Historic, Archive Document

Do not assume content reflects current scientific knowledge, policies, or practices.
NOVELTIES AND SPECIALTIES--Season 1930

ASTERS
HARRIS' CALIFORNIA GIANTS

We wish to particularly call your attention to this magnificent strain of Asters. These Asters in their present form are second to none. They are a true non-lateral branching strain, each flower being borne at the terminal of a long stout stem 18 to 24 inches in length, with no lateral growths manifesting themselves in their entire length. Another feature of this strain is their extended period of bloom, the plants remaining in flower much longer than any other class of Asters, which we know of at the present time.

PURE WHITE. The huge fluffy blooms resemble Chrysanthemums more than Asters, the plants have the same non-lateral branching characteristic of others of this race. Per packet, 25c.

PEACH BLOSSOM. A magnificent Aster with immense blooms, the petals being curved and twisted after the most ultra refined Comet type. The color is a superb shade of peach blossom overlaying a white ground. A gem for cut flower purposes. Per packet, 25c.

DEEP ROSE. The blossoms of this variety are of enormous size, frequently attaining a diameter of six inches or over. The color is a uniform shade of dark rich rose. Per packet, 25c.

LIGHT BLUE. A clear lovely shade of light azure blue. Flowers of great depth, petals beautifully curled and interlaced. Per packet, 25c.

RICH PURPLE. A fine companion to the foregoing; has the same immense size and elegant flower formation as the preceding varieties. Well grown plants of this, when fully developed, reach a height of 3½ feet. The color is a rich shade of bluish purple. Very fine. Per packet, 25c.

ALL ABOVE COLORS IN A FINE MIXTURE. Per packet, 25c.

For other varieties, see page 29.

CINERARIAS
HARRIS' PRIZE MIXED

The range of colors contained in this strain is unequalled, running from purest white to darkest crimson, through all the intervening shades of purple, blue, lavender, indigo, rose, etc., with many handsome bi-colored flowers. The plants are compact in their habit, the foliage is large and bold and is surmounted by trusses of glorious size and substance. Blossoms 4 to 4½ inches in diameter are quite common. No more glorious sight can be imagined than these Cinerarias when in full bloom. Per packet 50c.

For other varieties, see page 29.

GAILLARDIA GRANDIFLORA
PORTOLA HYBRIDS (New)

This superb new strain of Gaillardias bears flowers of very large size, the color ranging through shades of bronzy red with the characteristic golden tipped petalage and robust vigor of the well known Portola variety. A splendid cut flower. Per packet, 25c.

For other varieties, see page 30.

STOCKS, EARLY GIANT
IMPERIAL

ANTEQUE COPPER (New)
Rich hellebore red, overlaid with copper, the whole giving a very pleasing reddish antique copper effect. This strain is very double with individual florets 2 inches in diameter on long stems. Per packet 25c.

GOLDEN ROSE (New)
A rich light rose enhanced by a pleasing golden effect in the center of each individual floret. Very double large flowers on long stems. A wonderful cut flower. Per packet 25c.

ELK'S PRIDE (New)
Elk's Pride is a new shade in the Early Giant Imperial group, being an intense royal purple of vigorous growth, attaining a height of twenty-four to thirty inches. It is very early blooming, the florets are quite large and sweetly scented. The strain is very double. Per packet, 25c.

For other colors in Stocks see page 34.

ANTIRRHINUM MAXIMUM
(Snapdragon)

This wonderful new group of Antirrhinums far surpasses anything yet introduced. In habit they are taller than the Majus group. The flowers are of magnificent size.

CANARY BIRD. Beautiful canary yellow. Per packet, 25c.
COPPER KING. Velvety copper scarlet. Per packet, 25c.
OLD GOLD. Rich deep golden yellow. Per packet 25c.
THE ROSE. An exquisite rose pink shade. Per packet, 25c.

For other varieties see page 28.

ZINNIA, ELEGANS LILLIPUT
SALMON ROSE

A small flowered dwarf Zinnia with long stems, exceptionally fine for cut flowers. This is really a "Cut and Come Again" Zinnia and is especially fine for massing in the garden and produces a continuous succession of cut flowers throughout the summer. Packet 15c.

NEW EARLY FLOWERING
SPENCER SWEET PEA

IMPERIAL PINK
Is the last word in pink Sweet Peas and this new variety, we prophecy, will be the favorite pink among florists and in our gardens for many years to come. A clear pink of enormous size bred up from a line of strong and tested parentage, insuring a vigorous growth, long stems, and an abundance of blooms over a long period. Per packet, 25c.

EARLY GIANT ROSE

EARLY DUPLEX PIONEER
The color is rose pink on cream ground. The color is quite uniformly spread over the standard and wings giving a lovely effect which is greatly added to by the unusual frilliness of the flower. The flowers look double and really are double since often there will be three or four standards and sometimes the wings are also double. The vase are quite vigorous and bear a profusion of flowers on long stems. It is quite common to get four beautifully duplixed flowers on one stem. Per packet, 25c.

EARLY DUPLEX GEM
The color is soft pink flushed on light cream ground. Habits and type similar to Duplex Pioneer. Per packet, 25c.

PETUNIA
Theodosias

HARRIS SEED COMPANY, Inc.
840 MARKET ST., SAN DIEGO, CAL.

Please forward the following ORDER for amount enclosed (write your name and address distinctly)

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State whether by Mail, Express or Freight.

Name of Station or Express Office

Date 19

NON-WARRANTY. Harris Seed Co. give no warranty, express or implied, as to purity, description, quality, productiveness or any other matter of any seeds, bulbs, or plants we send out and will not be in any way responsible for the crop. When mentioned, purity and germination tests are for information only and without guarantee.

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DOMESTIC PARCEL POST RATES
On Seeds, Plants, Bulbs, Roots, Books, Tools, etc.,
within the U. S. and Possessions

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<th>Zone</th>
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<td>First Zone, San Diego or 50 miles thereof</td>
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<td>Third Zone, within 150 to 300 miles</td>
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<td>16c</td>
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Please do not ask questions on this order sheet requiring an answer. Be sure that your full name and address are on Both Letter and Order.

This space is for remarks about your order.
We wish to call your particular attention to the fact that our retail store is now located at 913 SEVENTH STREET BETWEEN BROADWAY AND E, where we are prepared to give you first-class service, and we extend you a cordial invitation to visit our store.

**ROSES**

During the months of January and February we carry about thirty-five of the more choice varieties of Roses. These are all TWO-YEAR-OLD FIELD GROWN BUSHES and should give splendid results. These bushes will be on sale this year at our store located at 840 MARKET STREET, between 8th and 9th Streets. We have the space here to KEEP THE ROOTS BURIED IN THE GROUND so that the air cannot get to them, so that all bushes will be in FIRST-CLASS condition.

Be sure and write, phone or call for our ROSE LIST giving descriptions and prices.

We also have a nice line of small shrubbery.

**NOTICE TO PURCHASERS, READ**

NON-WARRANTY. Harris Seed Co. give no warranty, express or implied, as to purity, description, quality, productiveness or any other matter of any seeds, bulbs or plants we send out and will not be in any way responsible for the crop. When mentioned, purity and germination tests are for information only and without guarantee.
A FEW HELPFUL HINTS

THE SOIL

There are two kinds of soil in California that baffle the new gardener, and often puzzle the veteran as well. One kind is the raw, unclaimed soil that packs so hard that vegetation cannot take root. The other soil is as pliable as sand, and ought to grow anything but just will not. Both require the same solution. They need life (humus) and there is nothing better to put life into soil than a green manuring crop plowed under at the right time, and to thoroughly air the soil before sowing any seed the field should be thoroughly irrigated and cultivated. If this is not done a dry crust will form over the humus because of the air space formed by the humus.

For your garden gather weeds and dig them under. Any decaying vegetation plowed under will add humus. For the field, grow rye, vetch, melilotus, or barley during the winter months, and in the spring plant Hubam Clover and Cow peas. All these crops will furnish feed for the stock as well as humus to the soil. Cover crops for green manuring should be plowed under a month before planting and before winter and there is nothing better to put life into soil than a green manuring dener, and often puzzle the man of experience. One kind is the raw, other soil is as pliable as sand, and ought to grow anything but the crop plowed under at the right time, and to thoroughly air the soil before sowing any seed the field should be thoroughly irrigated and cultivated. If this is not done a dry crust will form over the humus because of the air space formed by the humus.

To grow well a plant requires deep, moist, soil, supplied with the right amount of air, heat and available plant food. An important step, then, in the successful growing of vegetables is to prepare the soil in such a way that it will be congenial to the best root growth. The soil for truck crops is a rich sandy loam—soil containing varying proportions of clay, sand, and organic matter. A good garden soil can be made in most back yards by intelligent management, and an application of two pounds each of sulphur and lime to every 100 square feet.

CLAY AND ADOBE NEED SKILL

Of all the garden soils, clay is the most easily injured by tilling when it is not in the right condition as to moisture. It worked too wet, the particles all slide together into a compact mass. On the other hand, if the soil is worked too dry, the clods are hard to break. When clay soil is in the right condition to work it will crumble apart, if squeezed in the hand. If it sticks together it is too wet. Clay soil should never be worked when it is wet, not even with a hoe. This is an important lesson for all gardeners.

In a deep, mellow soil, the plants grow more quickly, since larger root systems can be developed and more food and moisture absorbed. A deep, mellow soil affords a larger reservoir to hold rain needed during the droughts that come in the growing season. The loam is warmer and contains air needed for the growing roots and for the bacteria that cause decay of organic matter or gather nitrogen from the air.

A COMPOST PIT

Make a pit about 12 inches deep in some out-of-the-way place in the home garden. Put into it one or two trunks of vegetation that will decay. When cleaning up burn only sticks that will not decay readily, but put the ashes into the pit with the compost. Turn the compost over with a fork and sprinkle with water whenever it shows signs of heating. This compost is valuable fertilizer, therefore do not neglect the Compost Pit.

A WORD ABOUT SOWING SEEDS

Many seeds are small and the germination weak, therefore sow them very shallow, often not more than one-eighth inch deep. This is because the germ or sprout must have air and light. If this is denied, the root too deep sowing, it dies before it reaches the surface. Cover the seed with humus.

In order to assist small or weak seeds to grow, it is advisable to plant plentifully, because the many seeds will give strength to raise the soil where one seed could not do so.

This advice applies particularly to beet and melon seeds, but it is applicable to all small seeds. It is easy to thin out the surplus plants.

A good general rule is to plant seeds to a depth equal to from three to five times their diameter, make ridges to stand about six inches high, flattened to about ten inches wide on top and twelve inches between ridges. Drill the seed or transplant on each side of the ridge. Irrigate in the furrow between the ridges. By this method two rows are irrigated with one furrow. It is easy to see the advantage of this method over the usual way of drilling on level ground and irrigating each row, often flooding the plant, which is harmful, particularly during the heat of the summer.

A FEW WORDS ABOUT IRRIGATION

In seed beds where small seeds are sown thickly, it is necessary to sprinkle the beds, never flood them. During the winter months, sprinkle only in the morning when the water is warmer than the dew. sprinkle each week two or three times, keeping the soil moist but not soggy. Such a soil is a rich sandy loam—soil containing varying proportions of clay, sand, and organic matter. A good garden soil can be made in most back yards by intelligent management, and an application of two pounds each of sulphur and lime to every 100 square feet.

THE CITY AND COUNTRY GARDEN

The growing of vegetables in either the city or home garden is quite a simple matter and there should be a great deal of satisfaction in the planter knowing that he has quality and freshness which cannot be bought in the market.

A short row of bush beans or a few hills of pole beans produce freely and beans sufficient for a fair sized family.

BEETS, SWISS CHARD (the so-called spinach beet) and carrots take but little space and afford the housewife a convenient source of supply where these vegetables may be had in just the right condition.

LETTUCE freshly cut is vastly different from that cut from three days to a week before it finally reaches the consumer's table.

ONIONS whether grown from seed or sets are an important item in the garden and come in very handy when a little onion seasoning is required.

PARSLEY, of which only a few plants are required, is ornamental as well as useful.

RADISHES, if the sowing of the seed is carefully arranged may be had in the very best condition throughout a very long season.

SPINACH, while adapted to a place in the small garden is probably so not necessary as the Swiss Chards, produces a much heavier crop of boiling greens and has a longer season.

TURNIPS require but little attention and a small planting will give quite a supply for winter use.
HARRIS’ QUALITY LAWN GRASS SEEDS

LAWN CULTURE

A beautiful and well-kept lawn adds more to the appearance and value of a home than any other outside attraction, and in San Diego it takes very little work to keep it looking well all seasons of the year.

The following simple rules will assist you very much in making a new lawn and in keeping up an old one;

SOIL PREPARATION. If you are putting in a new lawn in the dry season of the year, soak the ground thoroughly with water twenty-four to forty-eight hours before you attempt to spade it up. When spading it be sure to break up all lumps to insure it setting evenly. After spading rake it over thoroughly, being sure to pulverize all surface lumps and if possible roll it with a good garden roller. Be careful to have lawn slope in conformity with lot and sidewalk to insure good drainage. Note: When several inches of good top soil is spread over your lawn it is not always necessary to spade it up, unless surface is very uneven. When ground is well prepared and made smooth as possible, sow your seed, giving it good, even distribution, at the rate of about one pound to one hundred and fifty square feet. The average ratio of mixing lawn seed in this section is one pound of White Clover to three or four pounds of Kentucky Blue Grass. Better results will be obtained by sowing the grass and clover seed separately.

After sowing seed rake in lightly and cover thoroughly with screened weed-free manure or mill shavings. This top dressing is very essential in the starting of a lawn, as it prevents the ground surface from drying out too rapidly in the summer months, and protects the young grass in the cooler weather of winter.

In wetting down a new lawn care should be taken not to let the water run in streams as it will wash out the seed. Buy a Ross Sprinkler and soak it good twice a day until sod is well started. Any good hand sprinkler that will make a soft misty spray will be satisfactory. After the grass of your new lawn is up, do not attempt to weed it until it has been cut a few times, as many of the weeds will die out by cutting and your grass will have a chance to form a sod, which will not be injured by weeding later on.

All the grass seed we purchase is as free from weed seed as is possible to buy, and we have it all tested in government laboratories, but all soils are impregnated with weed seed, so do not blame your lawn seed for the weeds that come in a new lawn.

OLD LAWNS

Every few years in Southern California lawns are liable to become root bound and infested with Bermuda Grass (Devil Grass) giving them a dry or burnt appearance. While we select our grass seeds from sections where there is no Bermuda Grass, yet this pest is more or less present in all of California, and it can get into a lawn by a great many different ways.

When a lawn has become root bound or infected with Bermuda Grass the best treatment is to give it a thorough overhauling with a Lawn Cultivator cutting all the grass runners loose and opening up the soil to allow air, water and light to enter. After your lawn is thoroughly raked up it is a good plan to take the roller off your lawn mower, allowing the cutter bar to rest on the ground, and cut it several times each way, raking off the clippings each time with a bamboo rake.

After thoroughly going over your lawn carefully reseed and cover with a weed-free screened manure (Groz-It, a pure pulverized sheep manure is the best), sprinkle down carefully and keep well watered until seed is up.

Fertilization. To improve the growth of your lawn, we recommend the following fertilizers, all of which we carry in stock: Nulife, Blood and Bone, Groz-It, Sulphate of Ammonia.

CAUTION! DO NOT apply Commercial Fertilizer too heavily at any time, but be sure to follow directions. Smaller and more frequent application will bring better results.

KENTUCKY BLUE GRASS

The most popular of all the lawn grasses used in Southern California. A mixture of pure Kentucky Blue Grass and White Clover makes by far the most attractive and durable lawn for this section. The Kentucky Blue Grass we offer is the best we can buy and we take makes by far the most attractive and durable lawn for this section. California. A mixture of pure Kentucky Blue Grass and White Clover giving them a dry or burnt appearance. While we select our grass seeds from sections where there is no Bermuda Grass, yet this pest is more or less present in all of California, and it can get into a lawn by a great many different ways.

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WHITE CLOVER

The best variety of clover for lawn purposes. Used extensively in conjunction with Kentucky Bluegrass in making new lawns or by itself in renewing old lawns. Lb., 65c; 10 lbs., $6.00. Postpaid.

BERMUDA GRASS

Suitable for planting in sections where ground gets lots of hard usage and water is scarce. Should be sown in warm weather for best results. Lb., 60c. Postpaid.

BENT GRASS SEEDS

(FOR FINE LAWNS AND GOLF GREENS)

Bent Grass Seeds for lawn purposes have been coming into some popularity during the last few years, especially for larger lawns and estates, where much care and attention is given to the lawn. Bent Grass produces a very fine, beautiful, and velvety lawn, but must be cut at least twice a week, as otherwise they will produce a rank and clumpy growth. Bent Grass Lawns also should be top-dressed every four months. Mow the lawn closely, mix equal parts of good, rich soil and GR/Z/TI brand Sheep Manure and rake into the grass with the back of a rake, covering the grass not over one-quarter inch. Bent Grass seed should be sown at the rate of about four pounds to every thousand square feet. We have found the following variety of Bent Grass to be the best in this section.

SEASIDE BENT GRASS (Agrostis Maritima). Also often called Coos County Bent because most of the seed is grown in Coos County, Oregon. This is a true creeping bent, and makes a very smooth, uniform lawn. Extreme care must be taken in purchasing this seed, as there are so many swamp grasses and other weed seeds in the district where the seed is grown. Our stock of Seaside Bent is carefully reseeded, and is extremely pure and free from weeds. Lb., $2.25; 10 lbs., $21.50. Postpaid.

HARRIS’ SPECIAL LAWN MIXTURE

This is a mixture of White Clover, Kentucky Bluegrass, and Pacesy Rye Grass particularly good for a quick lawn in the back yard where it will get considerable rough usage and not a great deal of care. Lb., 45c; 10 lbs., $4.00. Postpaid.

HARRIS’ SHADY LAWN MIXTURE

A grand grass for sowing under trees, where no other grass will succeed. It makes a beautiful velvety lawn; grows much finer in leaf than Bluegrass and will stand in quite dense shade. 1 lb., 85c. Postpaid.

PACEYS RYE GRASS

A nice bladed grass that is often used in mixture with Kentucky Blue Grass for putting greens and tees on golf courses. It also makes an excellent lawn grass. Price per lb., 50c; 10 lbs., $4.50.

RED TOP (Agrostis Alba)

A fine bladed grass that is often used in mixture with Kentucky Blue Grass for putting greens and tees on golf courses. It also makes an excellent lawn grass. Price per lb., 50c; 10 lbs., $4.50.
Fertilizers which are Particularly Adapted for Use on Lawns

NULIFE LAWN AND GARDEN FERTILIZER

The verdict of all who have used the Nulife Lawn and Garden Fertilizer is that it is the most complete and satisfactory Lawn Dressing ever placed on the market. It is manufactured expressely for us and we guarantee that it contains all the elements required and in the proper proportions to produce a luxuriant growth. It is a clean, practically odorless material and can be applied without offending one’s sense of smell or sight. Being quick in action the effect can be noticed within a very short time by the rich, green coloring and that velvety appearance so much sought after. After applying, the sprinkling of the hose brings it down to the roots of the grass, stimulating them to greater activity, and producing a thick sward and a firm growth which remains so throughout the season. Its superiority over stable manure can scarcely be estimated, as the latter, in addition to disfiguring the lawn by its unsightly appearance, also gives out an unpleasant odor, and always contains weeds and other undesirable seeds. Great care should be taken to distribute the Fertilizer evenly and in no greater quantities than recommended. It can be applied at any time during the year, but never while the grass is wet. This material is equally suitable for flower beds, or the home truck garden. 10 lb. Pkg., 70c.

50 pound sack for 1500 square feet . 2.25
100 pound sack for 3000 square feet. 4.00

WRITE FOR NULIFE PAMPHLET

Nulife Fertilizer is just as successful for the growing of Flowers and Vegetables as it is for lawn purposes and can be used economically by putting a little of it in trenches beside your growing plants or working it in the soil before you sow your seed. Caution—Do not put it against live plants, as it will burn them. Let the plants absorb it through the soil.

Nulife Fertilizer has enough nitrogen, phosphoric acid and potash to insure growth, productivity and vigor and is a well balanced plant food.

THE E. Z. LAWN CULTIVATOR

Use cultivator frequently during the summer months to prevent Devil Grass from matting, which excludes light and air from the soil and chokes out Blue Grass and Clover.

Price $2.00

THE E. Z. LAWN EDGER

Does away with the back breaking job of trimming with shears.

Price $1.25

FOR OTHER FERTILIZERS SEE PAGE 43

GROZ-IT BRAND PULVERIZED SHEEP MANURE

The ordinary manure, which is so necessary to plant life, has many objectionable features, when used close to the dwelling. It is unsightly, has a disagreeable odor, draws flies and insects, etc.; likewise it is too bulky to be used to the best advantage.

In its place we offer you a highly concentrated, pulverized natural sheep manure, packed in sacks, light, dry, odorless, FREE FROM WEED SEEDS and all foreign matter, with a plant food value many times that of ordinary manure. By taking sheep manure from animals fed on cottonseed meal and cake and alfalfa hay (highly nitrogenous foods) and storing and ageing this material for several years under climatic conditions that remove the moisture and prevent leaching and fermentation, a natural manure has been obtained, which is then pulverized.

After being spread on the grass and watered, the manure disappears, so that while undergoing fertilization, the beauty of the lawn is not impaired. Valuable in run-down city gardens, as it adds humus and vegetable matter which are essential for all vegetation. Use at the rate of 100 pounds to every 400 square feet in a dry form.

Makes the richest and safest liquid manure, using two pounds to five gallons of water once a week.

WRITE FOR NULIFE PAMPHLET

Peat Humus

Peat Humus is a product of decayed vegetation—the accumulation of the ages. It is a rich, dark-colored, sweet smelling material taken from natural deposits far enough below the earth's surface to be entirely free from the seeds of weeds and the germs of plant and animal disease.

When the physical character of the soil is right, and it fails to yield good crops, it is either on account of the lack of plant food or because the elements of the plant food present are in an unavailable form through the absence of beneficial soil organisms. Organic matter is the basis of productiveness and agricultural experts all agree that Humus is the most desirable form in which organic matter can exist in the soil.

Peat Humus is a complete soil builder and is valuable not alone for its own content of nitrogen, but also because of its power, developed to a remarkable degree, of absorbing and holding the free ammonia liberated from other nitrogenous fertilizers, should they be used. Through the activities of the nitrogen fixing bacteria with which it is inoculated, it is continually adding nitrogen to the soil to replace that taken out by growing crops. Working a quantity of Peat Humus into the surface soil before seeding a new lawn will materially aid in the germination and growth of the grass. Pkg., 25c.; sack, $2.00.

