
<td>Drill in rows 3 ft. apart.</td>
<td>1500 to 2000 lbs.</td>
<td>2000 lbs.</td>
</tr>
<tr>
<td>Cabbage</td>
<td>150 lbs.</td>
<td>Drill in rows 4 ft. apart.</td>
<td>1500 to 2000 lbs.</td>
<td>2000 lbs.</td>
</tr>
<tr>
<td>Corn</td>
<td>1500 to 2000 lbs.</td>
<td>Drill in rows 6 ft. apart.</td>
<td>1500 to 2000 lbs.</td>
<td>2000 lbs.</td>
</tr>
<tr>
<td>Corn</td>
<td>1000 to 2000 lbs.</td>
<td>Drill in rows 8 ft. apart.</td>
<td>1500 to 2000 lbs.</td>
<td>2000 lbs.</td>
</tr>
<tr>
<td>Cucumber</td>
<td>1500 to 2000 lbs.</td>
<td>Drill in rows 10 ft. apart.</td>
<td>1500 to 2000 lbs.</td>
<td>2000 lbs.</td>
</tr>
<tr>
<td>Cucumber</td>
<td>12 lbs.</td>
<td>Drill in rows 12 ft. apart.</td>
<td>1500 to 2000 lbs.</td>
<td>2000 lbs.</td>
</tr>
<tr>
<td>Crow Pea</td>
<td>60 lbs.</td>
<td>Drill or Broadcast.</td>
<td>1500 to 2000 lbs.</td>
<td>2000 lbs.</td>
</tr>
<tr>
<td>Cow Pea</td>
<td>60 lbs.</td>
<td>Drill or Broadcast.</td>
<td>1500 to 2000 lbs.</td>
<td>2000 lbs.</td>
</tr>
<tr>
<td>Drills</td>
<td>60 lbs.</td>
<td>Drill or Broadcast.</td>
<td>1500 to 2000 lbs.</td>
<td>2000 lbs.</td>
</tr>
<tr>
<td>Dried</td>
<td>60 lbs.</td>
<td>Drill or Broadcast.</td>
<td>1500 to 2000 lbs.</td>
<td>2000 lbs.</td>
</tr>
<tr>
<td>Grapes</td>
<td>50 lbs.</td>
<td>Drill or Broadcast.</td>
<td>1500 to 2000 lbs.</td>
<td>2000 lbs.</td>
</tr>
<tr>
<td>Grapes</td>
<td>50 lbs.</td>
<td>Drill or Broadcast.</td>
<td>1500 to 2000 lbs.</td>
<td>2000 lbs.</td>
</tr>
<tr>
<td>Grasses</td>
<td>60 lbs.</td>
<td>Drill or Broadcast.</td>
<td>1500 to 2000 lbs.</td>
<td>2000 lbs.</td>
</tr>
<tr>
<td>Grasses</td>
<td>60 lbs.</td>
<td>Drill or Broadcast.</td>
<td>1500 to 2000 lbs.</td>
<td>2000 lbs.</td>
</tr>
<tr>
<td>Grasses</td>
<td>60 lbs.</td>
<td>Drill or Broadcast.</td>
<td>1500 to 2000 lbs.</td>
<td>2000 lbs.</td>
</tr>
<tr>
<td>Grapes</td>
<td>60 lbs.</td>
<td>Drill or Broadcast.</td>
<td>1500 to 2000 lbs.</td>
<td>2000 lbs.</td>
</tr>
<tr>
<td>Grapes</td>
<td>60 lbs.</td>
<td>Drill or Broadcast.</td>
<td>1500 to 2000 lbs.</td>
<td>2000 lbs.</td>
</tr>
<tr>
<td>Grapes</td>
<td>60 lbs.</td>
<td>Drill or Broadcast.</td>
<td>1500 to 2000 lbs.</td>
<td>2000 lbs.</td>
</tr>
<tr>
<td>Grapes</td>
<td>60 lbs.</td>
<td>Drill or Broadcast.</td>
<td>1500 to 2000 lbs.</td>
<td>2000 lbs.</td>
</tr>
</tbody>
</table>