E. Z. WEEDER

Price 25c.
HARRIS' QUALITY VEGETABLE SEEDS

ARTICHOKE

Artichokes are cultivated for the edible bud, which resembles a giant thistle. The plants want a very rich soil and plenty of moisture. Plant in boxes in January and the young plants transplant in March or April.

LARGE GREEN GLOBE. The most popular variety. Buds large, globular, deep green, with tinge of purple at base. Pkt., 10c.; oz., $1.25; ½ lb., $4.00. Postpaid.

JERUSALEM OR TUBEROUS ROOTED ARTICHOKE. Entirely distinct, and grown exclusively for their large potato-like roots, which are valuable for feeding hogs, the yield often exceeding two tons per acre. The tubers are also edible, and are delicious when well cooked. These tubers are obtainable in the winter months. Write us for prices.

ASPARAGUS

Plant seed from January to May.

CULTURE. Being a perennial asparagus should be planted where it will not be disturbed. If it is planted only for private use, the row or rows should be established at one side of the garden patch, where it will not be in the way when cultivating the other parts of the garden. Asparagus requires a deep, rich, cool soil, heavily manured and thoroughly tilled. Plant seed in beds or rows, cover about 1 inch. Keep watered and weeded first year, and if too thick in bed thin out to two or three inches apart, and you get better roots. After one year's growth they can be transplanted to rows three to four feet apart and one foot apart in the row. Two year old plants are preferable for transplanting, they will then produce the following spring. Cultivation should be done early in the spring before the shoots start and in the fall after "cutting" is over. Cut the foliage off as soon as it begins to turn yellow and burn it so as to prevent rust getting started off the crop. Cultivation should always be very shallow and it is useless to expect a crop from a field so poorly prepared as to need deep stirring after planting.

PLANTER'S BREAD ARTICHOKE. A large and handsome variety of artichoke, bearing large and very good quality buds. Pkt., 10c.; oz., 35c.; ½ lb., $1.10; lb., $3.25. Postpaid.

HARRIS' LATE ARTICHOKE. About ten days later than the above variety, which makes it a good variety where time of maturity is of importance. Pkt., 10c.; oz., 45c.; ½ lb., $1.60; lb., $3.50. Postpaid.


CULTURE. Beans respond very rapidly to good soil and cultivation. A light, rich, well-drained loam is the most desirable. The use of manure is advisable, but should be used sparingly as it might make the plant run too much to vine. There is no plant more sensitive to cold and wet than the bean. We therefore advise not to plant until the ground has become dry and warm. The largest returns will result in planting in drills from 2 to 3 feet apart. Cover the seed one and one-half inches deep and thin the younger plants 3 to 6 inches apart in the row. If planted in hills, about 2 feet apart each way.

KEEP THEM COMING

For rotation, plant at intervals of from one to two weeks. The plants until time of blossoming should have frequent shallow cultivation, but any mutilation of the roots by cultivation after the plants come into blossom is likely to cause the blossoms to blast and so cut off the crop. Cultivation should always be very shallow and it is useless to expect a crop from a field so poorly prepared as to need deep stirring after planting.

BUSH, GREEN POD

BURPEE'S STRINGLESS GREEN POD. Of robust growth, producing beautiful, long, straight, round-podded snaps, which are absolutely stringless. By reason of its unusual hardiness, extreme earliness, and wonderful productiveness, this is one of the most popular of the green-podded snaps, either for market or family use. Pkt., 10c.; 1 lb., 35c.; 10 lbs., $3.00. Postpaid.

CANADIAN WONDER. Flatpod; of good flavor; not stringless, but tender. A great favorite with gardeners for winter or late fall planting. Very luxuriant and continuous bearer. Pkt., 10c.; 1 lb., 35c.; 10 lbs., $3.00. Postpaid.

ENGLISH OR BROAD WINDSOR. The celebrated Broad Bean of England. A rich bean of marked flavor; used green, shelled like the Lima; grows on a straight, stiff stalk about 2 feet high. Pkt., 10c.; 1 lb., 25c. Postpaid.

FULL MEASURE. This excellent variety is fast becoming popular with our market gardeners. Pods are somewhat like Stringless Green Pod but longer and more slender, about five inches long, of splendid quality and entirely stringless. Seed brown mottled. Pkt., 10c.; 1 lb., 45c.; 10 lbs., $4.00. Postpaid.

LONG YELLOW SIX WEEKS. A yellow seeded long, green pod bean, that under favorable conditions will produce snap beans in six weeks from time of planting. Pkt., 10c.; 1 lb., 35c. Postpaid. Do not fail to get our price on large quantities of beans. Write us.

Burpees Stringless Green Pod Bean
BUSH, WAX POD

IMPROVED KIDNEY WAX. We have received, during the last few months, a great many reports on the wonderful production the gardeners have been getting from this new bean. It is a rust resistant variety, and produces an abundance of round, creamy, yellow pods, which are meeting with great favor on the green bean market. Pkt., 10c.; lb., 40c.; 10 lbs., $3.50. Postpaid. Write us for quantity price on this bean.

GOLDEN WAX. One of the most popular in cultivation; pods are long flat and golden yellow; seed white, mottled with two shades of purplish red. Pkt., 10c.; lb., 40c.; 10 lbs., $3.50. Postpaid.

PROLIFIC BLACK WAX. Vines medium sized, very vigorous and hardy. Pods medium length, borne well up from the ground, curved, cylindrical, fleshy and of a clear, creamy white color. Pkt., 10c.; lb., 40c.; 10 lbs., $3.50. Postpaid.

VENTURA WONDER WAX. Sometimes called Davis White Kidney Wax. A great variety for the market grower. Very early and hardy, straight, long, yellow flat pods, white seed. A great yielder. Good also for white bean to shell. Pkt., 10c.; lb., 40c.; 10 lbs., $3.50. Postpaid.

CLIMBING OR POLE

WHITE SEED KENTUCKY WONDER, RUST RESISTANT. We have obtained this year a very good strain of the White Seeded Kentucky Wonders, with the added qualities of being practically immune to rust. In going through a field of them one will see an occasional plant that has rusted, but by far the majority of the vines will be absolutely free of rust. The White Kentucky Wonder has been a very popular bean with the market gardener ever since its introduction on account of the bright green, round, tender pods, heavy crop produced, and its excellent shipping qualities. We certainly recommend this bean, more particularly for late winter and early spring planting. It matures about ten days earlier than the old Kentucky Wonder. The seeds, when dried, are pure white. Pkt., 10c.; lb., 40c.; 10 lbs., $3.50. Postpaid. Write us for special prices on larger quantities.

BROWN SEEDED KENTUCKY WONDER, RUST RESISTANT. The Brown Seeded Kentucky Wonder Bean seems to be the logical one for late summer and early fall planting in this section, but a number of the growers have been fighting shy of this variety for the last year or two on account of the possibility of their being attacked by the rust. The stock we are offering this year is decidedly rust resistant; in fact, we saw fields of these beans this fall planted right in the same neighborhood with the ordinary Brown Kentucky Wonders and where the ordinary beans were a complete failure, due to the rust, these beans produced a very heavy crop. However, they should be dusted occasionally with sulphur to help ward off the mildew. The smooth, round pods are a little more slender than the Old Homestead or Kentucky Wonder. This variety is highly recommended for late summer and early fall planting. Pkt., 10c.; lb., 40c.; 10 lbs., $3.50. Postpaid. Write us for special prices on larger quantities.

KENTUCKY WONDER WAX. A pole bean of the Kentucky Wonder type bearing long, flat wax colored pods and is a heavy yielder. Very popular with the home gardener. Pkt., 10c.; lb., 35c. Postpaid.

SCARLET RUNNER OR ARBOR BEAN. The well-known and old-fashioned climber, having bright scarlet, pea-like flowers. It not only holds its place as a flower, but the pods when young are of fine quality for cooking. Seed large, bright scarlet, heavily bloched with purple. Pkt., 10c.; lb., 45c. Postpaid.

LIMA BEANS

BUSH

Lima beans are a nourishing and delicious bean, either when used as a green shelled bean or when mature and dry, and are especially adapted to Southern California, where they are grown in their greatest perfection.

FORDHOOK BUSH LIMA. We have taken particular pains this year to grow some really good Fordhooks, and judging from the looks of the field and sample of seed, we have been successful. In fact, we have never seen a better looking field of Fordhook Bush Limas than the one from which our seed was produced this year. The Bush is a vigorous grower about two feet high, erect and strong. There are from three to five nice plump beans in each pod, which are round or somewhat oval in shape and about 4 inches long. There are from three to five nice plump beans in each pod, which are round or somewhat oval in shape and about 4 inches long. There are from three to five nice plump beans in each pod, which are round or somewhat oval in shape and about 4 inches long. There are from three to five nice plump beans in each pod, which are round or somewhat oval in shape and about 4 inches long.

COMMERCIAL BEANS

We carry in season a complete line of Blackeyes, Lady Washington, Navy, Pink, Red Kidney, Soy and other varieties of Commercial Beans for seed purposes, including Field Limas, which are sold according to market conditions. If you are interested write us for prices.

SERVICE POINTERS

We carry a complete line of spray material and sprayers, and if your beans are bothered with rust, mildew, aphids or other troubles we have the remedy. Watch for the slightest indication of mildew. When it appears, spray with the Anchor Brand of Sulphur. This will not only arrest any further advance of mildew, but it will fertilize the soil and destroy any germs of Fungi that may be there. It will also eradicate Nematoide. For application use the American Beauty duster.

CONTROL OF GARDEN INSECTS AND FUNGI

Insects take their food in two ways, some feed on the foliage of plants while others suck the plant juices through the tube-like beak which they insert into the tissue of their host plant. Because of this difference in feeding habits it is necessary to use different control methods. Leaf eating insects, such as beetles, caterpillars, and worms may be destroyed by applying Arsenate of Lead in liquid form as a spray while sucking insects such as plant lice must be killed by contact sprays such as Black Leaf "40". Aphis, or plant lice, are one of the most troublesome insects and in the control of these it is necessary also to control the Argentine Ant, for they harbor and protect, aphis, scale and mealy bug in return for the honey dew secretion which is the natural food supply of the Argentine Ant. An application of contact spray will destroy the aphids that are on the plant at the time of spraying, but within a day or two the Argentine Ant will have placed more aphis on the tender foliage of the plant and immediately they begin to multiply. The use of Antrol throughout the garden will assist materially in controlling aphis, mealy bug, and scale and it is very difficult to control these in the garden or orchard infested with the ants.

Citrus Trees, Roses and Fruit Trees are very often infested with scale and these should be sprayed frequently with Volck. For peach leaf curl, spray in December with Lime and Sulphur Solution and again in the Spring when the buds begin to show color. For the cure and prevention of mildew on Roses, spray frequently with Qua-Sul and this will also be found effective in the control of red spider as well as other fungus and insect pests.

We carry in stock at all times during their season Onion Sets, Horseradish Roots, Rhubarb Roots, Cabbage, Cauliflower, Kale, Tomato, Pepper and Sweet Potato Plants, etc.
### TABLE BEETS

**CULTURE.** Beets may be planted all the year round where the temperature does not fall below 25 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 ten 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. The Egyptian is a small, dark red, flat, smooth variety. It is sweetest and best for the table. 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. Two ounces of seed for 100 feet of row.

**KLEIN WANZLEBEN SUGAR BEET.** This is considered the most desirable variety for sugar. It is also desirable for feeding to stock. The roots, while rather shorter than some varieties, are thick in diameter, and yield an immense crop on rich land. The largest diameter is at, or just below, the surface of the soil, then tapering rather quickly. Pkt., 10c.; lb., 75c. Postpaid.

Write us for quantity prices on Beets.

### STOCK BEETS OR MANGELS

**GOLDEN TANKARD.** Recommended on account of its milk-producing qualities. It is of rich yellow color, sweet flavor, and yielding heavy crops of fine-shaped roots. Pkt., 10c.; lb., 60c. Postpaid.

**GIANT HALF SUGAR.** A cross between a Mangel and a Sugar Beet. Indeed, it is almost as large as a Mangel and contains nearly as much sugar as a Sugar Beet. The roots are a light bronze-green, grown well out of the ground and are very easily harvested. Pkt., 10c.; lb., 60. Postpaid.

**MAMMOTH LONG RED.** The largest of all the mangels and the heaviest cropper. Skin is red; flesh white zoned with red. This variety produces a larger amount of good feed than any other beet, and is recommended as superior to all others. Pkt., 10c.; lb., 60c. Postpaid.

Write us for quantity prices on table and stock beets.

### SERVICE POINTERS

1. Do not plant close, give vegetables enough room to grow.
2. Never water any newly planted plot until after the seed comes up, but have soil good and moist when planting.
3. Irrigation is always preferable over sprinkling.
4. Cultivation as soon as possible following each irrigation is essential.
5. Try to keep all growing stuff growing continuously, a check in growth almost equals a failure.
6. Always have ground good and wet where you transplant any plant to permanent location.
7. Be sure to protect newly transplanted plants with paper cone or something for two or three days. Remove cover in evening.
8. We recommend Nulife Fertilizer.
9. To keep succession of vegetables for home use plant seed now, then repeat planting two to three weeks hence. Don't let your garden run out.
10. Early varieties mean a quick maturing variety. Late varieties mean it requires longer to mature.

Do not misconstrue these designations and think they mean to plant only early or late.

### BROCCOLI

**BROCCOLI**

Should be treated the same as cauliflower, which it resembles. In fact, it is practically a coarse summer cauliflower, more divided in the head, grows larger and taller and is harder and easier to grow.

**ST. VALENTINE.** (A pure white strain) is the best. Our seed is of the English type grown extensively in the north. Pkt., 10c.; oz., $1.50; 1/4 lb., $5.00. Postpaid.

**GREEN SPROUTING, CHRISTMAS CALABRESE.** A new member of the Broccoli family to be used in this country. The edible portion differs from other Broccoli in use in that the flower heads are borne on long stems which are cooked and eaten along with the flower and are of a very mild flavor having none of the distinct cabbage flavor so common in this family of plants. Plant and care for the same as the other Broccolis or Cauliflower. Pkt., 10c; oz., $1.50; 1/4 lb., $5.00; lb., $15.00. Postpaid.

Write us for quantity prices on table and stock beets.

### BROCCOLI

**BROZADE BRUSELAS**

Culture same as cauliflower or cabbage.
CABBAGE

Early Winnigstadt Cabbage

A decidedly pointed head of good size and fine quality—the most sharp pointed of all Cabbage. One of the hardest varieties, resists cold, wet and insect pests to a degree which makes it very desirable. We recommend it as one of the best varieties. Pkt., 10c.; oz., 35c.; ½ lb., 90c.; lb., $2.75. Postpaid.

MAMMOTH ROCK RED. A good variety. Pkt., 10c.; oz., 35c.; ½ lb., $1.20; lb., $3.50. Postpaid.

CHINESE CABBAGE

This variety of cabbage is a growing favorite with the poultry raiser, as it yields an abundance of succulent leaves for feeding. Our seed is imported stock.

CULTURE. Grow it as you do lettuce; transplant 10 inches apart in rows 12 inches apart. Boiled with beef or pork it is excellent, having a much more pleasing flavor than cabbage. The inner leaves make a better cold slow. Pkt., 10c.; oz., 55c.; ½ lb., $1.50; lb., $4.50. Postpaid.

CARROTS

ZANAHORIA

CULTURE. Although carrots are hardy after the plant is established it is difficult to get a good stand unless the soil is well prepared and of such a nature that it will not bake, for the seeds are small and slow to germinate.

Carrots are sown the year around in deeply tilled, sandy, loam soil. Sow one inch deep in rows 12 to 20 inches apart. Thin out to 4 inches apart when plants are two inches high. Keep well cultivated and irrigate every week. Four pounds will plant one acre, one ounce 100 feet of drill.

CHIANTENAY. A good general purpose variety; five or six inches long; stump rooted; about three inches thick at top; tapering slightly; bright orange color. Pkt., 10c.; oz., 15c.; ½ lb., 35c.; lb., $1.00. Postpaid.

DANVER'S HALF LONG. The best variety and the most largely used, not only for stock raising, but for table use as well. The perfect type is about eight inches long, and about two and a half inches wide at the shoulder, tapering to a sort of half point at the bottom. Color is a bright orange scarlet. It is a very heavy cropper. Pkt., 10c.; oz., 15c.; ¼ lb., 35c.; lb., $1.00. Postpaid.


LONG ORANGE. One of the best long varieties. A heavy cropper, growing entirely under the ground, preventing the crown from becoming tough and woody. Pkt., 10c.; oz., 15c.; ¼ lb., 35c.; lb., $1.00. Postpaid.

OXHART. A short, heavy, thick variety, heavy yielder, and very desirable especially for heavy soils. Pkt., 10c.; oz., 15c.; ¼ lb., 35c.; lb., $1.00. Postpaid.

STOCK CARROTS

CULTURE. Drill in rows 12 inches apart, and thin to 3 inches apart in the rows. It requires five pounds of seed to plant an acre. Carrots are healthy food for stock of all kinds, and should be more generally grown.

LARGE WHITE BELGIAN. Is raised exclusively for stock, grows to a very large size, and is easily gathered. Will keep four or five months after pulling. Pkt., 10c.; oz., 15c.; ½ lb., 35c.; lb., $1.00. Postpaid.

LARGE YELLOW BELGIAN. Is similar to the above, but with a light orange color; said to be richer, but does not keep so well. Pkt., 10c.; oz., 15c.; ¼ lb., 35c.; lb., $1.00. Postpaid.
CAULIFLOWER

Winter grown Cauliflower is another successful crop grown around San Diego, and our wonderful climate makes it possible to place Cauliflower on the market during the months of October, November, December, January, February, and March. We especially recommend our imported strain of Early Snowball and many of our customers have had good success with the California grown seed.

The culture of Cauliflower is very similar to that of Cabbage, but a trifle more care must be used to see that the plants never receive any setback in their growth. Cauliflower requires an abundant and uniform, but not excessive, supply of moisture. The land should be well drained and irrigations should be frequent.

Plant the seeds in beds in June for the fall crop and transplant about the first of August. For winter crops seed may be sown in December, and the plants set in place any time during February.

EARLY SNOWBALL (European Grown). This variety is the standard by which all others are judged. It makes the smoothest and most solid heads, but the growth is not very vigorous and it is often necessary to tie the leaves over the head for protection. There are many strains of this variety of varying degrees of excellence and at varying prices. Our seed is grown in Denmark and we find it well suited to local conditions.

Write us for quantity price on this seed.

FOR APHIS spray with Black Leaf "40" (Nicotine Sulphate) at rate of one teaspoonful to one gallon of water. Add a little Fish Oil Soap for a spreader. A new remedy for Aphis is CALISPRAY DUST to be used dry.

On account of our mild climate California is subject to numerous insect pests which will cause very little trouble if taken in time. We carry a complete line of all kinds of spray material and spray pumps.

CHAYOTE

SECHILUM EDULE

CULTURE. Plant fruit in the open ground after it has sprouted, covering with four inches of earth and protect from frost. Water sparingly until vine is about twelve inches high; then gradually increase until hot weather, when it will require copious watering.

CHAYOTE. A delicious vegetable, fine for Pergolas, some vines bearing from 150 to 300 in one season. Large sized, pear-shaped fruit, which is used like squash, but is of much finer flavor. Planting season from November 1 to February. Each, 25c.; Postpaid. Dozen, $2.00. Postage Extra.

COLLARDS

COLA

GEORGIA. A tall, loose form of cabbage, grown in the south as a substitute for cabbage, and which may be successfully grown in summer. The leaves, when cooked, are tender, delicate and of fine flavor.

Write us for special quantity price.

CELERY

APIO

A variety of quite recent origin and as an early Celery, whether for shipping or local market, has become very popular, and in some sections is preferred to the Golden Self Blanching, being a week or ten days earlier. It is self blanching and the yellow color is decided, while the large heart blanches to a beautiful nearly white color and the individual stalks are always of the finest flavor, brittle and without any stringiness.

Write us for special quantity price.

Celeriac or Turnip-rooted Celery. Sow seed some time in April and treat the young plants the same as you would cabbage. Set plants out in rows two feet apart and six inches apart in the rows. When the roots are two inches in diameter they are ready for use.

CORN

SWEET OR SUGAR

The choicest Sweet Corn is only had where it is possible to cook it within an hour after picking. If you wish to have Sweet Corn at its best, pick or pull the ears when the kernel may be easily punctured with the thumb nail. Arrange to make successive plantings throughout the season so as to insure a supply just in the right condition.

Contrary to general belief Corn is raised successfully in most of California. It makes a profitable field crop and Sweet Corn is a most delicious garden vegetable.

Corn requires a rich loam soil, and thorough cultivation. It may be planted in many localities where frost is not common, any time from February to September, and enjoy roasting ears nearly the whole year. Plant in hills from 2½ to 3 feet apart in rows 4 feet apart. Thin to two or three stalks to the hill to insure good sized ears.

BLACK MEXICAN. Kernels bluish black when ripe, but white when ready for cooking; is very sweet and tender, and a leading favorite. Pkt., 10c.; lb., 35c. Postpaid.

COUNTRY GENTLEMAN. The best for family use. Has long white cob, closely filled with long, white kernels, irregularly on cob. It is very finely flavored and sweet. Pkt., 10c.; lb., 35c. Postpaid.

EXTRA EARLY ADAMS. The earliest of all corn, and the first to make ears. Plant dwarf and stocky and grains of fair quality. It is really a field corn, but is used as sweet corn on account of its extreme earliness. Pkt., 10c.; lb., 35c. Postpaid.

GOLDEN BANTAM. An extra early dwarf variety. Ears of medium size, thickly set with rich, yellow kernels of a most delicious flavor. This variety has become a general favorite on account of its earliness, hardiness and extra fine quality. Pkt., 10c.; lb., 35c. Postpaid.

OREGON EVERGREEN. This is without doubt the best sweet corn ever grown, and is a great favorite among market growers in this section. It is very productive, bearing long, well-filled ears, and is of a particularly fine flavor. Many varieties of sweet corn do not thrive as well in California as in the east, and it has sometimes been said that good sweet corn is not to be had here. This variety, however, seems particularly adapted to our local conditions, and produces ears of the very finest quality. Pkt., 10c.; lb., 35c. Postpaid.

STOWELL'S EVERGREEN. A good bearer of large, well filled ears of best quality. The stalk is a rank grower, and useful for dairy fodder. A favorite with market gardeners. Pkt., 10c.; lb., 35c. Postpaid.

Do not fail to write us for sack prices on Sweet and Field Corn, as we carry large stocks on hand during the season.

SERVICE POINTER

ACME ARSENATE OF LEAD placed on the ends of the ears just as they come into silk will prevent the ravages of corn worm and increase your yield of clean, perfect corn.

DON'T FORGET TO SEE OUR CANARIES, GOLD FISH AND OTHER PETS also BIRD CAGES AND FISH BOWLS

POP CORN

GOLDEN QUEEN. A very popular corn for this section. Large, smooth, yellow ears; a good popper and very prolific. Price, lb., 30c. Postpaid.

WHITE RICE. A very popular variety; very prolific; small ear; kernels long and sharp pointed. Lb., 30c.

SPECIAL NOTICE

Owing to conditions which may arise, beyond our control, such as crop shortage or failure, etc., the prices in this catalog are subject to change without notice. As a rule and whenever possible, however, we expect to fill order at prices listed.
CRESS
MASTUERZO

FINE CURLED (PEPPER GRASS). Quick growing; leaves finely cut and feathery like a good parsley; growth dwarf and compact; ornamental, crisp, and pungent; very refreshing. Pkt., 10c.; oz., 15c.

WATER CRESS. Highly esteemed as a salad during the spring and fall. Also used as a garnish for meats during the winter. Seed may be started readily in pans or boxes of very moist earth, and the young plants, transplanted to shallow water. Pkt., 10c.; oz., 35c.

CHICORY
ACHICORIA
CULTURE. Sow any time except hottest weather, though early spring is preferable, in rows eighteen inches apart and three or four inches apart in a row. A deep-rooting plant requiring little care if soil is moist.

LARGE ROOTED MAGDEBURG. This variety is grown for its roots, which are dried or roasted and grown as a substitute or adulterant for coffee. The leaves can also be used, but should be cut when fresh. They make a splendid salad. To secure large roots, soil should be light, rich and deeply worked. Plants should be thinned from 4 to 6 inches apart and the seed sown ¼ inch deep, using 1 oz. to every 100 feet of row. Pkt., 10c.; oz., 40c.; ¼ lb., $1.35; lb., $4.00. Postpaid.

WITLOOF OR FRENCH ENDIVE. Is used as a salad and is most delicious served with French dressing and eaten like lettuce. Seed should be sown in June, July and August in drills 12 to 18 inches apart and the seedlings should be thinned out to stand not closer than 3 inches. In the fall, lift the plant, trim off the leaves and store in sandy soil in a cool place until wanted for forcing. Pkt., 10c.; oz., 30c.

CUCUMBERS
PEPINO
Although our planting chart recommends the planting of Cucumbers from March to September, a number of gardeners have made a success of winter grown cucumbers, picking their crop at a time prices are high. While there is always an element of chance in this kind of crop for winter, yet the prices are always good, and some farmers figure it pays to take these chances. The favorite varieties for winter planting are Davis Perfect and Klondyke.

CULTURE. Plant six to twelve seeds in hills four to six feet apart. Get the seeds into damp soil about one inch. Rich, well watered soil is necessary to produce well formed cucumbers. One ounce of seed will plant 40 hills. Two pounds to the acre.

To control Aphis spray with Black Leaf 40 as directed on can.

ARLINGTON WHITE SPINE. A rich, dark-green variety, turning white when ripened. The fruit is about 7 inches long when in marketable condition and very straight and even shape. Is early and prolific. Pkt., 10c.; oz., 25c. Postpaid.

STAIGREEN. A favored early variety with some Market Gardeners. Similar to Klondyke with a little less light green on the blossom end. A good shipper. Pkt., 10c; oz., 65c.; ½ lb., $2.00. Postpaid.

LEMON CUCUMBER. This cucumber is without doubt the most popular variety for the home garden and when ripe makes a delicious sweet pickle. This is a very nice sub-acid variety, and considered superb as a salad. The fruit is small and in appearance similar to a lemon. Very prolific. Pkt., 10c; oz., 25c. Postpaid.

KLONDYKE. A favorite variety among our market gardeners. It is an improved strain of the famous White Spine. When suitable to ship the fruits average about 2 inches in diameter and 7 inches long, very dark green, striped with light green about one-third the length from the blossom end. The flesh is waxy, white, crisp, and of excellent flavor. Pkt., 10c.; oz., 20c.; ½ lb., 65c.; lb., $2.00. Postpaid.

GHERKIN, OR WEST INDIA GHERKIN. An extremely small fruited variety, grown exclusively for pickles. Pkt., 10c.; oz., 30c. Postpaid.

SERVICE POINTERS
Don't sow your seeds too deep. Plant small seeds as Radish, Turnips, etc., and those of similar size ¼ inch deep. Peas, Beans, etc., from 1 to 2 inches deep. Keep moist. Irrigate, if possible, and do not sprinkle.

DANDELION
AMARGON
CULTURE. It is used for greens and is much prized by epicures. Sow seed in the spring in rows 1 foot apart and thin plants to stand 1 foot apart in the row. Sandy loam soil is best suited.

IMPROVED. An early, large, broad-leaved variety. Pkt., 10c.; oz., $1.50. Postpaid.
EGG PLANT

BERENGENA

This is a vegetable that should be more largely grown. People who have eaten it will always call for it, as it has a rich flavor all its own that is fine.

CULTURE. The seed should be sown in a hotbed during December or January; it is slow to germinate and requires a warm and even temperature. The plants should be ready to set out by April 1st, and may be planted as late as August 1st. Plant 18 inches apart. Keep well watered and pick closely as soon as large enough. In very warm protected spots they will survive the winter. Even if the foliage is destroyed sprouts may appear the following spring from the stem beneath the soil and mature marketable fruit the following May. Egg Plants require from four to six months to mature. One-fourth pound of seed is sufficient to plant an acre.

NEW YORK IMPROVED. New York is an early variety of the large oval-shaped, deep purple kind that tastes surprisingly like oysters when fried, and is of an indescribably delicate and alluring flavor when stewed. This variety of egg plant has superseded all other varieties in this section and is the only one we carry in stock. Should you desire other varieties we will secure them for you. Pkt., 10c.; oz., 75c.; ½ lb., $2.50; lb., $7.50 Postpaid.

ENDIVE

ENDIVA

Salad vegetable, which is very popular for winter use. Sow the seed in late summer and thin the plants to six inches apart. When quite well grown, tie the outer leaves at the top, thus blanching the inner leaves and heart.

BROAD-LEAVED BATAVIAN. Leaves broad light green; best for soup. Pkt., 10c.; oz., 20c.; ½ lb., 60c. Postpaid.

GREEN CURLED. The most universally used variety, and a very attractive plant. Pkt., 10c.; oz., 20c.; ½ lb., 65c. Postpaid.

GARLIC

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CULTURE. Garlic is a perennial plant with a bulbous root and belongs to the onion family. It has flat leaves and the bulb is composed of several parts of bulbils similar to those of a multiplurin onion set. Garlic has a strong, penetrating odor and flavor and is highly esteemed for flavoring soups, stews, etc. We cannot offer seeds, but can supply bulbs or sets.

Prepare the ground as for onions, separate the sets and plant them in drills eight inches apart and four to six inches apart in the drill, covering two inches deep. Cultivate like onion sets. When the leaves turn yellow, pull bulbs and dry in the shade. It requires about 300 lbs. to plant an acre and can be planted from September to March. Write us for prices.

KALE, OR BORECOLE

This is a very popular boiling green and in Southern California can be grown the year around. It resembles cabbage in flavor, is a hardy plant and can be easily grown from seed. Plants are usually cut off when the leaves are six inches or more in length, but with the fine curled varieties the leaves can be gathered for use when of good size.

If the Tall Scotch variety is planted, the lower leaves should be carefully pulled off so that the plants can grow on and furnish a continuous supply. This is also true of Jersey or Tree Kale. One ounce of seed will produce 4,000 plants. Seed should be sown thinly in drills and reset 12 inches apart in rows 3 feet apart.

TALL GREEN CURLED SCOTCH. The kind most commonly used. Grows to a height of about 2½ feet, leaves bright green and finely curled. Pkt., 10c.; oz., 15c.; ½ lb., 50c.; lb., $1.50. Postpaid.


KOHLRABI

This vegetable is a cross between a cabbage and a turnip. The edible portion is the large bulb which forms on the stem above the soil. We advise successive sowing in order to obtain tender bulbs, which have a mild, delicate, cabbage-like flavor. It is a hardy plant and seed may be sown practically all the year around. Plant it like a turnip and thin to six inches apart in the rows. One ounce will produce 2,000 plants.

EARLY WHITE VIENNA. Flesh white and tender. Pkt., 10c.; oz., 30c. Postpaid.

LEEK

PUERRO

CULTURE. Leek is a very hardy plant with a sweet onion-like flavor. It resembles the young onion growth in the spring as it does not bulb. The neck or stems are blanched by drawing the earth up about one-half inch, and when they are about as thick as a good sized goose quill they should be transplanted.

LONDON FLAG—A large and strong plant. Pkt., 10c.; oz., 35c.; ½ lb., $1.15; lb., $3.50. Postpaid.

HERB PLANTS

We have a choice lot of the following herbs in plants: Catnip, Chive; Tarragon, Sage, Sweet Marjoram, Thyme, Savory, Rosemary, Lavender, Mint, etc. Large tifhry plants, 10c. each. Postage extra.

GOOD SEED

The seed is but the embryo of the future plant. Its development depends as much upon the preparation of the soil, timely planting, watering and cultivation, as upon the seed. Good seed that will bring satisfactory results in the hand of the experienced and careful grower may fail when planted by the inexperienced or careless. If ten persons buy seed from the same package, and nine succeed in making them grow successfully, and one fails and pronounces the seed worthless, the proper conclusion would be that the seed was good and that the judgment of the one was in error.

Before condemning the seedman, the purchaser whose seeds have failed to grow should first consider whether or not— the season was right, the soil in proper condition, the weather favorable; that he planted neither too deep nor too shallow and that the ground was kept sufficiently moist, yet not too soggy.
LETTUCE

CULTURE. Have the soil well pulverized and moist. Sow the seed in drills twelve to eighteen inches apart and not over half inch deep. Plant in drills to a pure white inside. Some of the largest planting is done from the sand on the under side of the leaves causes them to burn almost to the heart. The light green, curled, red-tined leaves of the Iceberg Lettuce from the Los Angeles Market, are not so solid, but it is as tender and crisp, and is of excellent flavor. Pkt., 10c.; oz., 65c.; lb., $2.00. Postpaid.

IMPROVED HANSON. Heads grow to remarkable size, resembling cabbage. This is a general favorite for home or market use. Pkt., 10c.; oz., 15c.; ½ lb., 50c.; lb., $1.50. Postpaid.

NEW YORK OR LOS ANGELES MARKET. This is the variety used almost exclusively in our local market and a great deal is shipped to other cities. A great many thousand acres of New York Lettuce are planted in the Imperial Valley every season. A large, solid heading variety with dark green leaves outside, but bleaches to a pure white inside. Some of the largest planting is done during September and October just after the new seed has been harvested. This new seed germinates very unevenly and is not at all satisfactory. We always carry over enough of the previous year’s crop to the care of the fall planting. This one year old seed will all germinate at once and make a uniformly good growth. For the larger growers we have New York Lettuce Seed in original sealed bag. Write us for special price in bulk lots. Pkt., 10c.; ½ lb., 70c.; lb., $1.50. Postpaid.

PARIS WHITE COS OR ROMAINE. The best of the Cos or Celery varieties. Forms a long, narrow head, leaves large and thick. Well folded head which blanches quickly. Crisp, tender and of fine flavor. Very popular with our foreign population. Pkt., 10c.; oz., 15c.; ½ lb., 65c.; lb., $1.75. Postpaid.

EARLY CURLY SIMPSON. A favorite early sort; large loose head. Pkt., 10c.; oz., 15c.; ½ lb., 65c.; lb., $1.50. Postpaid.

CHICKEN LETTUCE. A new feed for chickens. Yields more than Kale. Does not make a head, but sends up a stout stalk, 3 to 4 feet high, just loaded with leaves. Economical to grow for when cut it starts again and again. It is unexcelled for poultry or rabbit feed. Pkt., 10c.; oz., 15c.; ½ lb., 50c.; lb., $1.50. Postpaid.

MUSKMELON

MUSCATE

CULTURE. Muskmelons must not under ordinary gardening conditions be planted until all danger of frost is past. This is usually March, and planting may continue until July 15th. Warm ground is essential to the germination of the seed, for if planted too early in the spring it will rot. It is highly important that your soil should be in proper planting condition. First, it must be thoroughly soaked or irrigated. Gate close to the plant as it will cause dampening off, and other diseases. The roots of the plant being as long as the vine, close up irrigation furrow about it with soil until level with surface.

Fourth, plant the seed in the furrows about 6 feet apart, covering the seed not more than 1 inch deep and as the plant grows, gradually fill up the furrow with soil. Continuous cultivation is now necessary and where soil conditions require, systemic irrigation should be followed. Do not, however, irrigate any soil is not necessary and in cultivation see that these roots are not disturbed, as it would ruin the plant. Practice frequent shallow cultivation.

CALIFORNIA CREAM BUTTER. This is a favorite lettuce; of a rich, creamy yellow; stands the summer heat better than the other varieties and forms a very hard head. Pkt., 10c.; oz., 15c.; ¼ lb., 50c.; lb., $1.25. Postpaid.

NEON ANGEL. This is next to Los Angeles Market as the leading variety for the South, for it is very heavy. If grown 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-tined leaves of the Iceberg Lettuce from the Los Angeles Market, are not so solid, but it is as tender and crisp, and is of excellent flavor. Pkt., 10c.; oz., 65c.; lb., $2.00. Postpaid.

PERSEAN. A new variety, yellow flesh, heavily netted, but of smooth rind. Very sweet, and of distinctive flavor. Splendid keeper—average weight about 7 pounds each—many much larger. Pkt., 10c.; oz., 60c.; ½ lb., $2.00.; lb., $6.00. Postpaid.

HALE’S BEST. An extra early salmon tint of remarkable flavor. The seed cavity is small and the attractive salmon tinted flesh is firm. Very popular with our foreign population. Pkt., 10c.; oz., 15c.; ½ lb., 65c.; lb., $1.50. Postpaid.

POLLOCK 10-25. This is the latest improved strain of the popular Racelet Ford. Perite eliminates every defect of all other strains. Perfect in size, shape, netting, flavor, and long keeping and good shipping qualities. Our seed is from one of the most reliable growers from the sand on the under side of the leaves causes them to burn almost to the heart. The light green, curled, red-tined leaves of the Iceberg Lettuce from the Los Angeles Market, are not so solid, but it is as tender and crisp, and is of excellent flavor. Pkt., 10c.; oz., 20c.; ½ lb., 55c.; lb., $1.75. Postpaid.

TIP TOP. Selected stock. A melon we recommend to every lover of this luscious fruit and to every gardener who grows for the market. It is a yellow fleshed melon of the very best quality; every melon produced, big or little, early or late in the season, is of the same appearance. Pkt., 10c.; oz., 25c.; ½ lb., 65c.; lb., $2.00. Postpaid.

NICHOLSON’S HONEY BALL. This Melon has become very popular. It resembles in appearance the Honey Dew and the flavor is blended with the popular Texas Cannonball. The Honey Ball is a complete melon itself, whereas the Honey Dew is a good melon, but without size, and may supercede the popular Rocky Ford Melon. Average weight is 4 lbs. Pkt., 10c.; oz., 20c.; ½ lb., 70c.; lb., $2.00. Postpaid.

OSAGE. Large melon, about three times the size of Rocky Ford. With its well netted, dark skin, smooth salmon-colored flesh of a superb rich flavor, it stands high with growers everywhere. Pkt., 10c.; ½ lb., 50c.; lb., $1.50. Postpaid.
CASABAS or Winter Musk melons

GOLDEN BEAUTY. This one we recommend as the best. It begins to ripen in July and continues bearing and ripening all summer and fall, or until frost comes. The later fruits can be stored in a cool house or cellar and will ripen slowly, so that they can be marketed from time to time until late in January or early in February. Golden Beauty is bright yellow, about globular, with wrinkled skin, slightly pointed at the stem end. The fruits are about 6 to 8 inches in diameter. The flesh is pure white and very thick. Pkt., 10c.; oz., 25c.; ¼ lb., 85c.; lb., $2.50.

HONEY DEW MELON, HYBRID CASABA is a medium sized melon, 5 to 6 pounds in weight, about 6 inches in diameter and slightly oblong. The skin is smooth, with an occasional net. The color, while growing, is nearly white, and when ripe is a creamy yellow, sometimes a lemon yellow. Honey Dew has very thick flesh, light emerald green in color. It is fine grained, melting and delicious, and is good clear down to the rind. Sometimes the older Casabas have a bland or cucumber flavor not enjoyed by many. The vines are strong growers and a reproductive. The melons slip from the vines when ripe, but may be picked just before they are ripe and stored in a cool place and they will keep until Christmas. Pkt., 10c.; oz., 25c.; ¼ lb., 85c.; lb., $1.50.

GOLDEN HYBRID. A new variety of Hybrid Casaba, very popular on account of its golden color and keeping qualities. Pkt., 10c.; oz., 25c.; ¼ lb., 85c.; lb., $2.50.

WATER MELON

Watermelons are rapidly becoming one of the favorite crops in this section, as the demand is always good, and a good yield may be had without irrigation. We carry the leading varieties.

CULTURE. Plant the seed in a furrow, dropping ten seeds every eight or ten feet apart; cover about one inch. As the vines grow, hill the earth about them until the roots are from ten to twelve inches deep. When the vines are safely established, thin out, leaving only two vines to the hill. It is a good plan to establish your rows by throwing the soil toward the center, with two rounds of plowing, and cultivate every week during the early growth of the plants. This gives deep rows slightly raised in the center, allowing a low place between for irrigating. Be sure to cultivate after each irrigation, as soon as the nature of the soil will permit. If these instructions are carefully followed you will have thrifty vines throughout the season.

ANGELENO WHITE SEEDED. A large, round, dark-green type, bright red flesh, free from fibre and of excellent flavor. It is a good shipper and average weight 25 to 30 lbs. Pkt., 10c.; oz., 15c.; ¼ lb., 35c.; lb., $1.00. Postpaid.

ANGELENO BLACK SEEDED. Similar to the White Seeded, has a larger average size and a good shipper. Pkt., 10c.; oz., 15c.; ¼ lb., 35c.; lb., $1.10. Postpaid.

CHILIAN BLACK SEEDED. The leading watermelon in Southern California for twenty years. The original Chilian Watermelon was of the white seeded type, but of late years, in the vicinity of San Diego, the black seeded type has led all other varieties. It is a medium size, round melon, short crop, early maturing and is a great favorite with the market gardeners who supply hotels and restaurants. Plant two pounds per acre, from March to July, although some gardeners who have a warm soil plant earlier. Pkt., 10c.; oz., 15c.; ¼ lb., 35c.; lb., $1.00. Postpaid.

CHILIAN WHITE SEEDED. Same type as Black Seeded, has a larger average size and a good shipper. Pkt., 10c.; oz., 15c.; ¼ lb., 35c.; lb., $1.10. 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. Our seed positively cannot be excelled. Pkt., 10c.; oz., 15c.; ¼ lb., 35c.; lb., $1.10. Postpaid.

KLONDYKE. This is no doubt the most popular Watermelon on the market today. It is popular with the grower because it is adapted to dry farming, wonderfully prolific, early and continuous bearing; the vines seem in their prime in September and October, long after other varieties have disappeared. Planted in rows twenty feet apart on dry soil that has been scientifically prepared the vines will interlace. This year we have obtained something really first class in the line of Klondyke seed. We inspected the field in August and they were as fine a lot of melons as one could wish for. Very uniform in size, shape, and color. The seeds were all uniformly small and black in color, so if you want something really good in a Klondyke Watermelon give us a call. Pkt., 10c.; oz., 30c.; ¼ lb., 85c.; lb., $2.50. Postpaid.

TOM WATSON. Its shape is similar to the Kleckley Sweet, but the color is a light green. Its great merit is in its earliness, good flavor, thin rind, and good keeping qualities, making it one of the best of shippers. It is popular in the San Joaquin Valley. Pkt., 10c.; oz., 15c.; ¼ lb., 35c.; lb., $1.00.

SERVICE POINTERS

Use fertilizer. In California, where there is no "resting period", frequent fertilization is absolutely necessary to secure continuous results. NULIFE (Nudiva) Fertilizer contains all the elements required in proper proportions to produce a healthy luxuriant growth.
MUSHROOM SPAWN

Mush rooms can be grown in any dark room or cellar where the temperature can be kept from 60 to 70 degrees. From some old pasture or corral, procure good, rich soil and add twice the amount say, four feet wide. Put down a thin layer, pounding it down hard, and go on until you have a bed twelve or eighteen inches thick. As soon as the temperature of the bed falls to about 50 degrees the spawn may be inserted in pieces about the size of a walnut, about two inches deep and six inches apart. Cover with loamy soil about two inches deep and beat it down evenly and firmly. Finish off with a covering of clean hay about a foot thick, and the work is done. If the temperature is right, in six or eight weeks you may expect a covering of clean hay about a foot thick, and the work is done. If the temperature is right, in six or eight weeks you may expect

PURE CULTURE AMERICAN SPAWN. This Spawn is made in America from selected Mushrooms grown under cultivation. Such Spawn is fresher than the English, which must be thoroughly dried before its long journey; the growth of American Spawn is therefore quicker and stronger than the imported. Price $35c. per brick. Weight about 2 lbs. Postage extra.

MUSTARD

CULTURE. Sow the seed in drills early in the spring and at frequent intervals throughout the summer to secure a constant supply of fresh greens. Mustard is hardy and is easily grown. One ounce will sow fifty feet of row.

GIANT SOUTHERN CURL. Large variety forming a great mass of the beautiful leaves, which are ruffled and finely curled on the edges. Hardy, vigorous, highly recommended. Pkt., 10c.; oz., 15c.; ¼ lb., 35c.; l., $1.10. Postpaid.

CHINESE. The leaves are twice the size of the ordinary White Mustard, while the flavor is sweet and pungent. Pkt., 10c.; oz., 15c.; ¼ lb., $1.15; l., $3.50. Postpaid.


OKRA

CULTURE. Seed can be planted from the middle of March until the latter part of August. Plant 8 inches apart in rows 3 feet apart. Plant seed ½ inch deep. One ounce of seed will sow 50 feet of row. This vegetable produces long and nutritious pods which when young are used in soups and stews, to which they impart a rich flavor. It takes 8 lbs. to plant an acre.

FERKIN'S MAMMOTH. A large variety, long green pods, tender and good flavor. Pkt., 10c.; oz., 15c.; ¼ lb., 45c.; l., $1.25. Postpaid.

WHITE VELVET. Pods of an attractive white color, very popular with the grower. Pkt., 10c.; oz., 15c.; ¼ lb., 45c.; l., $1.25. Postpaid.