### NAMES OF VEGETABLES IN FOREIGN LANGUAGES

<table>
<thead>
<tr>
<th>English</th>
<th>French</th>
<th>Italian</th>
<th>Polish</th>
<th>German</th>
<th>Spanish</th>
<th>Scandinavian</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asparagus</td>
<td>Asparagus</td>
<td>Spargolo</td>
<td>Kapszta</td>
<td>Spargel</td>
<td>Esparrago</td>
<td>Asparagus</td>
</tr>
<tr>
<td>Beans</td>
<td>Haricots</td>
<td>Fasolo</td>
<td>Fasola</td>
<td>Bohnen</td>
<td>Habichuelas</td>
<td>Bohnen</td>
</tr>
<tr>
<td>Beet</td>
<td>Betterave</td>
<td>Betto</td>
<td>Betto</td>
<td>Rote</td>
<td>Rojo</td>
<td>Rojo</td>
</tr>
<tr>
<td>Cabbage</td>
<td>Chou</td>
<td>Cavolo</td>
<td>Kapusta</td>
<td>Kohl</td>
<td>Col</td>
<td>Kohl</td>
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<tr>
<td>Carrot</td>
<td>Carotte</td>
<td>Carota</td>
<td>Marchew</td>
<td>Karotten</td>
<td>Karotten</td>
<td>Karotten</td>
</tr>
<tr>
<td>Cauliflower</td>
<td>Chou-fleur</td>
<td>Cavolofoire</td>
<td>Kalsavery</td>
<td>Blumenkohl</td>
<td>Coliflor</td>
<td>Blumenkohl</td>
</tr>
<tr>
<td>Celery</td>
<td>Celeri</td>
<td>Sedano</td>
<td>Solan</td>
<td>Sellerie</td>
<td>Ocio</td>
<td>Ocio</td>
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<tr>
<td>Corn</td>
<td>Maix</td>
<td>Mais</td>
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</tr>
<tr>
<td>Cucumber</td>
<td>Cucumbe</td>
<td>Cetriolo</td>
<td>Zucchino</td>
<td>Kukurydua</td>
<td>Maiz</td>
<td>Maiz</td>
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<tr>
<td>Dandelion</td>
<td>Dandelion</td>
<td>Dente de leone</td>
<td>Mandula</td>
<td>Dente</td>
<td>Dente</td>
<td>Dente</td>
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<tr>
<td>Eggplant</td>
<td>Aubergine</td>
<td>Petroniolo</td>
<td>Gruszka</td>
<td>Eierpflanze</td>
<td>Berengras</td>
<td>Berengras</td>
</tr>
<tr>
<td>Eggplant</td>
<td>Aubergine</td>
<td>Petroniolo</td>
<td>Gruszka</td>
<td>Eierpflanze</td>
<td>Berengras</td>
<td>Berengras</td>
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<tr>
<td>Endive</td>
<td>Kale</td>
<td>Kколо</td>
<td>Endivi</td>
<td>Endivi</td>
<td>Endivi</td>
<td>Endivi</td>
</tr>
<tr>
<td>Kohlrabi</td>
<td>Kohl-rave</td>
<td>K-rolepa</td>
<td>Blatterkohl</td>
<td>Blatterkohl</td>
<td>Blatterkohl</td>
<td>Blatterkohl</td>
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<tr>
<td>Kohlrabi</td>
<td>Kohl-rave</td>
<td>K-rolepa</td>
<td>Blatterkohl</td>
<td>Blatterkohl</td>
<td>Blatterkohl</td>
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<td>Lettuce</td>
<td>Laitue</td>
<td>Latuga</td>
<td>Salapa</td>
<td>Fre</td>
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<td>Mung</td>
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<td>Mung</td>
<td>Fasola</td>
<td>Fasola</td>
<td>Fasola</td>
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<tr>
<td>Melon, Water</td>
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<td>Melon</td>
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<td>Melon</td>
<td>Melon</td>
<td>Melon</td>
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<tr>
<td>Mushroom</td>
<td>Champignon</td>
<td>Funghi</td>
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<td>Champignon</td>
<td>Champignon</td>
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<tr>
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<tr>
<td>Parsley</td>
<td>Persil</td>
<td>Prezzemolo</td>
<td>Pietruska</td>
<td>Petrosela</td>
<td>Petrosela</td>
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<td>Pois</td>
<td>Pisello</td>
<td>Pasternak</td>
<td>Pastinak</td>
<td>Pastinak</td>
<td>Pastinak</td>
</tr>
<tr>
<td>Pumpkin</td>
<td>Potiron</td>
<td>Peperone</td>
<td>Peper</td>
<td>Pfeffer</td>
<td>Pfeffer</td>
<td>Pfeffer</td>
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<tr>
<td>Salsify</td>
<td>Salifi</td>
<td>Salsific</td>
<td>Zucca</td>
<td>Zucca</td>
<td>Zucca</td>
<td>Zucca</td>
</tr>
<tr>
<td>Spinach</td>
<td>Spinach</td>
<td>Spinaci</td>
<td>Salsifex</td>
<td>Spinaci</td>
<td>Spinaci</td>
<td>Spinaci</td>
</tr>
<tr>
<td>Squash</td>
<td>Courge</td>
<td>Courge</td>
<td>Courge</td>
<td>Courge</td>
<td>Courge</td>
<td>Courge</td>
</tr>
<tr>
<td>Swiss Chard</td>
<td>Fonrose</td>
<td>Zucca</td>
<td>Zucca</td>
<td>Zucca</td>
<td>Zucca</td>
<td>Zucca</td>
</tr>
<tr>
<td>Tomato</td>
<td>Tomate</td>
<td>Pomodoro</td>
<td>Melon</td>
<td>Melon</td>
<td>Melon</td>
<td>Melon</td>
</tr>
<tr>
<td>Turnip</td>
<td>Navet</td>
<td>Reno</td>
<td>Rembiak</td>
<td>Weisse</td>
<td>Nabo</td>
<td>Nabo</td>
</tr>
</tbody>
</table>
Please forward the following ORDER for amount enclosed.