ONIONS

CULTURE. No crop is so liable to variations by cultivation and soil as the Onion. Having rich soil with too much irrigation will produce thick-necked scallions, while the same soil, well drained, would produce the finest Onions. A sandy loam, well fertilized is the best. The land must be thoroughly worked before planting, and usually two good plowings, a good discing, and a harrowing are necessary. The crop must always be kept free from weeds, and it is usually necessary to weed out in the row by hand once or twice. Loosening between the rows may be done oftener. Steady, even growth is necessary to good Onions, and a check in the growth, whether from disease or drouth, causes them to bolt. The bulbs should be ready for harvesting, run a light roller of plank over them to press the tops down, and the Onions should be pulled about ten days after this is done, whether the tops have dried off or not. It requires often weigh from two to three pounds. Pkt., 10c.; oz., 30c.; ¼ lb., $1.00; l., $3.00. Postpaid.


GREAT GREEN BUNCHING. One of the best onions for use as a green onion. If left in the ground to mature will also make large, dry onions. Is not a multiplier onion and should not be confused as such. Pkt., 10c.; oz., 30c.; ¼ lb., $1.00; l., $3.00. Postpaid.

PRIZE TAKER. A very large globe-shaped variety with light, yellow skin and white flesh of mild flavor. It produces heavy crops. Is a good keeper and popular as a market variety. Fair specimens often weigh from two to three pounds. Pkt., 10c.; oz., 30c.; ¼ lb., 90c.; l., $2.75. Postpaid.

RED WETHERFIELD. The best known and most widely used red variety. In shape it is flatish, but thick, with very firm flesh. Is hard and an excellent keeper as well as a heavy cropper. The color is a bright purplish red. Pkt., 10c.; oz., 30c.; ¼ lb., 90c.; l., $2.75. Postpaid.

SOUTHPORI WHITE GLOBE. A pure white globe-shaped variety. Forms handsome hard onions with wax-like, pearl-white flesh. Is used a great deal for green onions owing to the clear, white stem. Pkt., 10c.; oz., 40c.; ¼ lb., $1.25; l., $3.75. Postpaid.

TRUE SPANISH ONION. One of the large Spanish types of very mild flavor, nearly globe shape, color white tinged with yellow. Very popular in the south. Pkt., 15c.; oz., 50c.; ¼ lb., $1.75; l., $5.25. Postpaid.

YELLOW BERMUDA. A very early variety; almost exclusively grown for market in Southern California, Arizona and Texas, where it is sown in the fall and harvested in the spring. It is mild and of particularly fine flavor. The color is a pinkish straw and its shape is flat. Pkt., 10c.; oz., 40c.; ¼ lb., $1.25; l., $3.75. Postpaid.
WHITE PORTUGAL OR SILVERSKIN. By far the most popular white onion in this section. A beautiful white onion flat on the bottom and thick toward the top; very hard and firm. An excellent keeper. It is largely used for white onion sets as well as for bulbs for the best market trade and also for pickles. Pkt., 10c.; oz., 35c.; % lb., $1.15; lb., $3.50. Write us for price in larger quantities.

YELLOW GLOBE DANVERS. This onion is the standard winter sort in many markets. The shape is almost globe form and the bulbs are quite large, with thin, necked ripening down well. The skin is a fine brown, orange yellow, while the flesh is pure white, solid and of good quality. Pkt., 10c.; oz., 30c.; % lb., $1.00; lb., $5.00. Postpaid.

ONION SETS

We carry a large line of Onion Seed and they can be planted all the year if obtainable.

Onion Sets are small onions grown from seed which is planted very thick and the sets are allowed to die down before onions mature. They are then dried and cleaned up for the market. The advantage in planting sets in place of seed is that you gain from two to three months in time, and by planting a few each month, you can have an abundance of fresh, green onions all the time. If you wish to secure dry onions from sets you can so arrange to have the sets start to go to seed. Sow the seed in drills early in the spring, using one-sixth of any variety grown here. A good shipper and very popular with the growers and dealers.

CHICAGO GUISANTES HOME GARDEN

Write for quantity prices on all Peas.

For the home garden we recommend Blue Bantam, to be planted for very early peas, and if they can be trellised, the Tall Telephones for later crop. If they cannot be trellised, plant Admiral, or any other of the late varieties offered here. All are good.

CULTURE. Peas are very susceptible to soil and climate. Within the radius of a few miles from San Diego, 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 lowland from January 1st to September 1st. In summer months, from May to September plant 11/2 inches deep in heavy soil and more deeply 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 moist earth, and shallow enough to get warmth from the sun. Never irrigate after planting peas until they come up. Irrigate very little, and if there is no rain, allow the soil to dry out. 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 the vines are well started, but after they bloom a heavy frost will destroy the pods, and if cool enough will kill the vines. Many planters sow one hundred pounds of seed per acre, but sixty 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. Put the rows north and south for winter planting to give them as much sun as possible.

At the first appearance of mildew, spray with the best sulphur obtainable, and do the spraying in the morning. If your soil is sandy it would be well to inoculate the seed with Nitrogen Producing Bac- teria, preferably Farmogerm.

CARLOADS OF GREEN PEAS

MARKET. Every Christmas day every household within the United States may have on the table green peas grown in Southern California, right fresh from the vines. Hundreds of acres are each year planted in September for northern and eastern consumption. This crop is ready for shipment from the latter part of November, and a continuous supply is maturing until April.

AMERICAN WONDER. The earliest of all wrinkled peas. Of dwarf habit, growing from 9 to 12 inches. Pkt., 10c.; lb., 35c. Postpaid.

LAXTON’S PROGRESS. A very large podded pea of low growing habit. The vines are one and a half feet high, with an abundance of well-filled pods. It is unequalled for combination of extreme earliness, superb quality and unusual productivity. Pkt., 10c.; lb., 35c. Postpaid.

HUNDREDFOLD. This is the earliest large podded pea in cultivation. The peas are of the most delicious flavor. Pkt., 10c.; lb., 35c. Postpaid.

ADIMIRAL OR SENATOR. A comparatively new pea to Southern California. Medium growth, branches heavily and abundant producer. The pods are decidedly curved. The peas are the sweetest of any variety grown here. A good shipper and very popular with the growers and dealers.

PEAS

STRATAGEM. A semi-dwarf variety with large leaves and large pods. The peas are dark green, wrinkled, and of good quality. The strain we offer is selected and carefully rogued. Pkt., 10c.; lb., 35c. Postpaid.

BERMUDA SETS. Obtainable only during months of June, July and August. Write for price.

Do not fail to get our 100-lb. price on Onion Sets.

PARSNIPS

CHIRVA

CULTURE. Work your soil well to depth of at least a foot. Sow from September to following May in drills 15 inches apart, covering 12 inch deep. When well up, thin out to 5 or 6 inches in the row. The seed is slow to germinate, hence should be sown in soil that holds moisture well. One ounce to 200 feet of row. Five pounds to an acre.

HOLLOW CROWN. The most popular and best variety for all purposes. Skin smooth and white, and flesh tender, while the root grows eighteen to twenty inches long. The best part of it is con- tained in the first eight inches from the top. It is particularly fine, smooth and regular. Pkt., 10c.; oz., 15c.; % lb., 50c.; lb., $1.50. Postpaid.

CHAMPION MOSS-CURLED. Vigorous compact growing variety; excellent for garnishing and flavoring, also a handsome decorative plant; leaves fine and crisp, resembling moss; a most popular sort for the market and home garden. Pkt., 10c.; oz., 15c.; % lb., 50c.; lb., $1.50. Postpaid.

WHITE PORTUGAL OR SILVERSKIN. By far the most popu- lars of any variety grown here. A good shipper and very popular with the growers and dealers. Pkt., 10c.; lb., 35c. Postpaid.
Dwarf Telephone Peas

DWARF TELEPHONE OR DAISY. Height about two feet, and vines are exceptionally strong growing and produce freely the large well-filled pods. Does extremely well in Southern California and will be planted here in larger quantities every season. Pkt., 10c.; lb., 35c.; 10 lbs., $3.00. Postpaid.

Write us for quantity price.


ALDERMAN. Similar to Tall Telephone. The vine is extra vigorous and the pods are dark green and always well filled with fine large Peas. It is the very finest and best Pea of this class. Pkt., 10c.; lb., 35c.; 10 lbs., $3.00. Postpaid.


A POINTER ON PEAS. We carry a fancy line of hand-picked Peas raised by the best growers in the U.S., and we will take great pleasure in having you write us for price and samples, if you are going to put in a quantity. Our largest seller in this section is the Senator, which has proven a great favorite with the gardener.

A WORD ABOUT SOWING SEEDS

Many seeds are small and the germination weak, therefore sow them very shallow, often not more than one-eighth inch deep. This is because the germ or sprout must have air and light. If this is denied by too deep sowing, it dies before it reaches the surface.

In order to assist small or weak seeds to grow, it is advisable to plant plentifully, because the many seeds will give strength to raise the sod where one could not do so.

This advice applies particularly to beet and melon seeds, but is applicable to all small seeds. It is easy to thin out the surplus plants. A good general rule is to plant seeds to a depth equal to from three to five times their diameter.

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 beds. Pepper seeds need the heat of a hot bed to germinate during these months. For fall and winter crop sow seed in outdoor beds, well prepared, during May and June. Winter crops can be grown in places that are entirely frostless. For field culture the plants are set eighteen inches apart in rows thirty inches apart. This would appear too close when the full grown plant covers the field solidly, but it is important to get the rows as close as possible in order to irrigate effectively.

FLORAL GEM. This beautiful yellow pepper became popular several years ago. It is 1 1/2 to 3 inches long, delightfully pungent with a flavor quite distinct from other peppers, and commands an independent price. The 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.; 1/4 lb., $2.25. Postpaid.

CHINESE GIANT. The largest of the Bullnose type. Fully twice as large as the popular Bell. Very mild, thick meat with large cavity for stuffing. We wish to call the gardener's special attention to our Strain of Chinese Giant Pepper. The winter growing of Chinese Giant Pepper is one of the coming industries here, and so far very profitable. It is very essential that the right type of pepper is produced to insure good prices, and we do not hesitate in recommending the type of Chinese Giant Pepper sold by us to give the best satisfaction in every respect. Pkt., 10c. oz., 50c.; 1/4 lb., $2.75; lb., $8.00. Postpaid.

Write us for quantity price.

ANAHEIM CHILI. This is the chili so well known locally. One of the most profitable crops for the gardener. Bears pods from six to nine inches long in great profusion. Pkt., 10c.; oz., 50c.; 1/4 lb., $1.60; lb., $5.50. Postpaid.

PIMIENTO. A medium sized, smooth pepper which is rapidly growing in favor. Thick, heavy flesh of a mild, delicate flavor. For stuffing it is unequalled on account of its smoothness and attractive appearance. Delicious in salads or creamed like onion, very good when eaten raw like an apple. Pkt., 10c. oz., 50c.; 1/4 lb., $1.75; lb., $5.50. Postpaid.

MEXICAN CHILI. The pepper that has made the tamales of Mexico famous is becoming very popular in the Southwest. It is a medium size, pear-shaped pepper, and turns bluish black when dried. Pkt., 10c. oz., 50c.; 1/4 lb., $1.90; lb., $4.50. Postpaid.
CALIFORNIA WONDER. This new Pepper promises to replace the Chinese Giant. It will grow nearly as large as the Chinese Giant and is somewhat similar in shape, but much smoother in appearance and decidedly heavier. Pkt., 25c; oz., $1.50; 1/4 lb., $5.00; lb., $15.00.

PUMPKINS
CALAHAZA TOTANERA
All the vining plants are sensitive to frost and cannot be planted while there is yet danger of freezing. Any well cultivated, moderately rich soil is suitable for pumpkins. Plant in hills from six to eight feet apart each way, five or six seeds to the hill. When well started, thin to three plants. One ounce of seed will plant to 25 hills, and two pounds to the acre.

COMMON OR CALIFORNIA FIELD. The well known stock pumpkin. Fruit is variously colored in yellow, drab, red, green and orange, and also varies in size, but is usually large. Easily grown and a heavy cropper. Seed varies in color, shape and size. Write us for price.

CONNECTICUT FIELD, OR JACK O'LANTERN. A fine variety for dairy ranchers, adding much to the quality and quantity of the milk and butter; an excellent keeper and can be strongly recommended. Pkt., 10c.; oz., 15c.; 1/4 lb., 50c.; lb., $1.25. Postpaid.

LARGE CHEESE, OR KENTUCKY FIELD. A very large, flattened variety about two feet through. When ripe the flesh is a rich cream color. Quality fine. Pkt., 10c.; oz., 15c.; 1/4 lb., 25c.; lb., 75c. 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. Pkt., 10c.; oz., 15c.; 1/4 lb., 45c.; lb., $1.25. Postpaid.

RADISHES
RABANITO
Radishes can be successfully raised any time of the year, selecting sunny spots in Winter and shady nooks in the heat of Summer. Succeed best in soft, moderately rich garden soil not over moist or too heavy. Sow in drills. One ounce of seed will sow about 50 feet.

CRIMSON GIANT TURNIP. Twice as large as any other turnip-shape variety; does not get hollow or pithy; flesh white, solid, crisp and mild flavor. Excellent for forcing in open ground. Pkt., 10c.; oz., 15c.; 1/4 lb., 25c.; lb., $1.00. Postpaid.


SALSIFY—Vegetable Oyster
SALSIFY BLANCO
"QUEENSLAND JELLY PLANT." An annual cultivated for its fruit, which is used for making jelly and jam. Sow in early spring. Grows rapidly, resists drought and is also very ornamental. Pkt., 10c.; oz., 75c. Postpaid.

ROSELLA
"QUEENSLAND JELLY PLANT." An annual cultivated for its fruit, which is used for making jelly and jam. Sow in early spring. Grows rapidly, resists drought and is also very ornamental. Pkt., 10c.; oz., 75c. Postpaid.

SALSIFY—Vegetable Oyster
SALSIFY BLANCO
CULTURE. Sow the seed early in the spring in drills one foot apart and one inch deep, thinning out plants to 4 inches. It succeeds best in well enriched soil. One ounce of seed for 50 feet of drill.

SCARLET TURNIP WHITE TIPPED. One of the most popular and attractive short varieties. It is globe shaped, bright rose-carmine with bottom and tip clear white. Very valuable for forcing as well as for the garden and market. Pkt., 10c.; oz., 15c.; 1/4 lb., 35c.; lb., $1.00. Postpaid.
**SPINACH**

**ESPINACA**

**CULTURE.** Sow in drills one foot apart, and for succession, every two weeks, as it grows thin out for use, keeping clean of weeds. It grows the year round in California. One ounce of seed for 50 feet of drill. Twenty pounds to the acre.

**BLOOMSDALE.** Large green, thick savoury crumpled leaves, grows luxuriantly, producing twelve to fifteen tons per acre. Throughout the East and South, this variety is used more extensively than any other. Pkt., 10c.; oz., 15c.; ¼ lb., 25c.; lb., 50c. Postpaid.

**BROADLEAF PRICKLY.** A splendid fall or winter sort, also does well planted in the spring. Quick growing, with large dark green leaves. The favorite with market gardeners for winter planting. We have no hesitation in recommending this as the main crop spinach. Pkt., 10c.; oz., 15c.; ¼ lb., 25c.; lb., 50c. Postpaid.

**LONG STANDING.** This is a good sort for market gardeners because it is slow to shoot to seed, and the quality is equal to the best winter variety. Pkt., 10c.; oz., 15c.; ¼ lb., 25c.; lb., 50c. Postpaid.

**NEW ZEALAND.** A spreading vine with numerous branches. One plant will cover an area four feet in diameter. The tender tips may be cut every few days and cooked as spinach. It is just as good. One pkt. is enough for a family garden. Pkt., 10c.; oz., 15c.; ¼ lb., 25c.; lb., 50c. Postpaid.

**SQUASH**

**CALABASA**

**CULTURE.** Plant 5 to 7 seeds in each hill. Have the ground well worked and get the seed into the damp soil. Bush varieties have the hills 4 feet apart and running varieties hills 8 feet apart each way. One oz. of seed to 50 hills, 154 to 2 lbs. to an acre. Plant two weeks, as it grows thin out for use, keeping clean of weeds. It well worked and get the seed into the damp soil. Bush varieties.

**ITALIAN (ZUCCHINI).** Should be used when quite young. When stewed it has a rich, creamy flavor not equalled by any other squash. For the family garden we would recommend its use instead of the small white bush scallop, because of the excellent flavor, and it is much more prolific. Pkt., 10c.; oz., 15c.; ¼ lb., 25c.; lb., 50c. Postpaid.

**GREEN HUBBARD.** The most popular and widely used of the winter squashes. Fruit is oblong and pointed, heavily warted, dark green in color, with orange-colored flesh. Is remarkable for its keeping qualities. Pkt., 10c.; oz., 20c.; ¼ lb., 75c.; lb., $2.00. Postpaid.

**ITALIAN (ZUCCHINI).** Should be used when quite young. When stewed it has a rich, creamy flavor not equalled by any other squash. For the family garden we would recommend its use instead of the small white bush scallop, because of the excellent flavor, and it is much more prolific. Pkt., 10c.; oz., 20c.; ¼ lb., 75c.; lb., $2.00. Postpaid.


**WHITE BUSH SCALLOP.** A very early variety, with flat, creamy white, scalloped squashes, 4 to 6 inches in diameter. The vine is bush in habit and rather dwarf. This variety is the common "patty pan" squash. Pkt., 10c.; oz., 15c.; ¼ lb., 45c.; lb., $1.25. Postpaid.

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**CULINARY ROOTS AND PLANTS**

**ASPARAGUS, 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. 35c per dozen, $2.50 per 100. We write for special price in large quantities.

**ARGENTEUL.** An excellent variety for the canner and early shipper. Its purple tinge makes it very attractive. 35c per dozen; $2.50 per 100.

**ARTICHOokes, GREEN GLOBE.** Artichokes are a delicious vegetable. They are easily grown in backyards, along fences and in the vegetable garden, requiring very little attention after planting, 25c each; $2.50 per dozen.

**CABBAGE PLANTS.** Standard varieties. 15c dozen, $1.00 per 100, Postage extra.

**CAULIFLOWER PLANTS.** Snowball—the best variety of Cauliflower. 20c dozen, $1.50 per 100. Postage extra.

**EGG PLANTS.** New York Improved, large round purple. 35c per dozen. Postage extra.

**HORSERADISH ROOTS.** Thrive best in low, damp land. Plant in rows 2 feet apart, and 18 inches apart in rows. 25c per dozen. Postage extra.

**PEPPER PLANTS.** Chili, California Wonder, Chinese Giant, etc. 35c per dozen. Postage extra.

**RHUBARB ROOTS—WAGNER'S GIANT WINTER.** First size, extra large, 15c each, $1.50 per dozen.

**SWEET POTATO PLANTS.** Yellow Nancemond. Ready in March. Write for prices.

**TOMATO PLANTS.** Earliana. New stone, Ponderosa, Beefsteak. 25c per dozen. Postage extra.

TOMATOES

CULTURE. Tomatoes do best on light, warm, not over-rich soil, and succeed 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. Transplant three to six feet apart in rows four to six feet apart, according to the variety,—three feet for those varieties of upright growth, as the Dwarf Champion, and six feet is too far apart for vines varieties which will soon cover the ground solidly. The soil should be plowed and pulverized to a depth of ten to twelve inches, the deeper the better, in order that the roots may keep in the cool earth, for as soon as the roots are over-heated by the hot, dry soil near the surface, the plant quickly sickens and dies, and the grower can see no cause for it. The roots spread more rapidly and farther than the vines. Therefore give shallow but frequent cultivation.

In the early fall, when the nights have become cool and heavy dew prevails, it would be well to spray with Bordeaux Mixture, to prevent blight. It may be necessary also to spray after each rain throughout the winter.

To prevent root-blight, pour a cupful of Bordeaux around the stem at the surface of the ground.

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

On sandy loam soil, where it is nearly frostless, we recommend planting the Special Early No. 498 and Earls in hot beds during November, December, and January for winter and early spring tomatoes. Tomatoes that mature the latter part of April are considered early for Southern California.

Plant seed of the Stone variety during April, May, and June and July, for the summer and fall crops, for canners and shippers.

IMPROVED STONE. (Wilt Resistant). In offering this particular strain of blight resistant tomato seed to our customers we feel, after thorough investigation, that we are offering one of the best if not the best “resistant” strain on the market. It has been proven to be about 90% resistant on infected land in this locality, and the seed offered by us has been saved only from selected tomatoes, the better or imperfect ones not being used at all for seed purposes. Owing to the large losses to practically all tomato growers through blight, or imperfect ones not being used at all for seed purposes. Owing to the large losses to practically all tomato growers through blight, we feel that a good blight resistant seed should be a regular boon to the grower. Pkt., 15c.; oz., $1.25; 54 lb., $2.35; lb., $7.00. Postpaid.

NEW STONE Tomato. A favorite sort for the home garden; of immense size, sometimes weighing from 2 to 3 pounds each, has very few seeds. Pkt., 10c.; oz., 25c.; 1 lb., $1.75; 5 lb., $5.00. Postpaid.

MARGLOBE. A new variety developed by the United States Department of Agriculture, is very wilt resistant and also resists nail head rust. Fruit resembles Globe, but is scarlet and the fruit more solid. Vine dark green and vigorous. Pkt., 10c.; oz., 25c.; 1 lb., $1.25; 5 lb., $5.00. Postpaid.

NEW STONE. This standard main crop variety is easily the most popular Tomato in Southern California. While used largely all the year round it is mainly generally planted about June 1st, which brings the fruit to full size about September 1st, after which time it will continue to bear until well into the winter; in some cases it will live through the winter and bear the next season. This fruit is large, smooth, bright scarlet in color and has a rich, delicious flavor. Pkt., 10c.; oz., 25c.; 1 lb., $1.50; 5 lb., $5.00. Postpaid.

PONDEROSA. A favorite sort for the home garden; of immense size, sometimes weighing from 2 to 3 pounds each, has very few seeds. Pkt., 10c.; oz., 25c.; 1 lb., $2.20; 5 lb., $7.00. Postpaid.

IMPROVED SAN JOSE CANNER. We take pleasure in recommending this variety of tomato for all kinds of growers. It is a large type, smooth, round tomato, very meaty and very prolific. The strain has been bred up for several years by one of the best growers in Southern California. It comes from a seedling raised from plants bearing the best in your garden this year. Pkt., 15c.; oz., $1.50; 1/4 lb., $5.00; lb., $15.00. Postpaid.

See us for Tomato Plants.

SPECIAL EARLY NO. 498. Very early and extremely prolific for such an early variety. The bright scarlet globular fruit is medium sized, wonderfully solid, free from core and contain but few seeds. This variety, when planted about April 15th, will be well to the center of the plant protecting the fruits from sun-scall or sunburn. Fruit is firm and of fine flavor. Either for the home garden or for shipping. Pkt., 15c.; oz., $1.00; 1/4 lb., $3.35; lb., $10.00. Postpaid.

MAMMOTH (Wilt Resistant). A Tomato very similar to Stone. Selected, bred and developed by the U. S. Department of Agriculture for its wilt resistant qualities. Our seed is saved from the best fruits and from the most prolific vines. Fruit is bright scarlet and globular. Pkt., 15c.; oz., $1.00; 1/4 lb., $3.50; lb., $10.00. Postpaid.

TURNSIPS

November through January may be raised in spring and summer also, with proper selections and sowings. An ounce of seed will sow 100 feet of drill, or 2 pounds to one acre.

EXTRA EARLY PURPLE TOP MILAN. A very early variety, medium sized, very high and purple in color. 15c.; 1/4 lb., 45c.; lb., $1.25. Postpaid.


PURPLE TOP WHITE GLOBE. Very solid and sweet. The best variety for general plantings, having large leaves and is very slow to get pithy. Recommended for planting more than any other variety. Pkt., 15c.; oz., 50c.; 1/4 lb., 1.00. Postpaid.

RUTABAGAS, YELLOW PURPLE TOP SWEDISH. The well-known variety, most productive, best flavored, skin yellow under ground and purple above. Flesh of fine flavor. Valuable for either table use or stock feed. Pkt., 10c.; oz., 50c.; 1/4 lb., 35c.; lb., $1.00. Postpaid.

STRAWBERRIES

Set the plants in December, January or February, and the plants will continue to bear until well into the winter; in some cases it will will continue to bear until well into the winter; in some cases it will bring the fruit to full size about September 1st, after which time it will continue to bear until well into the winter; in some cases it will live through the winter and bear the next season. This fruit is large, smooth, bright scarlet in color and has a rich, delicious flavor. Pkt., 10c.; oz., 25c.; 1 lb., $1.75; 5 lb., $5.00. Postpaid.

BERRIES

BLACKBERRIES, MAMMOTH. Strong grower and heavy bearer. Berries large, highly flavored and very sweet. Ripens early over a long period. Owing to its performance we have been led to believe it will continue to bear until well into the winter; in some cases it will bring the fruit to full size about September 1st, after which time it will continue to bear until well into the winter; in some cases it will live through the winter and bear the next season. This fruit is large, smooth, bright scarlet in color and has a rich, delicious flavor. Pkt., 10c.; oz., 25c.; 1 lb., $1.75; 5 lb., $5.00. Postpaid.

BLACKBERRIES, CORY’S THORNLESS. Plant vigorous, sending up strong, stocky canes early in the Spring. Can be kept in bush form by pruning. Berries are very large. 15c each; $1.50 per dozen.

DEWBERRIES, GARDENA. A trailing low bush blackberry. Berries large, ripens early, vigorous and very productive, fine quality. 15c each; $1.50 per dozen.

LOGANBERRIES. Entirely distinct from any other berry. When fully ripe it is a very dark red, very large, often an inch and a quarter long. Berries large, tangy, firm and sweet. Bears very heavy in summer and fall. 15c each. $1.50 per dozen.

RASPBERRIES, LA FRANCE. Without doubt the largest and most prolific Raspberry ever grown. Fine flavor and thoroughly everbearing. Bears heavily in summer and fall. 15c each. $1.50 per dozen.

YOUNGBERRY. Said to be a cross between the Loganberry and the Dewberry. An exceptionally fine flavored very productive berry. Bears early and commands the highest market prices. The fruit colors well and is exceptionally sweet and large. Color jet black. 20c each; $1.50 per dozen.

CHAMPION. (Everbearing.) This variety is superior to many other varieties. It is earlier, bearing a full crop eight to twelve weeks after transplanting, and will continue to bear until well into the winter; in some cases it will bring the fruit to full size about September 1st, after which time it will continue to bear until well into the winter; in some cases it will live through the winter and bear the next season. This fruit is large, smooth, bright scarlet in color and has a rich, delicious flavor. Pkt., 10c.; oz., 25c.; 1 lb., $1.75; 5 lb., $5.00. Postpaid.

KLONDYKE. A very uniform, rich blood red, juicy and of delicious flavor, medium early. This variety is of recent introduction and is becoming very popular here. Per doz., 35c.; per 100, $2.00; per 1000, $15.00.
HERBS--Aromatic, Medicinal and Pot Herbs

ANISE (Pimpinella Anisium). Seeds have an aromatic taste. Pkt., 10c.; oz., 50c.

BALM (Melissa Officinalis). Leaves are fragrant and are used as a tea for fevers. Pkt., 10c.; oz., 60c.

BASIL, SWEET (Ocimum Basilicum). For soups, stews and highly seasoned dishes. Pkt., 10c.; oz., 50c.

BORAGE (Borago Officinalis). Leaves are used for flavoring; flowers attract bees. Pkt., 10c.; oz., 50c.

CARAWAY (Carum Carvi). Seeds are used for flavoring purposes. Pkt., 10c.; oz., 25c.

CATNIP (Nepeta Cataria). Leaves are useful for seasoning. It makes a good food for bees. Pkt., 10c.; oz., 50c.


DILL (Anethum Graveolens). Seeds used as a condiment, also in the pickling of cucumbers. Pkt., 10c.; oz., 25c.; ½ lb., 75c.

FENNEL, SWEET (Anethum Foeniculum). Boiled leaves are used in sauces. Pkt., 10c.; oz., 50c.

HOVERHOUND (Marrubium Vulgare). Leaves used for seasoning. Pkt., 10c.; oz., 75c.

HYSSOP (Hyssopus Officinalis). Used as a stimulant and a mild tonic. Pkt., 10c.; oz., 75c.

LAVENDER (Lavandula Spica). The flowers are dried for perfuming purposes. Pkt., 10c.; oz., 70c.

ROSEMARY (Rosmarinus Officinalis). The aromatic leaves are used for seasoning. Pkt., 10c.; oz., $1.00.

RUE (Ruta Graveolens). For medicinal purposes. Pkt., 10c.; oz., 75c.

SWEET MARJORAM (Origanum Marjorana). May be used either green or dried. Pkt., 10c.; oz., 75c.

WINTER SAVORY (Satureia Montana). Leaves are used for flavoring. Pkt., 10c.; oz., $1.00.

TANSY (Tanacetum Vulgare). Pkt., 10c.; oz., 50c.

TARRAGON (Russian). The true Tarragon does not seed and what is offered is Russian Tarragon and flavorless. Pkt., 15c.

THYME (Thymus Vulgaris). Leaves used for seasoning. Pkt., 10c.; oz., $1.25.

WORMWOOD (Artemisia Absinthium). Used medicinally and is beneficial for poultry. Pkt., 10c.; oz., 65c.

FENNEL FLORENCE (Finnocchio) (Foeniculum Dulce). Quite different from Sweet Fennel. The portion eaten is bulb-like and is formed at the base of the leaf stalk. Sow early in spring and thin to about a foot apart. Just as soon as the plant commences to expand at base of stalk, there should be a covering of soil applied so that this bulb-like vegetable becomes quite well blanched. Pkt., 10c.; oz., 30c.; ½ lb., $1.00.

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NURSERY DEPARTMENT

At our NURSERY YARD behind our Branch Store at 840 Market Street, between 8th and 9th Sts., we carry a select stock of ORNAMENTAL PLANTS, FRUIT TREES and ROSE BUSHES.

Our Ornamental Stock is medium size (the best planting size) thrifty well grown stock of many of the most attractive palms, trees and shrubs. Our Fruit Trees are Orange, Lemon and Grape Fruit, and a good line of Deciduous Fruit Trees in Season, such as Apples, Peaches, Plums, etc., and some of the best varieties of Avocados.

During Winter and Spring we carry a splendid stock of No. 1 Rose Bushes budded on Ragged Robin Roots.
FIELD SEEDS

ALFALFA
ALFALFA. Lucerne. This may well be called the King of Forage Plants; all stock relish it; may be grown in nearly every state in the Union and it is essential to the best interests of every rancher, small or large. To the "Little Landers" with a few chickens and rabbits as well as the larger rancher with hundreds of cattle, horses and hogs. It may be cut and fed green; judicious grazing does not injure it. If mixed with sorghum in the silo, it improves the ensilage, and as dry hay it is unexcelled. It is leguminous and, therefore, a soil renovator.

CHILIAN OR COMMON. This variety has proven so entirely satisfactory to everyone for more than forty years that nothing better was looked for, and is indeed now so thoroughly satisfactory that many will hesitate to believe that any variety of alfalfa can be better, therefore we have an ample supply of Chilian seed. Per lb., 40c. Postpaid. Write for quantity price.

HAIRY PERUVIAN. Owing to the fact that this variety produced more or less cuttings of hay per year than the ordinary Chilian variety, because it would grow during the cooler weather when other varieties were at a stand still, it has been very largely planted during the last three or four years. However, it often takes three or four years to determine the real or lasting value of many kinds of plants, and a number of the ranchers now find their Hairy Peruvian Fields "playing out" while the Chilian fields are "as fresh as paint."

AERIAL PERUVIAN. (Erodium Cicutarium). One of the most nutritious plants; all stock relish it, prefer it to most any other forage crop. It is native to Southern California, and would be more prevalent were it not so difficult to gather the seed. It requires five pounds of seed to plant an acre. A few pounds of seed scattered over a range would within two years have the place well covered with alfalaria. Write us for price.

AUSTRALIAN SALT BUSH. (Creeping Salt Bush. Atriplex Semi-baccata). This is a procumbent prostrate many branched, slender, perennial plant, with herbaceous stems, spreading from 3 to 6 or more feet. Under cultivation its growth is simply marvelous. It is a valuable plant for sheep; they eat it with avidity. This variety makes it the most desirable for ensilage. Lb., 25c. Postpaid. Write us for quantity price.

ALFILARIA. (Erodium Cicutarium). One of the most nutritious of plants. All stock relish it, even prefer it to most any other forage crop. It is native to Southern California, and would be more prevalent were it not so difficult to gather the seed. It requires five pounds of seed to plant an acre. A few pounds of seed scattered over a range would within two years have the place well covered with alfillaria. Write us for price.

BERRA CLOVER. The native Clover, and one of the best nitrogen gathering crops, and very satisfactory for orcharids. There is steady demand for Burr Clover, and the seed is very scarce and hard to obtain. It is the very best cover crop for poor or dry land, as it needs but little moisture. It is also used for pasture. Price per lb., 25c. Postpaid.

CLOVER SEEDS

BURLINGTON. A valuable addition to the large forage crop. When quite young, it may be pastured or cut and cured for hay. This should be done just before the blossom appears. It is harder than alfalfa, more drought-resistant, and better for renovating the soil. It may be cut twice the first season and three or four times the second season, yielding 2,500 to 3,000 pounds of hay each biennial. Hence it must be seeded every second year. On account of its hardness to resist extreme cold, heat and drouth it is grown largely in the middle west for pasture. It is highly recommended by the department of agriculture. It is also an excellent bee food. Price per lb., 40c. Postpaid.

Write us for quantity price.

MELLILOTUS INDICA. Amongst the deep rooting plants may be mentioned Melilotus Indica, a variety that is largely used in the orange groves, and is highly recommended by the Experiment Station of California as being best for "playing out" while the Chilian fields are "as fresh as paint."

MELLILOTUS ALBA. (White Blooming Melilotus) (Bokhara). This is a valuable addition to the large forage crop. When quite young, it may be pastured or cut and cured for hay. This should be done just before the blossom appears. It is harder than alfalfa, more drought-resistant, and better for renovating the soil. It may be cut twice the first season and three or four times the second season, yielding 2,500 to 3,000 pounds of hay each biennial. Hence it must be seeded every second year. On account of its hardness to resist extreme cold, heat and drouth it is grown largely in the middle west for pasture. It is highly recommended by the department of agriculture. It is also an excellent bee food. Price per lb., 40c. Postpaid.

Write us for quantity price.


Write us for quantity price.

FIELD CORN

EUROPE ENSILAGE. A large stalk with a profusion of leaves which makes it the most desirable for ensilage. Lb., 25c. Postpaid. Write us for quantity price.

HICKORY KING. Kernel white; largest grain and smallest cob of any white corn known. This corn is the most popular of all the white dent varieties and is used by many for roasting ears. 1 lb., 25c. Postpaid. Write us for quantity price.

KING PHILLIP. An early corn. Large ears. Yellow grains. A white dent variety, because it would grow during the cooler weather when other varieties were at a stand still, it has been very largely planted during the last three or four years. However, it often takes three or four years to determine the real or lasting value of many kinds of plants, and a number of the ranchers now find their Hairy Peruvian Fields "playing out" while the Chilian fields are "as fresh as paint."

MEXICAN JUNE CORN. The corn for the arid Southwest as has been proven by several years' trial of various government experiment stations throughout the country. This corn is quite largely grown in the Imperial Valley, Arizona, New Mexico and Texas. It is earlier than Silver Hulled and usually more productive. It is also excellent for bee-pasture. Plant Buckwheat after frosts have gone. Valuable for a catch-crop. Sow 25 pounds per acre. Lb. 20c. Postpaid.

Write us for quantity price.

GRASS SEEDS

SEASIDE BENT GRASS. See Page 4.

KENTUCKY BLUE GRASS. See Page 4.

PACIFIC RYE GRASS. See Page 4.

SHADY LAWN MIXTURE. See Page 4.

BERMUDA GRASS. See page 4.

RHODES GRASS (Chloris birgata). For any kind of soil where there is not much alkali, excellent for permanent pasture in meadow or mess, or cut and dried for hay. Will stand frost down to zero, but for best results it should be planted in the warm weather. Is a strong grower and will smoother Bermuda Grass and cut from 4 to 8 crops a year when well watered. On the other hand it will stand a great deal of drouth. Particularly valuable in our interior valleys. Sow from 4 to 7 lbs. per acre. Lb., $1.00. Postpaid. Write us for quantity price.
**POTATOES**

We carry in season a full line of SEED POTATOES. Write us for prices.

**FIELD PEAS**

We carry in season a full line of FIELD PEAS. Write us for prices.

**COWPEAS, BLACK EYE.** This is the Common Cowpea extensively grown in the interior valleys. It has a long root and stands heat well. Cowpeas are partly hardy to frost—more so than beans. The seed of this sort looks like a bean and is often called Black-Eye Bean. Sow 20 pounds per acre if drilled. Lb., 20c.; market varies.

**COWPEAS, BRABHAM.** Largely sown to make a rich succulent growth to plow under to enrich the soil. This makes a good long vine. Mixed with soy beans they make an excellent crop. Will grow in an acid soil. Sow 60 pounds per acre if broadcast. Lb., 20c.

**PURPLE VETCH.** At last there is enough of this wonderful cover crop seed to go round, and we are pleased to inform our customers that we expect to have enough of this valuable seed to supply their wants.

**TEN REASONS WHY THE PURPLE VETCH IS THE SUPER-COVER CROP**

1. It makes the heaviest growth of any leguminous cover-crop known.
2. It contains more pounds of Nitrogen per ton of green manure than any other cover-crop.
3. It makes the quickest growth of any cover-crop.
4. It will germinate in a seed bed too poor for Melilotus.
5. It can be planted later than any other cover-crop.
6. It makes the best growth in cool weather of any cover-crop.
7. It can be plowed under earlier in the spring than Melilotus.
8. It will start with less moisture in the fall than Melilotus.
9. Owing to its complete root system it more thoroughly pulverizes the soil than any other cover-crop.
10. On account of its fine stem and leaves it will decompose more quickly than any other cover-crop.

**REMEMBER:** Purple Vetch will practically do as much good in one year as any other cover-crop can in two years. Write for price.

**SORGHUM—SWEET**

**EARLY AMBER.** A good, all around Sorghum, suitable for fodder and other purposes. Price per lb., 25c. Postpaid.

**HONEY SORGHUM.** By far the most popular variety of sorghum sold in this section of the state. It is a very heavy yielder for fodder purposes and has a very high sugar content, making it very valuable for all purposes. For forage sow broadcast at rate of about 60 lbs. to the acre. For syrup purposes sow in drills at rate of 10 lbs. to acre. Price per lb., 25c. Postpaid.

**SILVER TIP SORGHUM.** A variety grown in the vicinity of Santa Ana for several years and very popular for syrup purposes. Price per lb., 25c. Postpaid.

**THE WONDER FORAGE PLANT.** It stools from ten to forty full sized stems the thickness of a thumb and smaller. When the main stems mature, separate branches grow from each joint bearing other seed-heads.

The stems are succulent and sweet, as saccharine cane, not dry as non-saccharine cane, therefore it is as good sorghum for dairy cows. Stock will eat every particle of it. Five pounds of seed is sufficient to plant an acre.

Dairyman, each year that you delay planting this WONDER FORAGE PLANT (Sudan Sorghum) you are missing something worth writing for prices.

**SORGHUM NON-SACCHARINE**

**DWARF MILO MAIZE.** The King of all Sorghums for Grain. Is much preferred to the tall variety because it stools wonderfully and matures a large head of seed on each stalk, producing as much as 3,500 pounds of grain per acre, and the stalk being shorter and having more foliage, makes it more desirable for fodder. Dairymen and hog growers will give more and richer milk when fed on it. It is the right crop to plant in young orchards because it will not shade the small trees. It is highly recommended by the State Department of Agriculture for silage. Price per lb., 25c. Postpaid.

**EGYPTIAN CORN.** Like the preceding fodder crops, it 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. Price per lb., 25c. Postpaid.

**SUDAN GRASS.** In the months of August and September, when all other grass is dry, then is the time that Sudan shines in all its beauty, and by having it fenced off in small lots, it will yield food for five times as many hogs as any other forage plant will, without irrigation. For milch cows and hogs there is no better and more abundant pasture than Sudan. We believe it will solve the hard proposition as nothing else can or will do in the climate. Sudan Grass is also becoming more and more popular for the pasture of cattle and sheep. Owing to the fact that large quantities can be raised on a small plot of ground, it has the feeding value of Timothy and can be raised with very little water and is very popular with the dry farmer. Price per lb., 25c. Postpaid.

**PEANUTS.** Peanuts are becoming more popular in Southern California. Plant when weather is warm. A warm, porous, sandy soil, put into a good friable condition and freed from weeds, is most desirable. Plant six inches deep and three inches apart in the row. Cultivate often and keep the ground loose, as the pods are apt to stick to the hulls. The hull is valuable when used as feed for cattle, hogs or poultry. Price per lb., 20c. Postpaid.

**SUNFLOWER—MAMMOTH RUSSIAN.** A very popular plant with extra large head and good yielder. A favorite with the poultrymen. Price per lb., 25c. Postpaid.

**DWARF ESSEX RAPE.** Pasture for Hogs, Sheep and Poultry. There is a need and a place for an extra quick growing green forage pasture for the winter and spring and our Dwarf Essex Rape fills that need exactly. Rape can never become a pest as it belongs to the same general family as the turnip, swede, 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. We have hogs or poultry to feed through the winter you can't afford to be without a rape patch. Once you have one, you will never want to be without one. We know of no crop plantable at the time of year suitable for rape that will bring you in so great a return for so little expenditure of time and money for seed. Plant September to January. Price per lb., 20c. Postpaid.

**Write us for quantity price.**
FLOWER GARDEN PLANTING CALENDAR

JANUARY

If possible before spading have a good thick dressing of stable manure applied and spaded under. See to the Sweet Peas that were planted in September and October. Carefully hoe them and hill up a little. Prepare hotbeds for planting half-hardy seeds, plants and cuttings.

Sow seeds of hardy annuals in the open ground, Acroclinium, Alyssum, Antirrhinum, Calendula, Calliopsis, Candytuft, Centaurea, Annual Chrysanthemums, Clarkia, Larkspur, Lupin, Mignonette, Nigella, Poppies, California Poppy, Wild Flower Seed, and Sweet Peas.

Plants of Aquilegia, Antirrhinum, Canterbury Bells, Carnation, Digitalis, Pansy, Pentstemon, Shasta Daisy, Stocks, Bulbs of Amaryllis, Agapanthus, Caladium, Gladiolus, Liliums, Narcissus, Tuberoses and Tuberous Begonias.

FEBRUARY

This is really our spring month. Plant nearly everything in hardy annuals and perennials. Thoroughly work up the surface of soil after each rain and keep it mellow, which will hasten the growth.

Look after all Carnations and if over two years they should be replaced with young plants. Carnations may be planted at any time of the year, but this is a good time to plant them to get strong plants for fall and winter blooming.

Sow seeds in open ground: Anemone, Acroclinium, Antirrhinum, Calendula, Calliopsis, Centaurea, Early Flowering Cosmos, California Poppy, Larkspur, Linum, Lupins, Mignonette, Nemophila, Nigella, Poppies, Scabiosa and Sweet Peas.

Sow seeds in seed boxes—Balsam, Begonia, Coreopsis, Gaillardia, Hollyhock, Hunnemannia, Lobelia, Mimulus, Pentstemon, Petunia, Perennial Poppies, Salvia, Stocks and Viola Cornuta.

Plants of Aquilegia, Antirrhinum, Carnation, Canterbury Bells, Digitalis, Pansy, Pentstemon, Shasta Daisy, Stocks, Verbena.

Bulbs of Amaryllis, Caladium, Cannas, German Iris, Gladiolus, Liliums, Tuberoses and Tuberous Begonias.

MARCH

Plant Gladiolus and Tuberoses, Begonias (Tuberous rooted) for succession. This is the best garden month of the year for California, and all kinds of work is in order. Weeds also make a big growth this month, keep them well out of the garden. You can successfully plant nearly everything in the flower, shrub and tree seed line; nearly all danger of frost is past by the 15th and all work should be carefully pursued as a little neglect now may mean a considerable loss later on. Plant Roses and all hardy bush stuff.

Sow seeds in open ground: Acroclinium, Ageratum, Alyssum, Antirrhinum, Arctotis, Amaranthus, Balsam, Brachy-

APRIL

Renew your hanging baskets that have not stood the winter well by getting new plants for them; those injured by the cold should be discarded.


Plants of Begonia, Chrysanthemum, Columbine, Delphinium, Gerbera, Marigolds, Pansy, Petunia, Shasta Daisy, Zinnias and Asters, Vine seeds.

Bulbs of Caladiums, Cannas, Dahlias, Gladiolus, Tuberoses.

MAY

If you have been following our advice you now have great quantities of flowers, but for fall flowering sow Acroclinium, Ageratum, Amaranthus, Asters, Balsam, Carnation, Calendula, Celosia, Centaurea, Coreopsis, Cosmos, Daisies, Annual Chrysanthemums, Candytuft, Dianthus, Gomphrena, Gypsophila, Heliotrope, Helichrysum, Hunnemannia, Lobelia, Larkspur, Marigold, Nasturtium, Nemesis, Nicotiana, Nigella, Phlox, Petunia, Portulaca, Salvia, Salpiglossis, Scabiosa, Schizanthus, Sunflower, Statice, Zinnia.