<table>
<thead>
<tr>
<th>Name</th>
<th>(Mr., Mrs. or Miss; write name plainly)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Street</td>
<td>R. D. Box</td>
</tr>
<tr>
<td>Post Office</td>
<td>P. O. Box</td>
</tr>
<tr>
<td>State</td>
<td></td>
</tr>
<tr>
<td>Date</td>
<td>193</td>
</tr>
</tbody>
</table>

FORWARD GOODS BY—

- Parcel Post
- Express
- Freight

Indicate shipping preference with X in square.

Name of Express Office or Freight Station ________________________________

NOTICE—Remittance by Postal Money Order is a guarantee against loss. We prefer them for our mutual protection. Use them if convenient.

NOTICE—We give no warranty, express or implied, as to description, quality, productiveness or any other matter of any seeds, bulbs, plants or trees we send out and we will not be in any way responsible for the crop. Aggeler & Musser Seed Co.

<table>
<thead>
<tr>
<th>Lbs.</th>
<th>Oz.</th>
<th>Pkt.</th>
<th>NAME OF ARTICLE WANTED</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tr>
</tbody>
</table>

Total

(over)
**EXTRA ORDER SHEETS AND RETURN ENVELOPES FURNISHED ON REQUEST**

<table>
<thead>
<tr>
<th>Lbs.</th>
<th>Oz.</th>
<th>Pkt.</th>
<th>NAME OF ARTICLE WANTED</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Brought forward</td>
</tr>
</tbody>
</table>

**NOTICE:** Please write below the names of any of your neighbors who would be interested in our catalog.
**A & M Planting Calendar for Southern California and Similar Climates**

### JANUARY

**VEGETABLES—Seeds of Asparagus, Beets, Brussels Sprouts, Cabbage, Carrots, Cauliflower, Cress, Endive, Garlic, Kale, Kohl Rabi, Lettuce, Mustard, Onions, Parsley, Peas, Pumpkins.**

**BULBS—Seeds of Amaryllis, Agapanthus, Caladium, Gladiolus, Lilies, Narcissus, Ranunculus, Tuberoses, Tuberous Begonia.**