JUNE AND JULY

Trim edgings of border and hedges and carefully attend to watering. Dahlias may still be planted. Sow Eucalyptus seeds for winter planting.

Continue to dig and store bulbs as they ripen. Sow perennial flower seeds in shady situations.

Seeds of Calendula, Candytuft, Cosmos, Centaurea, Cineraria, Daisies, Marigold, Nasturtium, Portulaca, Poppies, Salpiglossis, Zinnia.

**Plants of** Asters, Ageratum, Begonia, Bellis, Calendula, Carnation, Chrysanthemum, Cosmos, Dahlia, Daisy, Marigold, Pansy, Petunia, Pentstemon, Salvia, Stocks, Zinnia.

**Bulbs of** Gladiolus.

AUGUST

This is the best month in the year in which to sow hardy annuals and perennials. Most varieties of perennials if sown this month will flower next year. Calendula, Cineraria, Centaurea, Cosmos, Pansies, Primula, Stocks, Sweet Peas. Begin sowing seeds of hardy perennials, such as Aquilegia, Bellis, Canterbury Bells, Coreopsis, Cyclamen, Delphinium, Digitalis, Forget-me-not, Gaillardia, Hollyhocks, Pentstemon, Perennial Poppies, Phlox, Pyrethrum, Snapdragons, Verbena, Viola and Wallflower.

**Plants of** Stocks, Pansies, Violets.

**Bulbs of** Freesias, Callas.

Do not water Roses this month or next month. Let them dry down and rest, but do not allow them to become dry enough to die.

SEPTEMBER

Seeds of Anemone, Calendula, Centaurea, Cineraria, African Daisy, Nemesia, Cosmos, Pansy, Primula, Stocks and Winter Sweet Peas. Continue sowing hardy perennials for next year's flowering, such as Aquilegia, Bellis, Canterbury Bells, Coreopsis, Cyclamen, Delphinium, Digitalis, Forget-me-not, Gaillardia, Hollyhocks, Pentstemon, Perennial Poppies, Phlox, Pyrethrum, Snapdragons, Verbena, Viola, and Wallflower.

**Plants of** Cineraria, Stocks, Pansies, Violets, Verbena, Coreopsis.

**Bulbs of** Callas, Freesias, Anemone, Gladiolus, German Iris, Paper White Narcissus.

OCTOBER

Continue sowing seeds for winter blooming of Calendula, Centaurea, Cineraria, Cosmos, African Daisy, Dianthus, Nemesia, Phlox, Pansy, Primula, Scabiosa, Stocks and Winter Sweet Peas.


**Plants of** Cineraria, Pansies, Stocks, Violets, Snapdragons, Pentstemon, Clarkia, Sweet William, Canterbury Bells, Verbenas, Delphinium, Coreopsis, Digitalis, Wallflower.

**Bulbs of** Anemones, Amaryllis, Callas, Freesias, Hyacinths, Ixias, Narcissus, Oxalis, Ranunculus, Spanish Iris, Sparaxis, Tulips, Watsonia, Easter Lilies, German Iris, Montbretias, Gladiolus.

Mulch and manure Roses and thoroughly water them, give lots of manure and you will have lots of flowers if you did not let them grow during the last two months.

NOVEMBER


**Plants of** Carnation, Canterbury Bells, Cineraria, Columbine, Foxglove, Pansies, Pentstemon, Snapdragon, Stocks, Verbenas, Violets, Sweet William, Geum, Clarkia, Hollyhocks, Dianthus.

**Bulbs of** Amaryllis, Anemones, Callas, Hyacinths, Ixias, Narcissus, Ranunculus, Spanish Iris, Sparaxis, Tulips, Watsonias, Lilies, Freesias, German Iris, Gladiolus.

DECEMBER


**Plants of** Carnation, Canterbury Bells, Columbine, Foxglove, Pansies, Pentstemon, Snapdragon, Stocks, Shasta Daisy, Verbena, Violets, Dianthus.

**Bulbs of** Amaryllis, Callas, Gladiolus, Hyacinths, Narcissus, Tulips, Watsonia, Lilies.

Thoroughly protect tender stuff from the cold nights, and let this be among your New Year's resolutions: "I will use more fertilizer next year."
Suggestions--To Assist in Selecting Varieties for Special Purposes

FLOWERING GARDEN ANNUALS
AND OTHER PLANTS THAT ATTAIN PERFECTION AND FLOWER THE FIRST SEASON FROM SEED

Sorts marked * are best for beds and massing.

African Daisy*
Ageratum*
Alyssum, Sweet*
Antirrhinum*
Arctotis
Asters*
Balsam
Brachycome
Calendula*
Calliopsis*
Canna
Candytuft*
Carnation, Marguerite
Celosia
Centaurea (An't)
Chrysanthemum
(Annual Var.)
Clarkia
Convolvulus Minor
Cosmos
Dalila
Dianthus*
Eschscholtzia*
Gaillardia
Godelia
Gypsophila
Hollybeck* (Annual)
Kochia
Larkspur
Linum
Lobelia*
Marigold*
Marvel of Peru
Mignonette
Myosotis*
Nasturtium*
Nicotiana*
Nigella
Pansies*
Petunia*
Petrygium
Pixie D.*
Poppies*
Portulaca
Rudbeckia
Salpiglossis
Salvia*
Scabiosa
Schizanthus
Stocks*
Sweet Pea
Sweet Sultan
Verbena*
Wallflower (Annual)
Zinnia*

EVERLASTINGS
FOR WINTER BOUQUETS

Acroclinium
Gomphrena
Gypsophila Paniculata
Xeranthemum
Helichrysum
Rhodanthe
Statice

PLANTS FOR VASES
HANGING BASKETS, VERANDA BOXES, ETC.

Drooping
Alyssum
Asparagus Sprengeri
Calendula
Convolvulus
Candytuft
Lobelia Gracilis
Nasturtium (Trailing)
Petunia

Upright
Centaura (White-leaved)
Fern
Fuchsia
Heliotrope
Impatients
Pansy

PLANTS FOR EDGING PLANTS, FROM SEED
FOR BORDERING WALKS AND BEDS
All are Annual excepting H. P. are Hardy Perennial.

Ageratum
Alyssum, Sweet
Alyssum, H. Sorts, H. P.
Asters, Miniature
Bellis, H. P.
Candytuft, Dwarf
Cosmos, Dwarf
Lobelia Comp. Vars.
Marigold

Myosotis, H. P.
Nigella
Nasturtium, Tom Thumb
Petunia Comp.
Phlox Nana Comp.
Sweet William, H. P.
Sweet Pea, Cupids
Zinnia, Lilliput

PLANTS FROM SEEDS
SUCCEEDING IN PARTIAL SHADE

Anemones
Antirrhinum
Aquilegia
Bellis
Canterbury Bells
Coreopsis (Hardy)
Delphinium
Digitalis
Ferns

Hardy Primrose
Linum
Myosotis
Pansy
Pimulas
Poppies (Hardy)
Schizanthus
Violet
Viola

PLANTS SUITABLE FOR POTS OR WINDOW BOXES
THAT MAY BE GROWN FROM SEEDS

Ageratum
Asters, Dwarf Sorts
Calceolaria
Carnation
Chrysanthemums
Cineraria
Cyclamen
Ferns

Gerbera
Heliotrope
Impatients
Mignonette
Myosotis
Schizanthus
Stocks

ORNAMENTAL FOLIAGE PLANTS
GROWN FROM SEED
A., Annuals; P., Perennial; H. P., Hardy Perennial.

Amaranthus, A.
Canna, H. P.
Centaurea candida, P.
Cineraria Marit, P.
Kochia, A.

Acroclinium
Helichrysum
Gomphrena
Rhodanthe

Gypsophila Paniculata
Xeranthemum
Statice

PLANTS FOR VASES
HANGING BASKETS, VERANDA BOXES, ETC.

Drooping
Alyssum
Asparagus Sprengeri
Calendula
Convolvulus
Candytuft
Lobelia Gracilis
Nasturtium (Trailing)
Petunia

Upright
Centaura (White-leaved)
Fern
Fuchsia
Heliotrope
Impatients
Pansy

FRAGRANT FLOWERS FROM SEED
Those marked H. P. are Hardy Perennials.

Alyssum
Carnations
Cyclamen
Dianthus (Hardy)
Heliotrope
Lavender, H. P.
Mignonette
Nicotiana Affinis

LONG-STEMMED FLOWERS
NOTABLY SUITABLE FOR CUTTING

Aquilegia
Asters
Calliopsis
Carnations
Centaura Cyanus
Chrysanthemums, Maximum, spanese and French
Coreopsis
Cosmos
Dahlias
Delphinium (Hardy)
Dianthus

Glycine
Gerbera
Gypsophila
Larkspur (Branching)
Marigolds
Penstemon
Salpiglossis
Scabiosa
Stocks
Sweet Pea
Zinnias

HARDY PERENNIALS
FOR PERMANENT BEDS, BORDERS OR MASSES—MANY FLOWERING THE FIRST SEASON

Alyssum
Anemone
Antirrhinum
Aquilegia
Ageratum
Bellis (Daisy)
Campanula
Canna
Centaura Candidissima
Chrysanthemum
Coreopsis
Cyclamen
Dahlia
Delphinium
Dianthus (Pinks)
Digitalis (Foxglove)
Forget-me-not
Foxglove
Freesia
Gaillardias
Gerbera
Gladiolus
Gypsophila Pan
Heliotrope
Hollyhocks

Hunnenmania
Impatiens
Linum, Flax
Lobelia
Myosotis
Pansy
Poppy
Penstemon
Papaver, Oriental
Petunia
Phlox
Primula
Ricinus
Romneya
Rudbeckia
Salvia Splendens
Scabiosa
Snapdragon
Statices
Stocks
Sweet Alyssum
Verbena
Violia
Wallflower
CHOICE SELECTED FLOWER SEEDS

The ordinary commercial grades of flower seeds, such as are usually sold, can be and are sold at a very low price. They are grown and harvested in large crops, much like grain. They are produced cheaply, and are, in fact, cheap in every sense of the word, and he who sows them has no right to complain at their poor quality. They cannot possibly be anything but poor. Seed of high quality can be produced only by thorough, careful, painstaking and expensive methods. Our stocks are special strains of special varieties bred up to the highest mark of perfection and selected with great care, and for this reason we offer but a limited number of varieties—only those which are of the greatest merit, and sure to give satisfaction everywhere.

READ CAREFULLY

In sowing flower seeds in California it must be remembered that the conditions are entirely different from those existing in the Eastern States. There the time for sowing all hardy and half hardy annuals is in the spring, while in California the majority of them do best when sown in the fall and early part of the winter, this being the season when most of our native annual wild flowers commence to grow. It naturally follows that it is the best time to plant most annuals in our gardens. There are, however, some exceptions to this rule, such as Assers, Zinnia, Portulaca, etc., which are distinctly summer flowering plants. In the following pages we have endeavored to give special instructions where needed as far as space will permit. When no special time for sowing annuals is mentioned, it is understood that the fall and winter months are the best time.

ABRONIA (Sand Verbena). A charming trailing succulent plant, with Verbena-like heads of fragrant flowers. A native of California. Thrives in dry situations and is valuable for rock work or hanging baskets. Umbellata, Rosy Lilac. Pkt. 10c.

ACROCLINUM (Everlasting Flower). Annual 1 to 1½ feet high. Pretty daisy-like flowers, very effective for bouquets either fresh or dried. For drying, cut with long stems, just as the flower commences to open, tie in bunches and hang up, with the flower downwards, for 4 to 5 weeks until thoroughly dry. It succeeds best in California when grown in the winter season. Sow in the open ground in fall or early winter. Mixed. Pkt., 10c.

AGATHEA. Sometimes referred to as the Blue Marguerite. Plants dwarf and compact, covered throughout a long season with myriads of small Blue Marguerite-like flowers. These are splendid for cutting purposes. Pkt., 10c.

AGERATUM MEXICANUM. Annual, 9 to 12 inches high. A favorite bedding plant; flowers in clusters, of brush-like appearance; very free flowering. Helps extend the season. Sown in pots or seed boxes and afterwards transplanted. Imperial Dwarf Blue. Light blue. Pkt., 10c.

ALYSSUM (Sweet). This is one of the finest annuals we have for edging and is beloved by many for its fragrance and continuous blooming qualities, bearing spikes of small white flowers in great profusion. Procumbens, "Carpet of Snow." Dwarf, white; height 4 to 6 inches. Pkt., 10c.; oz., 40c. Lilac Queen. This new and distinct variety is of dwarf compact habit and produces flowers of a pure lilac shade. The plants when in full bloom resemble a miniature candytuft. Pkt., 10c.

ANCHUSA ITALICA, DROPMORE. This beautiful perennial plant is of recent introduction and should be planted in every garden. The plants grow 2 to 3 feet high and flowering in spring and early summer. The flower spikes, are of a rich gentian-blue shade. Pkt., 15c.

ANEMONE—"WINDFLOWER." The beautiful Irish Poppy-flowered varieties produce in abundance large single, semi-double and double flowers, three to five inches across, of an endless variety of colors, from maroon and bright scarlet to flesh pink, and from lilac to purple; some are mottled, striped, fringed, etc. For cutting they are unsurpassed. They are hardy perennials, flowering from seed in about four months. Seedlings produce quite as fine flowers as imported bulbs, and have the appearance of large poppies, and they last for many days, far better in this respect than the poppy. Same culture as for Aquilegia, which see: Anemone. Single and double, in fine mixture. Pkt., 15c.

ANTIRRHINUM. "Snapdragon." A perennial blooming the first season from seed and generally treated in California as an annual. Snapdragons are among the most popular flowers grown in California. In the last few years great advancement has been made in the development of these lovely flowers, both increasing the size of the blossoms and adding many new and delicate shades. Below we are offering an assortment of the very best varieties of recent introduction. Brilliant Rose, rose pink. Pkt., 10c. Crimson King, rich crimson. Pkt., 10c. Golden King, giant yellow. Pkt., 10c. Harmony, terra cotta orange shaded rose. Pkt., 10c. Othello, dark claret and white. Pkt., 10c. Rose Queen, soft pink. Pkt., 10c. Queen Victoria, pure white. Pkt., 10c. Majus Grandiflora, mixed. Pkt., 10c. Maximum. See inside front cover.

AQUILEGIA. "Columbine." Magnificent perennial plants growing from 2 to 3 feet high and flowering in spring and early summer. The seed should be sown any time in seed pans or boxes and afterwards transplanted to the open ground. They succeed best in a moist, shady situation. Long Spurred Hybrid. A magnificent strain of Hybrid Columbines producing an abundance of very large flowers with long spurs and borne on tall, graceful stems. The colors range in all shades of blue, lavender, mauve, yellow, orange, scarlet, rose-pink and white. Pkt., 15c.

ANEMONE Majus Grandiflorum

Antirrhimum Majus Grandiflorum

ARCTOTIS GRANDIS. Annual, 2 to 3 feet high. Flowers large, white on the upper surface, the reverse of petals pale lilac-blue. Of easy culture and remarkably free flowering. One of the best for cut flowers. Pkt., 10c.

AUSTRALIAN PEA VINE (Dolichos lignosus). A very rapid growing vine, with pretty foliage and rose and purple pea-shaped flowers. Valuable for covering up fences quickly; stands the heat well. The seed should be soaked in hot water about 12 hours before sowing. Pkt. 10c.
BROWALLIA ELATA. Annual one to one and a half feet high. A

BRACHYCOME IBERIDIFOLIA. Swan River Daisy. Annual,

BELLIS PERENNIS. "Double Daisy." Perennial, but flowering the

CAMPANULA MEDIUM. "Canterbury Bells." Biennial, 254 to 3

CALLOPSIS. Annual, 2 to 3 feet. Showy and free flowering plants

BEGONIA. Ever-blooming Bedding Varieties. Perennials flowering

characteristics, except that it is much earlier flowering.

BALSAM "Touch-Me-Not." Annual 1 to 1½ feet high. Valuable for

summer flowering. Sow the seed in boxes in early spring and af-

ferwards transplant to beds of rich, well prepared soil.

Camellia-flowered. Double mixed. Pkt. 1½c.

BEGONIA. Ever-blooming Bedding Varieties. Perennials flowering

the first season from seed. Very popular bedding plants doing well in

sunlight, also in shady and partially shaded situations, flowering for a long period. The plants grow about 1 foot high, form-

ing dense, compact bushes, almost completely hidden by the bright

flowers of the flowers. They are also admirable for pot culture or window

plantings. The flowers measure 2 to 3 inches across, are of white,

nearly all the year.

Browallia. Delicate rose color. Pkt. 1½c.

BELLIS PERENNIS. "Double Daisy." Perennial, but flowering the

first season from seed. Favorite plants for edging, low beds, etc.

Height 6 inches. Pkt. 1½c.

BRACHYCOME IBERIDIFOLIA. Swan River Daisy. Annual, 1 to

2 feet, with masses of finely cut leaves. The flowers are large and full

of color. Pkt. 25c.

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plantings. The flowers measure 2 to 3 inches across, are of white,
COLEUS. Perennial, 1 1/2 to 2 feet high. Magnificent foliage plant. For best effect, keep them out during the summer season. Sow the seed in pots or seed pans, covering very lightly and as soon as large enough pot off into small pots.

New large-leaved varieties. The finest strain procurable. Producing large leaves of the most brilliant and showy colors. Pkt., 25c.

CONVOLVULUS MAJOR. "Morning Glory." Annual climbing vine attaining a height of about 15 feet. Useful for covering fences, trellises, etc. Soak the seeds in warm water for a few hours before planting. Pkt., 10c.

Minor. "Dwarf Morning Glory." Annual, 1 foot. Flowers similar to the "Morning Glory," but smaller and remaining open all day in fine weather. Very pretty for borders or grown in masses in beds. All colors, fine mixed. Pkt., 10c.

Mauritanicus. Perennial trailing plant. Valuable for rock work or for hanging baskets. Flowers a rich shade of lavender. Soak the seeds a few hours in hot water before planting. Pkt., 15c.

COREOPSIS LANCEOLATA. Perennial, 2 feet high. Large, showy, bright yellow flowers produced in great abundance. Much used for cutting purposes. Pkt., 10c.

CORNFLOWER. See CENTAUREA.

COSMOS. Annual, producing large single flowers much used for cutting purposes. The plants vary in height according to the time of the year at which they are planted. If sown in the spring they grow very tall, from 3 to 8 feet high, and flower in the fall, but if seed is sown in the fall about October, they will flower in about 2 months and the plants will be dwarf, from 1 1/2 to 2 feet high and ready for cutting purposes. Sow seed in December and the seed will form dwarf plants and bloom about March. Mammoth perfection, white, pink, crimson, or mixed. Each, per pkt., 10c. or 30c.

New double or Anemone Flowered. Though not exactly a double flower, on the disc flowers there is produced a thick beard-like growth, giving the flower a full or double appearance in the center. Pink. Pkt., 15c.

Mixed. Pkt., 15c.

Cosmos Kondyke. Annual, 2 or 3 feet. Deep orange-colored flowers, 2 1/2 to 3 inches in diameter, blooming in the fall. Pkt., 15c.

CUCUMBER WILD. (Echinocystis lobata). A quick growing annual vine which may be used for covering trellises, etc. Pkt., 10c.

CYPRESS VINE. A popular annual climbing vine with del'icate fern-like foliage and masses of small star-shaped flowers. Sow the seed in pots or seed pans, covering very lightly and as soon as large enough pot off into small pots. Pkt., 15c.

DIADEMA. Annual, 12 to 15 inches high. One of the very best winter flowering plants, recently introduced. It is especially adapted for planting thickly in beds. All Varieties Mixed. Pkt., 25c.

DIALTUS CHINENSIS. Biennial, but generally treated as an annual, 1 foot high. Charming free-flowering plants with flowers of the most brilliant colors. Very effective for planting thickly in beds. Chinensis. Fine mixed. Pkt., 10c.

DIGITALIS. "Foxglove." These improved Foxgloves are very showy, hardy, perennial plants for the garden and herbaceous border, they are easy to grow and produce freely long spikes, standing 4 to 5 feet high, well furnished with largest Gloxinia-like flowers of various colors, including white, cream, rose, red and other shades, all of which have beautiful throat markings, spots and blotches of purple, maroon, etc. They are more robust than the ordinary garden Digitalis, have shorter stems and larger flowers. Digitalis Gloxiniflora. Finest mixed. Pkt. 10c.

DIMORPHOTHECA AURANTIACA. "African Orange Daisy." Annual 12 to 15 inches high. One of the very best winter flowering plants, recently introduced. It is especially adapted for planting thickly in beds. All Varieties Mixed. Pkt., 25c.

DIANTHUS CHINENSIS. Biennial, but generally treated as an annual, 1 foot high. Charming free-flowering plants with flowers of the most brilliant colors. Very effective for planting thickly in beds. Chinensis. Fine mixed. Pkt., 10c.

GODETIA. Annual, 1 to 2 feet high, with large showy flowers. Especially valuable for sowing in partially shady places. Tall Double Grandiflora. Deep Rose. Pkt., 10c.

Tall Double Grandiflora. Mauve. Pkt., 10c.

GYPSOPHILA GRANDIFLORA ALBA. Annual, 1½ to 2 feet high. A showy native flower with blossoms 2 to 3 inches in diameter. An old-fashioned favorite for summer. Pkt., 10c.

GERBERA JAMESONII HYBRIDA. "Transvaal Daisy." This beautiful flower, which is an excellent cut flower, is effective when mixed with other summer flowers. Pkt., 10c.

HELIANTHUS. "Sunflower." Annual, 6 to 7 feet. A well-known "everlasting" flower. Sow the seed in boxes late in summer and transplant. The plants will bloom the following summer. Pkt., 10c.

HOLLYHOCK. Perennial, 6 feet high. An old-fashioned favorite flower. Sow the seed in boxes late in summer and transplant. Pkt., 10c.

HUNNEMANNIA FUMARIAFOLIA. "Mexican Poppy." Perennial, 2 to 3 feet. Large flowers resembling the California Poppy but more bowl-shaped and of a light canary-yellow color. Very free flowering and especially valuable for cutting purposes, the blooms lasting a long time in water. Blooms freely the greater part of the season. Sow the seed in the spring or summer, and transplant within a few months of the time of sowing. Pkt., 10c.

KOCHEL PERSICIFOLIA. "Summer Cypress." Mexican. Pkt., 10c.

KOEPIA. Annual, 1½ to 2 feet high. Much used for bouquets for mixing with carnations and other flowers. Flowers small, white, blooming best in winter season. Pkt., 10c.

PERSICIFOLIA. Annual, 1½ to 2 feet high. Producing numerous flowers resembling clover heads, which are cut and dried as an everlasting flower. White, pink, purple, and other colors. Pkt., 10c.

POMPADOUR. "Hybrid." Annual. 1½ to 2 feet high. Forms very decorative, compact bushes with fine light green foliage, which turns deep red in the fall. Very ornamental, for planting as a background or temporary hedge. Sow in the spring. Pkt., 10c.

SUNFLOWER. "Sunflower." Annual, 6 to 7 feet. Well-known showy plants for summer flowering. Sow the seeds in boxes late in summer and transplant. The plants will bloom the following summer. Pkt., 10c.

HELICHRYSUM MONSTROSUM. "Straw Flower." Annual, 2 to 3 feet. A well-known "everlasting" flower. Double, fine mixed. Pkt., 10c.

HUMULUS JAPONICUS VARIGATUS. "Japanese Hop." A beautiful annual climbing plant. Leaves marbled and splashed with white on light and dark green ground. Very effective for screens, arbors, etc. Sow the seed in spring when the weather is warm and settled. Pkt., 10c.

LARKSPUR, DOUBLE STOCK FLOWERED. Are the 50 to 60 and 90 inches. Likes a warm, sunny location in any garden soil. In hot water a few hours before planting and sow in spring when the weather is warm and settled. Pkt., 10c.

LARKSPUR, TALL DOUBLE STOCK FLOWERED. Are the same as above. Pkt., 10c.
Lobelia. Annual, 4 to 6 inches, forming compact, free flowering plants much used for edgings, etc. Sow the seed in February in seed pans of fine light soil. Do not cover the seed, but sow on the surface and press down firmly with the hand and water with a fine spray. When large enough, transplant to the open ground.

Lantana. Tender perennial, growing from 2 to 3 feet high, bearing red, yellow, and orange flowers. May be pricked out into shallow boxes and afterwards transplanted to the open ground.

Lavatera Trimestris. Annual, 3 feet high, producing large clusters of flowers in various shades. May be grown in hanging baskets. Pkt., 10c.

Linaria Marocana Hybrids. A pretty garden annual, with finely cut leaves and long graceful stems, making this an ideal cut flower. A recent introduction. Pkt., 10c.

Linum Grandiflorum Rubrum. "Scarlet Flax." Annual, 1 to 2 feet high. Very effective for planting in masses in large beds; also for sowing broadcast on waste ground. Pkt., 10c.


Love-Lies-Bleeding (Amaranthus caudatus). Annual, 2 feet high. An old-fashioned flower much prized for its fragrance. Sow in spring and autumn, for the greater part of the year. Sow the seed in February or early fall in seed boxes and when large enough, transplant. This strain of Pansies is unexcelled. The blooms being very decorative used either alone in vases or mixed with other flowers. Plant in the spring in open ground. Pkt., 10c.

Mignonette. Bright blue. Pkt., 10c.

Nasturtium From Thumb. Annual, 8 inches to 1 foot; useful for bedding and borders, flowering through the summer and also through the winter in locations where they are not cut by the frost. Pkt., 10c.


Nicotiana. Annual, 2 to 4 feet. Sow the seed in spring in seed boxes and transplant.

Nasturtium, Tom Thumb. Annual, 8 inches to 1 foot; useful for edging and borders, flowering through the summer and also through the winter in locations where they are not cut by the frost. Pkt., 10c.


Ornamental Grass. This mixture of grasses is grown for their grace and beauty in the garden and for their cutting value. They are very decorative used either alone in vases or mixed with other flowers. Plant in the spring in open ground. Pkt., 25c.

Pansies. Giant Mastodon. Plant the seed in July and August under cloth cover, for fall and winter blooming; or in late fall for spring flowering. The seeds should be covered very lightly not over 1/6 inch, and kept cool and damp. When large enough, transplant. This strain of Pansies is unexcelled. The blooms being very decorative used either alone in vases or mixed with other flowers. Plant in the spring in open ground. Pkt., 10c.

POPPY. Ryburgh Hybrids. The flowers are double and resemble a POPPY. Tulip (Glaucum). Large tulip shaped flower of dazzling POPPY, ^ Showy flowers for beds and borders, also very effective

PHLOX DECUSSATA. "Perennial Phlox." This splendid, free flow¬
ering perennial is deserving of a place in every garden. The plants

PORTULACA. A low spreading annual about 6 inches high, flow¬
ering in a short time from seed and blooming through the entire
summer season. Very effective for massing in beds, producing a
perfect carpet of brilliant colors. Sow the seed in spring after the
weather has become warm and settled. Single and double mixed.

PRIMULA, SINENSIS FIMBRIATA. "Chinese Primrose." Beauti-
tual green house plants, blooming in winter and spring. Sow the
seed in August or September in pots or seed pans of rich loam
mixed with sand, cover the seed lightly and keep in a green
house; when large enough, pot into small pots and later to larger
pots as required. Finest mixed. Pkt., 25c.

Primula Malacoides. A new Hybrid Primula which has become
increasingly popular on account of its hardy nature and free flow-
ering, growing in habit similar to Obconica, but is considered finer,
of light lilac to pure white in color. Pkt., 25c.

Primula Obconica Gigantea. A charming little plant for pot cul-
ture. Perennial but blooming in a few months from seed; height
6 to 8 inches. A profuse bloomer, bearing heads of 10 to 15 flow-
ers on long stems. Sow the seed in August or September in pots
or seed pans of light, rich loam and keep in a frame or green
house, pot up when ready. Mixed colors. Pkt., 25c.


PYRETHRUM. "Golden Feather." Pretty foliage plants with deeply
cut leaves, useful for edgings; perennial, 6 to 9 inches. The plants
should be kept trimmed and all flowers cut off as they appear.
Sow the seed in boxes, covering very lightly, and when large
enough, transplant. Pkt., 10c.

Hybridum Roseum. Tall vigorous grower and flowers freely.
The flowers are daisy-like and the colors vary from rose and pink
to cream and white, all have yellow centers. Single mixed. Pkt.,
10c.

RHODANTHE. A graceful little 'Everlasting Flower," annual, 1
foot high. Treat the same as Ageratum. Pink, rose, white, crim-
son, etc., mixed. Pkt., 10c.

RAUNICUS. Very attractive flowers, very double, coming in
reds, yellows, bronze, buff, etc., and a great addition to the garden.

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RHODANTHE. A graceful little 'Everlasting Flower," annual, 1
foot high. Treat the same as Ageratum. Pink, rose, white, crim-
son, etc., mixed. Pkt., 10c.
RICINUS. “Ornamental Castor Bean.” Rapid growing plants with immense, rich colored leaves, producing a sub-tropical effect planted on lawns or in clumps. Height 6 to 10 feet. Sow in spring when the weather has become warm and settled. Zantheanum. A large seed, red, yellow and reddish stems. Plants grow to immense size. Pkt., 10c.

ROMNEYA COULTERI. “Mantilija Poppy.” A native of California; perennial, 6 to 10 feet high and of shrubby growth. The queen of California flowers; truly a majestic plant. The plant throws up long leathery woody stems with handsome gray-green foliage, topped with large numbers of flowers. The blossoms are often 6 to 8 inches in diameter, of a crepe-like texture, pure glistening white with bright yellow centers. The seed is hard to germinate; some claim to have had success by soaking the seed in a weak solution of lye. Pkt., 10c.

RUDBECKIA NEUMANNI. “Golden Glow.” Vivid yellow, semidwarf in habit, very free and long bloomer, with very large spikes of flowers. Pkt., 15c.

SALVIA SPLENDENS. “Scarlet Sage.” For producing a dazzling mass of color all through the summer months there is probably no other flower that can equal the “Scarlet Sage.” It is a perennial, but blooms in a short time from seed. Much used for bedding and succeeding best in a sunny situation. Sow the seed in February or March in seed boxes and when large enough, transplant. Splendens. Long spikes of vivid scarlet flowers; height 2 to 3 feet. Pkt., 10c.

Salvia Garyanica. A hardy perennial. The spikes of 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., 10c.

Salvia Patens. “Blue Sage.” Perennial, 2 feet, flowering the first season from seed, succeeding best in a partially shaded situation. Salvia Farinacea. A hardy perennial. The spikes of light blue color rise above the foliage in an almost continuous mass of bloom. The plants may be used for beds, borders or as specimen plants among shrubs. Pkt., 10c.

SCHIZANTHUS. (Butterfly Flower.) An easily grown plant, bearing quantities of gay butterfly-like flowers, closely resembling some species of Orchids. For winter blooming in pots the Schizanthus is one of the most desirable of all flowers. Schizanthus Wistonensis. An improved strain, excellent for pot culture and partial shade. Pkt. 10c.

SHASTA DAISY. One of the most popular of Mr. Burbanks productions. Perennial, about 2 feet high, flowering for the greater part of the year, but at its best in spring and early summer. Sissingham. Perpetual or Branching. “Cut and come again.” Sow in spring or early fall in seed boxes, covering the seed very lightly; when large enough transplant. Alaska. Flowers often 4 inches across, purest glistening white with yellow centers; broad overlapping petals, long stems. Pkt., 10c.

EVERLASTING FLOWERS. A great many Eastern people are interested in these flowers, of which so many bouquets are sold in California. They are very attractive and grow well in the East. We offer one 10c. pkt. of each six varieties as follows: Acroclinium, Gomphrena, Helichrysum, Xeranthemum, Rodanthe and Statice, for 50c.

STATICE (Sea Lavender). Most valuable plants either for border or rockery, with tufts of leathery foliage, panicles of minute flowers, producing a remarkable effect; grows from 15 to 30 inches high and blooms from April until September. These plants are becoming more popular each year. Especially so since it has been demonstrated that they are so practical for making up “everlasting” bouquets. Their great variety of colors makes them very effective. Statice Alaska. One of the finest of the many varieties. Small flowers than Latifolia and of more delicate appearance in bouquet work. Makes up beautifully with other flowers, or may be cut for fixing or for drying for “everlasting” bouquets. This variety comes in the lighter colors. We offer white, pink, lavender and yellow mixed. Pkt., 10c.

Statice Caspia (New). One of the finest of the many varieties. White, pink, lavender and yellow mixed. Pkt., 10c.

Statice Caspia (New). One of the finest of the many varieties. Mixed. Pkt., 10c.

Statice Latifolia. Perennial, 15 to 20 inches tall, producing panicles of small lavender blue flowers, which can be cut and dried and used for wedding bouquets. Also used in pot culture. Sow seed late in spring or early in the fall, in seed boxes, and transplant. Pkt., 10c.

STEVIA SERRATA. Small fragrant white flowers borne in large heads which are valuable for cutting. A fall-blooming perennial of easy culture. Pkt., 10c.

STOCKS. “Gilliower.” A favorite annual, succeeding best in California during the winter season. Largely grown for cut flowers, lasting a long time in water. Very effective for planting in beds or borders. To obtain the best results the seeds should be sown in August, September, or early part of October, in seed boxes of rather light soils, and afterwards transplanted to the open ground. In transplanting stocks care should be taken to save the small or weak growing plants, as these generally produce double flowers, while the strong, robust growing seedlings often come single. Perpetual or Branching. “Cut and come again.”

White, Princess Alice, Pkt., 10c.

Blood Red, Pkt., 10c.

Canary Yellow. Pkt., 10c.

Rose, Rose Pink, Pkt., 10c.

Silvery Lilac. Pkt. 10c.

Flesh. Pkt., 10c.

Violet. Pkt., 10c.

Mixed. Pkt., 10c.

**Stocks, Early Giant Imperial**

Early Giant Imperial. An especially meritorious class. Growing from 24 to 30 inches tall, of branching habit. Very early blooming and producing a high percentage of doubles.

Antique Copper. See inside front cover.

Golden Rose. See inside front cover.

Canary Yellow. Pkt., 15c.

Lilac. Pkt., 15c.

Rose. Pkt., 15c.

Lavender. Pkt., 15c.

Flesh. Pkt., 15c.

Chamois, Ivory, Tinted Old Rose. Pkt., 15c.

SWEET WILLIAM. Perennial, 1 foot. An old-fashioned flower for beds or borders, producing a great display of showy and varied colors. Sow the seed early in spring; the plants will flower the following year.

Single, all colors, mixed. Pkt., 10c.

Double, all colors, mixed. Pkt., 10c.
TACSONIA MANICATA. "Scarlet Passion Vine." A magnificent perennial climber, producing an abundance of large scarlet blooms. Sow the seed in pots or seed pans and afterwards transplant. Pkt., 15c.

THALICTRUM DIPTEROCARPUM. This handsome herbaceous perennial plant is easily raised from seed. The blossoms are minute in character varying from mauve to deep blue in color, the center of the flower being light yellow. The plants reach a height of six feet and over, and are delicately graceful subjects as seen growing in the garden. Aside from its value as a garden plant the cut sprays lend themselves well in mixed bouquets, giving a light airy effect to the whole. Per Packet, 25c.

THUNBERGIA ALTA. Annual climbing vine 5 to 6 feet. useful for low fences; also for hanging baskets. Sow the seed in spring. Flowers white, yellow, orange and buff, with dark centers, mixed. Pkt., 10c.


VALARIANA (Garden Heliotrope). Rubra mixed. A much-prized showy hardy perennial. It bears dense clusters of Heliotrope-scented flowers of red or white. Blooms continuously and is easily raised from seed. Pkt., 10c.

VERBENA. Perennial of reclining habit, height 9 to 12 inches. The plants bloom the first season from seed and are unsurpassed for bedding where a display of color is desired. After they are established they grow with scarcely any attention and a small amount of water, preferring a sunny situation. Sow the seed in winter or early spring in seed boxes of good loam mixed with some leaf-mould, covering the seed lightly, or they may be sown in a well-prepared bed in a shady situation. Violet seed is slow to germinate.

ODORATA. The old-fashioned Sweet Violet. Pkt., 10c.

Princess of Wales. The largest violet in cultivation and the one so largely used for cutting. Pkt., 10c.

WALLFLOWER. An old-fashioned fragrant flower; biennial, 1 to 1 1/2 feet. Sow the seed in spring and transplant. The plants will flower the following winter.

DOUBLE MIXED. Pkt., 10c.


VERBENA, Gigantea Mixed

VERBENA. Perennial of reclining habit, height 9 to 12 inches. The plants bloom the first season from seed and are unsurpassed for bedding where a display of color is desired. After they are established they grow with scarcely any attention and a small amount of water, preferring a sunny situation. Sow the seed in winter or early spring in seed boxes and when large enough, transplant. Gigantea. White, Pink, Purple, or Lucifer. Each, per pkt., 10c. Gigantea. All colors, mixed. Pkt., 10c.

VIOLA ODORATA. "Sweet Violet." A favorite fragrant flower, perennial, 6 inches. Succeeding best in a rather shady situation. Sow the seed in winter or early spring in seed boxes of good loam mixed with some leaf-mould, covering the seed lightly, or they may be sown in a well-prepared bed in a shady situation. Violet seed is slow to germinate.

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Princess of Wales. The largest violet in cultivation and the one so largely used for cutting. Pkt., 10c.

WALLFLOWER. An old-fashioned fragrant flower; biennial, 1 to 1 1/2 feet. Sow the seed in spring and transplant. The plants will flower the following winter.

DOUBLE MIXED. Pkt., 10c.


ZINNIA, GIANT DOUBLE. Zinnias are among the most popular of the summer flowering annuals, producing a grand display of brilliant and dazzling colors for many months, with little care and attention. The plants of this giant strain are of extremely robust growth, attaining a height of from 2 to 2 1/2 feet, bearing immense flowers, often 5 inches in diameter; very double, and of the most striking colors. We offer this superb strain in 9 distinct shades.

Cardinal (New). Pkt., 10c.

Burnt Orange. Pkt., 10c.

Buttercup. Pkt., 10c.

Rose King. Pkt., 10c.

Lavender. Pkt., 10c.

Purple Shades. Pkt., 10c.

Scarlet. Pkt., 10c.

Canary Yellow. Pkt., 10c.

White. Pkt., 10c.

All Colors Mixed. Pkt., 10c.

Harris' Giant Double Zinnia
ZINNIA, GIANT DAHLIA FLOWERED. This wonderful improved strain of Zinnia was granted an Award of Merit and Gold Medal in 1924 by the Royal Horticultural Society of England. The flowers are sensational, combining as they do, large size, fullness of petals, wonderful range of color and good keeping qualities. They resemble in appearance the Decorative Dahlia. When in full bloom they often measure 5 to 6 inches in diameter. This wonderful strain originated and is grown in California and we cannot recommend it too highly to our friends.


Oriole. Immense flowers of orange and gold. Pkt., 25c.


Polar Bear. Large white. Pkt., 25c.

Crinmon Monarch. Bright crimson, the largest of the Dahlia Flowered type. Pkt., 25c.


Mixed. Good range of colors. Pkt., 15c.

PICOTTTE TYPE. Petals outlined by a contrasting color which harmonizes with body of flower. Pkt., 15c.

ELEGANS LILLIPUT, Salmon Rose, see inside front cover.

ELEGANS LILLIPUT. Small double flowers, very attractive and good for cutting. Mixed colors. Pkt., 15c.

GIANT DOUBLE ZINNIA. Special mixture of pastel shades, made up of all the delicate pastel shades. Pkt., 15c.

HARRIS WILD GARDEN MIXTURE. A well-balanced mixture of hardy annuals, suitable for planting in odd corners and vacant lots.

Pkt., 10c.; oz., 20c.; ½ lb., 60c.; lb., $1.75.

Winter Flowering or Long Season Spencer

The winter flowering type of Spence Sweet Peas is much the most satisfactory variety to grow in this section of the country. They can be planted from the first of September to the first of March with excellent results. The September plantings will flower in December and if given proper care, will continue to bloom for at least four or five months, the later plantings lasting in proportion well into the summer. The Spencer type of Sweet Peas is the long stemmed, large flowering variety, many of them having fluted edges, and from three to four flowers to the stem. Our seed is from one of the best growers on the Pacific Coast, and our customers invariably capture most of the prizes at the local flower shows when they exhibit.

For best results, spade up the ground to a depth of 18 inches and fertilize well. Plant the seed in a furrow 6 inches deep, covering to a depth of 1 inch. As your plants grow, draw the soil to them, being careful not to smother them. At time of planting, be sure to have soil well soaked to a depth of 2 or 3 feet and sow seed when surface works nicely.

NOVELTIES

EARLY IMPERIAL PINK. See Novelties inside front cover.

EARLY ORANGE KING. Glowing intense orange. Pkt., 25c.

EARLY SWEET LAVENDER. Pure lavender self. Pkt., 25c.

EARLY PINK CHEROKEE. Pink suffused salmon on cream ground. Pkt., 25c.

Earli All White, as named.

Early Aviator, dazzling crimson scarlet.

Early Amethyst. Royal purple.

Early Blue Bird. Dark navy blue.

Early Columbia. Salmon rose, standard white wings.

Early Cream. As named.

Early Fair Maid. Blush pink, suffused salmon.

Early Glitters. Cerise.


Early Helen Lewis. Orange salmon.

Early Hercules. Mammoth rose pink.


Early Othello. Deep maroon.

Early Rose Charm. Large bright rose.


Early Zvolanek's Rose. Giant rose pink, select strain. Pkt., 10c.; oz., 75c.

Prices on above list except where noted. Pkt., 10c.; oz., 60c.; ½ lb., $2.00. Write us for prices on larger quantities.

STANDARD LATE FLOWERING SPENCER SWEET PEAS

San Diego and vicinity is so eminently suited to the raising of the Early Flowering Spencers that we do not list many separate colors in the Summer Flowering varieties, but we carry in stock the Silver Gilt Medal Mixture of these varieties, which is a wonderful blend of only the best and brightest spencers, including all the worth while novelties of recent years. In addition to this we carry a few separate colors, and the beautiful novelty.

Mary Pickford. Dainty cream pink suffused salmon. Pkt., 15c.

Hawkmor Pink.


Austin Frederick. Giant lavender.

Edna May. Pure white.

King Edward. Crimson self.

Snowball. Dazzling white. Pkt., 15c.; oz., $1.00

Wedgecwood. Azure blue.

Silver Gilt Medal Mixture.

Owing to the fact that it has become necessary to stop the importation of a large number of Bulbs from Europe, on account of various pests with which they are infested, and against which we need protection, California is fast becoming a Bulb-producing country in a large way, and we are therefore buying many of our bulbs at home, instead of importing them from Europe.

In this way we are in a position to get in close touch with the Bulb growers themselves and in many cases actually inspect the fields from which the bulbs come, thereby making sure that we are getting “Quality Goods”.

Every experienced planter knows the importance of reliability in seeds, plants and bulbs, and no matter whether the garden be large or small you must have quality if you want success. The bulbs we offer you in this list are (like the seeds and plants offered you in this catalogue) of the best varieties and bought with the greatest care from the best growers both at home and abroad, and we feel confident that, if they are given the proper care, the results will be satisfactory. You will find brief cultural directions with description of each bulb.

**DAHLIAS**

The Dahlia seems to become more popular year by year, and why not? What other flower will give you more for the time and effort expended? Like the Gladioli, each season sees so many wonderful new creations and improvements in these flowers, that it keeps one busy to keep up with the procession.

During the planting season, which lasts approximately from the first of March to the middle of May, we aim to carry a stock of approximately one hundred different varieties of Dahlias, specially selected from the choicest on the market, the varieties chosen being of known merit. Therefore, you need not hesitate in selecting anything from our list, which will be mailed to you on request during the Dahlia season. Remember that different Dahlias produce different size tubers, so do not judge the size of the flowers you will get from the size of the bulb, because some of our choicest Dahlias produce small tubers.

**CALLA LILY**

Known to every lover of flowers. It is one of the most beautiful blooms, and cannot be too highly recommended.

**CULTURE.** Callas are very easy to grow, and to be successful they need only be given a good rich soil and an abundance of water. May be planted either in a sunny or half shady place. The white variety may be planted from July to March, and will bloom all year excepting during June, July and August. The yellow variety is ready in December and should be planted shortly afterwards.

**Aethiopica.** The White Calla Lily, or Lily of the Nile. 25c. each, $2.50 per dozen.

**ELLIONTIANA, THE YELLOW CALLA LILY**

This is the finest Calla grown; large deep, rich golden yellow color. The leaves are spotted with white, habit like our old favorite White Calla. Ready for shipment January 1st.

Medium size, each 25c.; $2.50 per dozen.

**GIANT BLACK CALLA**

A most remarkable and rare plant having flowers shaped like the ordinary Calla, but is a crimson maroon color so dark that it appears black. The plant grows to a height of about 3 feet and the foliage is very decorative. 60c. each.