### FEBRUARY

**VEGETABLES—Seeds of Asparagus, Beets, Beans, Cabbage, Carrots, Celeri, Chervil, Corn Salad, Egg Plant, Kale, Kohl Rabi, Lettuce, Mustard, Onions, Parsley, Peas, Pumpkins, Radish, Rhubarb.**

**FLOWERS—Sow seeds in open ground: Acroclinium, Agrocliniun, Alyssum, Bartonia, Calendula, Calliopsis, Candytuft, Centaurea, Clarkia, Early Flowering Cosmos, California Poppy.**

**BULBS of Amaryllis, Cannas, Dahlia, Gladiolus, Lilies, Tuberous Begonia.**

### MARCH

**VEGETABLES—Seeds of Asparagus, Beets, Beans, Cabbage, Carrots, Casaba, Corn, Cucumbers, Egg Plant, Kale, Lettuce, Melons, Okra, Onion, Onion Sets, Parsley, Parsnip, Peas, Pumpkins, Radish, Rhubarb, Salad, Spinach (Summer).**

**FLOWERS—Sow seeds in open ground: Acroclinium, African Daisy, Alyssum, Bartonia, Calendula, Calliopsis, Candytuft, Centaurea, Clarkia, Early Flowering Cosmos, California Poppy, Dahlia, Gypsophila, Hyacinth, Larkspur, Linaria, Lupin, Lupins, Mignonette, Nasturtium, Nemesia, Nigella, Pettuna, Phlox, Salpiglossis, Schizanthus, Scabiosa, Sweet Pea, Wildflower.**

**BULBS of Amaryllis, Agapanthus, Caladium, Gladiolus, Lilies, Narcissus, Ranunculus, Tuberoses, Tuberous Begonia.**

### APRIL

**VEGETABLES—Seeds of Asparagus, Beets, Beets, Carrots, Casaba, Cabbage, Celery, Corn, Cucumbers, Egg Plant, Kale, Lima Beans, Lettuce, Melons, Okra, Onions, Onions Sets, Parsley, Parsnip, Peas, Pumpkins, Salad, Spinach (Summer), Squash, Tomatoes, Sweet Potato Plants.**

**FLOWERS—Sow in open ground: Abronia, Acroclinium, Agaratum, Ageratum, Arctotis Grandis, Balsam, Candytuft, Calendula, Calliopsis, Celosia, Centaurea, Clarkia, Cosmos, Dimorphotheca, Early Cosmos, Dahlia Seed, Daisies, Eight O’clocks, Godetia, Gomphrena, Gypsophila, Helichrysum, Hyacinth, Larkspur, Linum, Lupin, Lupins, Mignonette, Nasturtium, Nemesia, Nigella, Pettuna, Phlox.**

**BULBS of Amaryllis, Agapanthus, Caladium, Gladiolus, Lilies, Tuberous Begonia.**

### MAY

**VEGETABLES—Seeds of Asparagus, Beets, Beans, Cabbage, Carrots, Casaba, Cabbage, Celery, Cucumber, Lime Beans, Melons, Okra, Onions, Parsley, Parsnip, Peas, Pumpkins, Radish, Salad, Spinach (Summer).**

**FLOWERS—Sow in open ground: Abronia, Agaratum, Ageratum, Amaranthus, Arctotis Grandis, Balsam, Candytuft, Calendula, Calliopsis, Celosia, Centaurea, Clarkia, Cosmos, Dimorphotheca, Early Cosmos, Dahlia Seed, Gypsophila, Helichrysum, Hyacinth, Kochia, Larkspur, Matthiola, Mignonette, African Marigold, Nigella, Nicotiana, Nasturtium, Oenothera, Painted Daisy.**

**BULBS of Amaryllis, Agapanthus, Caladium, Gladiolus, Lilies, Tuberous Begonia.**

### JUNE AND JULY

**VEGETABLES—Seeds of Beets, Beans, Cabbage, Carrots, Casaba, Celery, Corn, Cucumber, Egg Plant, Endive, Garlic, Kale, Kohl Rabi, Leek, Lettuce, Mustard, Onions, Parsley, Parsnip, Pepper Plants, Pumpkins, Radish, Spinach (Winter), Tomato.**

**FLOWERS—Sow seeds in open ground: Calendula, Candytuft, Late Cosmos, Centaureas, Daisies, Gypsophila, African Marigold, Nasturtium, Phlox, Portulaca, Salpiglossis, Zinia, Vine Seeds.**

**Sow in seed flats—Cineraria, Delphinium.**

**BULBS of Gladiolus.**

### AUGUST

**VEGETABLES—Beets, Beans, early varieties, Brussels Sprouts, Cabbage, Cauliflower, Carrots, Corn, Cucumber, Egg Plant, Endive, Garlic, Kale, Kohl Rabi, Leek, Mustard, Onion, Parsley, Parsnip, Pepper, Pumpkins, Radish, Salad, Spinach (Summer), Tomatoes, Turnips.**

**FLOWERS—Sow seeds in open ground: Calendula, Centaureas, Early Cosmos, Gypsophila, Winter Flowering Sweet Peas, French Marigold, Nasturtium, Phlox, Salpiglossis, Zinia.**

**Sow in seed flats—Aquilegia, Carnation, Canterbury Bells, Coreopsis, Cineraria, Delphinium, Digitalis, Forget-Me-Not, Gaillardia, Hollyhock, Pansy, Pensteommon, Perennial Poppy, Phlox, Shasta Daisy, Snapdragon, Stocks, Verbena, Viola, Wallflower.**

**BULBS of Allium, Anemone, Baby Glade, Calla, Dutch and German Iris, Freesia, Gladiolus, Lilium Candidum, Ornithogalum, Ozalis, Ranunculus, Watsonia.**

### SEPTEMBER

**VEGETABLES—Seeds of Beets, Brussels Sprouts, Cabbage, Carrots, Cauliflower, Cress, Endive, Garlic, Kale, Kohl Rabi, Leek, Lettuce, Mustard, Onions, Onion Sets, Parsley, Parsnip, Peas, Radish, Salad, Spinach, Turnips.**

**FLOWERS—Sow seeds in open ground: Abronia, Acroclinium, Agaratum, Ageratum, Arctotis Grandis, Balsam, Candytuft, Calendula, Calliopsis, Celosia, Centaurea, Clarkia, California Poppy, Dimorphotheca, Gypsophila, French Marigolds, Larkspur, Linum, Nasturtium, Nemesia, Antirrhinum, Asters, Candytuft, Kale, Kohl Rabi, Mustard, Onions, Onion Sets, Parsley, Parsnip, Peas, Pumpkins.**

**BULBS of Amaryllis, Amblyrum, Annual Marigold, Centaurea, Dahlia, Gazania.**

### OCTOBER AND NOVEMBER

**VEGETABLES—Seeds of Beets, Brussels Sprouts, Cabbage, Carrots, Cauliflower, Cress, Endive, Garlic, Kale, Kohl Rabi, Leek, Lettuce, Mustard, Onions, Onion Sets, Parsley, Parsnip, Peas, Pumpkins, Radish, Salad, Spinach, Turnips.**


**BULBS of Amaryllis, Amblyrum, Annual Marigold, Centaurea, Dahlia, Gladiolus, Lilies, Tulips.**

### DECEMBER

**VEGETABLES—Seeds of Beets, Brussels Sprouts, Cabbage, Cauliflower, Cress, Endive, Garlic, Kale, Kohl Rabi, Leek, Lettuce, Mustard, Onions, Onion Sets, Parsley, Parsnip, Peas, Pumpkins.**

**FLOWERS—Sow seed in open ground: Acroclinium, Alyssum, Bartonia, Calendula in opodendron, Calliopsis, Cineraria, Dahlia, Chrysanthemums, California Poppy, Dahlia, Lupin, Mignonette, Nigella, Nicotiana, South African Daisies, Stocks, Sweet William, Verbena, Viola, Wallflower.**

**BULBS of Amaryllis, Caladium, Gladiolus, Hyacinths, Narcissus, Ranunculus, Tulips, Lilies.**