**CANNAS**

With the wonderful new colorings and improved size of flowers, Cannas are more popular than ever. The large handsome ornamental foliages and beautiful spikes of light flowers make the Cannas ideal for mass plantings and background, borders or hedges. They bloom freely for six to eight months. It is better to separate them every three years. Set the roots about 15 inches apart and give them full sun, or they will bloom fairly well in partial shade. Give them a mulch of strawy manure and plenty of water and you will have a wonderful show of blooms for many months.

**Gold Bird.** In color a clear lemon yellow. The flowers are often 5 inches across, the petals being broad and rounded. Green foliage, 3 to 4 feet high. 15c. each, $1.50 dozen; $7.00 per 100.

**Hungaria.** A fine clear pink. Flowers large with rounded petals. Dwarf, luxuriant, green foliage, 2 to 3 feet high. 15c. each, $1.50 dozen; $7.00 per 100.

**King Humbert.** One of the most popular Cannas. Immense Orchid flowers of brilliant orange red. Sturdy bronze foliage, 4 to 5 feet high. 15c. each, $1.50 dozen; $7.00 per 100.

**Uncle Sam.** Deep vivid crimson, one of the largest Orchid reds. Green foliage, 5 to 6 feet high. 15c. each, $1.50 dozen; $7.00 per 100.

**Wyoming.** A large Orchid flower of pure rich orange, handsome bronze foliage, 4 feet high. 15c. each, $1.50 dozen; $7.00 per 100.

**FREESIAS**

These bulbs may be planted from July to the end of December. They are easily grown, blossom freely in the spring and will continue growing for years. They grow best in partial shade, they make good cut flowers and all kinds are fragrant. We are offering a few of the best of this wonderful new colored ones. the outcome of years of patient development work. Plant in any good garden soil 2 to 3 inches apart and cover to a depth of about 2 inches.

**Amethyst.** A beautiful Amethyst blue with light center, of strong sturdy growth. 10c. each, $1.00 dozen; $6.50 per 100.

**California.** A large flower of bright golden yellow, long stems, blossoms of the very finest yellow Freesias. 15c. each, $1.00 dozen; $6.50 per 100.

**Carmencita.** Medium size flower of a beautiful light orange salmon hue with buff shaded on the lower petals, long stems. 10c. each, $1.00 dozen; $6.50 per 100.

**Carrie Badau.** Lavender pink, a great improvement over Gen. Pershing, large flower and heavier stems, an enormous grower and producer. 10c. each, $1.00 dozen; $6.50 per 100.

**Olivette.** Bright carmine red with bright yellow throat, lower petals having a deep red blotch with crimson veins. Profuse bloomer. 10c. each, $1.00 dozen; $6.50 per 100.

**Purity Freesias.** White, large size bulbs. 35c. dozen, $2.50 per 100.
GLADIOLI

Gladiolus well deserves this unrivaled popularity. They may be planted from January to June for a succession of bloom. It is well to plant them in groups of 25 or more, separating by leaves to remain. When completely dried this top growth should be cut off and the bulbs stored. These bulbs multiply and the bulblets will bloom the second year. The bulbs should be planted about 4 inches deep in any good garden soil, preferring an open sunny situation.

The many recent improvements and introductions in Gladiolus compel admiration and keep the popularity of these beautiful flowers in the front rank. The bulbs we offer below contain many of the newer varieties and will give a wonderful range of beautiful colors.

**ALICE TIPLADY.** Primulinus. Beautiful orange saffron color. 10c. each, $1.00 doz.; $7.00 per 100.

**ALMA GLUCK.** Beautiful bright red with yellow throat, a most beautiful flower. 15c. each; $1.50 doz.; $10.00 per 100.

**AMERICA.** Soft lavender pink. Very popular. 10c. each, 75c. dozen, $5.50 per 100.

**BARON HULOT.** A true Violet Blue, a smaller flower, but vigorous grower and one of the best in this color. 15c. each, $1.50 per dozen, $10.00 per 100.

**BENGAL TIGER.** In color and stripes just like its name. 15c. each; $1.50 doz.; $10.00 per 100.

**BLACK PANSY.** Beautiful shade of rich dark red with pansy-like markings in the throat. 15c. each; $1.50 doz.; $10.00 per 100.

**BYRON L. SMITH.** Light lavender with cream coloring in throat. Resembles a Cattleya Orchid. 15c. each; $1.50 doz.; $10.00 per 100.

**DIAMOND GLOW.** Crimson with deeper shaded center in the throat. 15c. each; $1.50 doz.; $10.00 per 100.

**DR. F. E. BENNETT.** Peach red overlaid with flame scarlet, throat speckled, ruby and white. A very attractive large red. 35c. each; $3.50 doz.

**DOROTHY WHEELER.** Delicate shrimp pink, very popular. 10c. each; $1.00 doz.; $7.00 per 100.

**EVELYN KIRTLAND.** Coral pink. 10c. each; 75c. dozen; $7.00 per 100.

**EARLY SUNRISE.** Deep salmon, orange throat, very large flowers. 15c. each; $1.25 doz.; $8.50 per 100.

**FRANCIS KING.** Bright red. 10c. each; 75c. dozen; $5.50 per 100.

**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. dozen; $5.50 per 100.

**HARRIS SPECIAL GLADIOLI Mixture** contains many high class varieties and beautiful colors. 50c. doz.; $3.50 per 100.

**HARRIET.** Yellow with a touch of crimson. 15c. each; $1.50 doz.; $10.00 per 100.

**JOHN W. BLACK.** Beautiful bright red with slight rose tinge. Very popular. 10c. each; 75c. dozen; $5.50 per 100.

**JUNO.** A soft pink blended with purple in the throat. 10c. each; 75c. dozen; $5.50 per 100.

**LEON DOUGLAS.** Begonia rose striped with flame and brilliant scarlet, immense blooms. 25c. each; $2.50 doz.

**MRS. F. C. PETERS.** Amaranth red, very popular. 25c. each; $2.50 doz.

**MRS. FRANK PENDLETON.** Rose pink, carmine blotch on lower petals. 10c. each; 75c. dozen; $5.00 per 100.

**MARY PICKFORD.** Flower and spike delicately creamy white, throat soft salmon yellow. A wonderful flower. 10c. each; $1.00 doz.; $7.00 per 100.

**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; 75c. dozen; $5.50 per 100.

**PURPLE GLORY.** Large ruffled flowers of velvety maroon. Very tall and showy. 25c. each; $2.50 doz.

**ROSE ASH.** Corinthian red, shading into ashes of roses on the outer edges. 15c. each; $1.50 doz.; 10.00 per 100.

**SOUVENIR.** Primulinus. Most perfect flowering gladioli of the purest golden yellow color. 15c. each; $1.50 doz.

**SALMON BEAUTY.** Tall graceful primulinus, golden salmon and orange yellow. 10c. each; $1.00 doz.

**VIRGINIA.** Brilliant scarlet. The most popular red variety. A vigorous grower with erect stalks. Exceedingly attractive for cutting or will give a grand mass of color when grown in beds. 10c. each; 75c. dozen; $5.50 per 100.

**HARRIS SPECIAL GLADIOLI Mixture** contains many high class varieties and beautiful colors. 50c. doz.; $3.50 per 100.

**BABY GLADIOLI**

Baby Gladii are different and should be planted in the early fall, the blooming beginning in the spring. Each stock produces many spikes from a single bulb.

**Blushing Bride.** White with carmine pink flaxes. 75c. dozen; $5.50 per 100.

**Brilliant.** Deep scarlet. 75c. dozen; $5.50 per 100.

**The Bride.** Pure white. 75c. dozen; $5.50 per 100.

**Peach Blossom.** Peach pink, very fine for cutting. 75c. dozen; $5.50 per 100.

**GLOXINIAS**

Crimson Royal, Duchess of York, Meteor. Scarlet, white, purple. each 35c.

**HYACINTHS**

Plant in the open ground, in good rich soil, from October to January, covering to the depth of from 4 to 6 inches. For pot culture, plant in five-inch pots, leaving one-third of the bulb exposed. Keep in a cool, dark place five or six weeks till roots are fully developed, then gradually increase to full light.

In glasses, fill the glass with water so as to nearly touch the base of the bulb. A piece of charcoal the size of a walnut, put into the water, will keep it pure and obviate frequent changing.

**NAMED SINGLE HYACINTHS, ALL BULBS FIRST SIZE**

**Gertrude.** Deep pink.

**King of the Blues.** Dark blue.

**Gigantea.** Light pink.

**La Victoire.** Bright red.

**Grand Major.** Medium blue.

**Innocence.** Pure white.

**Cly of Haarlem.** Yellow.

**Lord Balfour.** Purple.

All 25c. each, $2.50 dozen.

**IRIS, SPANISH**

This universally admired Iris blooms during April and May from bulbs planted in the fall. The lovely coloring, graceful stems and splendid keeping qualities of these flowers makes it one of our most desirable cut flowers. Plant them 2 or 3 inches deep and 2 or 3 inches apart in the row.

**Gypsy Queen.** A deep brown, with large yellow blotch. This variety grows quite tall, 15c. each; 15c. each, 75c. doz.; $5.50 per 100.

**King of Blues.** A fine deep purplish blue.

**Ophir d’Or.** Deep golden yellow.

**Queen Wilhelmina.** A very beautiful white, with small yellow blotch.

**Solfaterra.** Dark purplish blue, with a deep yellow blotch. A striking combination.

Spanish Iris Mixed. A very fine mixture of several choice varieties. Price. Any of the above varieties 10c. each, in less than dozen lots, each $1.00 doz., $7.00 per 100.

**NARCISSUS OR DAFFODIL**

**ALL BULBS FIRST SIZE**

The Narcissus is one of the most beautiful, useful and easiest grown of all the bulbous flowering plants. They are very popular as cut flowers, because of their splendid keeping qualities and fragrance. They may be grown in beds, borders or planted in a shrubbery border and allowed to naturalize and while preferring partial shade will thrive in full sun. The bulbs may be planted from October to the last of January in good garden soil, covering to a depth of about five inches. Polyanthus, the Paper White Grandiflora, may be grown in water.

**Emperor.** Enormous brilliant yellow trumpet. 20c. each, $2.00 dozen, $15.00 per 100.

**Barri Conspicuus.** Beautiful Narcissi, having a broad yellow perianth and a broad short cup edged bright orange scarlet. Excellent for cutting purposes. 15c. each; $1.50 doz.

**Glory of Sassenheim.** Yellow trumpet with creamy white perianth. Large bold flower. 20c. each; $2.00 per doz.

**Von Sion (Double Daffodil).** Large golden yellow. 20c. each, $2.00 doz.; $15.00 per 100.

**Paper White.** Largeflowered, producing immense clusters of large pure white, star-shaped flowers. 10c. each, 75c. dozen; $7.00 per 100.

**Poeticus Ornatus.** Pure white, with orange red cup, fine for forcing. 10c. each, $1.00 doz., $7.00 per 100.

**JONQUILS**

Fine for cut flowers, very fragrant and graceful. Easily forced and grow well in open ground. Plant in any good garden soil from beginning of October to January, covering the bulbs to a depth of about 3 inches.

**Campernelle Odoros Regulus.** The largest and finest of all Jonquils, rich yellow with wrinkled cup. 75c. dozen; $5.50 per 100.

**Jonquils.** Sweet single. 75c. dozen; $5.50 per 100.
LILIUM

We cannot say too much in praise of this elegant class of plants, which are becoming more popular every year. It does not seem necessary to attempt an improvement on that which is already perfect as the Lily is. Nature has endowed the Lily with every element of grace and beauty, not only in outline but in color; happy blending of forms most varied and beautiful, fragrance delightful; in short, all the characters essential to real beauty.

CULTURE. In open ground; dig well, add some sand and well-rotted manure (except for Auratum, which will not bear manure) and plant about 7 inches deep.

LILIUM AURATUM. Commonly known as the Japanese Gold Banded Lily, and undoubtedly one of the very finest. It is very graceful, being a delicate ivory white in color and thickly studded with chocolate crimson spots with a gold band and through the center of each petal. Delightfully fragrant. Extra large flowering bulbs, 25c each; $2.50 per dozen.

LILIUM RUBRUM. A delicately perfumed white Lily suffused rose pink in the center and spotted blood red with a green stripe at the base. This is one of the most beautiful garden lilies. 25c each; $2.50 per dozen.

LILIUM TIGRINUM SPLENDENS. 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. 25c each; $2.50 per dozen.

LILIUM CANDIDUM (Madonna Lily). A sweetly scented pure waxy white Lily with yellow anthers. Will thrive in almost any soil but is at its best in sandy loam. Bulbs should be planted four to six inches beneath the surface. The first set of leaves are strap and these wither away before the flower spike starts. Grows three to four feet high. 35c each; $3.50 per dozen.

LILIUM REGALE. This popular Lily may be seen growing in many gardens throughout the West. It is a graceful Lily with canary-yellow fading to white and often suffused with pink. Outside they are white, shaded purple. They are one of the most profuse bloomers. Specimen plants produce 40 to 50 flowers, bearing as many as 29 to 25 flowers. The Regal Lily, as it is often called, is particularly suited to California soil and climatic conditions. 50c each; 3 for $1.00; $3.50 per dozen.

LILIUM Giganteum (Easter Lily). This is the large pure white Lily that is planted mostly for Easter. Choice flowers of these may be produced in the open ground. 25c each; $2.50 per dozen.

LILIUM FORMOSUM. The early dark stemmed Easter Lily. It is a vigorous grower and a very free bloomer, giving excellent results in the open ground. 25c each; $2.50 per dozen.

NEW MONTBRETIAS

Showy, hardy summer flowering bulbs, to be treated the same as Gladiolus or they may be left in the ground permanently. The long graceful flowering spikes are excellent for cutting and when used in mixture with other flowers in vases they are very beautiful.

Bulbs planted during the winter months in Southern California will produce flowers during July, August and September. Plant to a depth of about 2½ inches in any good soil.

Aurantiaca. Tall, graceful spikes bearing beautiful orange yellow flowers. 15c each, 8 for $1.00, 25 for $2.50, 100 for $9.00. Fire King. A fiery scarlet red and particularly showy in the garden. 15c each, 8 for $1.00, 25 for $2.50, 100 for $9.00. King Edmund. Clear golden yellow bearing a great profusion of flowers on each spike. 15c each, 8 for $1.00, 25 for $2.50, $9.00 for 100.

OXALIS

Handsome and graceful flowers varied in color, produced in great profusion during winter and spring—suitable for hanging baskets, pots, window boxes, and borders. Plant them 2 inches deep in good friable soil from July to early fall.

Grand Duchess Mixed. 35c. dozen, $2.50 per 100.
Grand Duchess Lavender. 35c. dozen, $2.50 per 100.
Grand Duchess Yellow. 35c. dozen, $2.50 per 100.

ORNITHOGALUM (Star of Bethlehem)

Arabicum. Beautiful variety throwing a tall spike of numerous star-like flowers, with a jet-black center and having a distinct aromatic perfume, decidedly pretty when grown in the garden. Large size, each, 10c.; dozen, $1.00.

RANDUNCULUS

The Ranunculus produces strikingly beautiful flowers of every imaginable shade from bright vermilion to pink, yellow and pure white, with spotted flowers and double blooming. Before planting the roots soak them in water for two or three hours; this causes them to swell to full size. Plant them in a good, rich soil, claws downward, 6 to 8 inches apart each way and cover the roots with 2 inches of finely sifted soil.

French double and semi-double mixed. 60c. dozen, $4.00 per 100.

SNAWFLAKES

Leucojum Vernum. Very similar to the English Snowdrop, but with much longer stems. Very early and fine for cutting. 10c. each, 80c. dozen, $6.00 per 100.

SPARAXIS

CULTURE. Same treatment as the Ixias. Sparaxis. Finest mixed. 10c. each, 75c. dozen, $5.50 per 100.

TRITONIA

Beautiful low growing bulbous plants from the Cape of Good Hope. Flowers a bright orange scarlet. Easily grown in any good garden soil. Plant them 3 or 4 inches apart and 2 inches deep. 10c. each, 75c. dozen, $5.50 per 100.

TUBEROSE

Dwarf Double Pearl. Blooms in midsummer, about 2 feet high, flowers pure white, wax-like, very fragrant. Bulbs ready in February. 15c. each, $1.50 dozen.

TULIPS

For a gorgeous display of early spring flowers the Tulip probably heads the list of bulbs for fall planting. The rich bright colors are admired by all, and in addition to the lovely garden show they make, they are excellent for cutting and come at a time in the spring when they can be fully appreciated. The Darwin Tulips are the longest stemmed Tulips and come in many beautiful colors.

In Southern California, Tulips should be planted to a depth of 4 or 5 inches in heavy soil, and 5 or 6 inches in light soil. The object in planting to a greater depth in a mild climate is to retard the top growth, thus giving the bulb time to make root growth. Do not use barnyard manure in your Tulip and Hyacinth beds, unless you apply it several months before planting time, at which time it should be thoroughly spaded in. Bone Meal is a very good fertilizer for Tulips and Hyacinths and many other bulbs. It should be mixed in the soil at the time of planting and placed below the bulbs, not in contact with them. The addition of Gypsum to heavy sandy soil will prove very beneficial to the bulbs and will make the soil more porous and easily worked. In very heavy soil Gypsum may be used at the rate of 100 lbs. to 100 square feet. For a fine display plant Tulips in beds and about January 1st broadcast Nemophila Seed on the surface of the bed and cover it with a light mulch of barnyard manure.

DARWIN TULIPS

Baron La Tonnaye. Bright rose shaded bluish, a beautiful and faultless flower. 10c. each, $1.00 dozen, $6.50 per 100.
Clara Butt. Beautiful soft salmon rose, one of the best for bedding. 10c. each, $1.00 dozen, $6.50 per 100.
Farncombe Sanders. Beautiful scarlet with a clear white base, large flowers. 10c. each, $1.00 dozen, $6.50 per 100.
Inglescombe Yellow. A glossy canary yellow, large, beautiful cup-shaped flowers. 10c. each, $1.00 dozen, $6.50 per 100.
King Harold. A velvety crimson maroon and a very large flower. 10c. each, $1.00 dozen, $6.50 per 100.
La Tulipe Noire. A very fine black Tulip. The flower is large and is more attractive because of the velvety sheen. 3 for 35c.; $1.25 dozen, $8.50 per 100.
Pride of Haarlem. Old rose color and one of the best for borders and bedding. 10c. each, $1.00 dozen, $6.50 per 100.
White Queen. Pure white at the base and gradually passing out to pink near the tip of the petals. A very beautiful flower. 10c. each, $1.00 dozen, $6.50 per 100.

WATSONIA

A beautiful flower from South Africa. Plants grow from 3 to 5 feet high, and producing great spikes of large flowers, which are especially valuable for cutting, lasting a long time in water.

Pure White. 10c. each, $1.00 dozen.
Pink. 10c. each, $1.00 dozen.
**GARDEN SPRAYING GUIDE**

For Price on Different Materials Mentioned, See Pages 41 and 42.

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**ROSES**

**ROSE APHIS.** In spring and summer spray with solution twenty drops of Black Leaf "40" to one quart of Whale Oil Soap and water or use Evergreen in the same proportions.

**MILDW.** Spray with Qua-Sul one teaspoonful to one quart of water.

Leading Rosarians are now using Fungtrogen for mildew, one part to sixty parts of water.

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**SWEET PEAS**

**APHIS AND MILDW.** Same treatments as given for Roses.

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**SNAILS**

Use according to directions on package, or make up the following mixture: London Purple or Calcium Arsenate, 1 lb. Bran (coarse red preferred), 16 lbs. Mix the London Purple or Calcium Arsenate and Bran together thoroughly, when dry, then moisten with sufficient water to make a stiff mash that does not ball. Do not make too wet. Scatter this material as evenly as possible over the area to be poisoned, as a farmer sows grain. Cover every square foot, walks, lawns, plants, etc., and nooks and corners—except where there is danger of burning. Very tender foliage is liable to burning if adjoining premises are infested with snails they will invade grounds poisoned, after about two weeks. Get your neighbors to co-operate by showing them your dead snails.

Scatter the poison late in the evening, after thoroughly wetting down the entire premises with the hose or after a rain. Then sprinkle them to be poisoned, as a farmer sows grain. Cover every square foot, walks, lawns, plants, etc., and nooks and corners—except where there is danger of burning. Very tender foliage is liable to burning or spotting, so in the case of choice or rare plants it is safer to put them to a crumbly mass and scatter in the field. If a growing crop is being spoiled by wireworms, use that planting as a bait crop. For small garden space, dig a trench across the plot; sprinkle CYANOGAS at the rate of 1 lb. to each 100 feet of row. GAS into a small part of the trench at a time, and cover immediately with earth dug to form the next trench. For small garden space, dig a trench across the plot; apply the CYANOGAS by means of a garden seeder or a corn planter directly into the bait rows, below the level of the bait. Or make a shallow trench, deeper than the bait level, close to and under each side of the bait. Apply the cyanogen as CYANOGAS is sprinkled in.

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**VEGETABLES**

**ASPARAGUS RUST.** Spray with Lime Sulphur Solution, 1 part to 40 parts of water, or Bordeaux Mixture, 1 heaping teaspoonful to 1 quart of water.

**GREEN WORM** on Cabbage, Cauliflower, etc. Spray with Arsenate of Lead, 1/2 tablespoonful to 1 quart of water before plants start to form heads. Spray with Evergreen, a non-poisonous solution, at any time.

**APHIS OR PLANT LICE** on Cabbage, Cauliflower, Kale, Brussels Sprouts, etc. Spray with Black Leaf "40," 20 drops to 1 quart of Whale Oil Soap and water.

**MILDW. ON PEAS.** Dust with dry sulphur or spray with Bordeaux Mixture, 1 tablespoonful to 1 quart of water.

**MELON BLIGHT.** Spray the hill freely with Bordeaux Mixture so that the solution will follow the stem several inches below the surface. This should be done as a precaution as well as a remedy. Bordeaux Mixture, 1 tablespoonful to 1 quart of water.

**CUT WORMS.** Mix 1 lb. Paris Green in 10 lbs. of bran. Add 1 quart black strap molasses and 2 lemons chopped fine. Mix the whole to a crumbly mass and scatter in the field.

**GRASSHOPPERS.** Same as for Cut Worms.

**TOMATO WORMS.** Pick off by hand or before fruit is half grown. Spray with Arsenate of Lead solution 3 to 4 level tablespoonsfuls to 1 gallon of water.

**TOMATO BLIGHT.** Same treatment as above for Melon Blight.

**NEMATODE.** Plant the infected land to barley or grass for three seasons. Apply sulphur, 1 pound to 100 square feet.

**CUCUMBER BEETLE.** Spray with Arsenate of Lead, 1/2 tablespoonful to 1 quart of water, or dust with 1 part Arsenate of Lead to 30 parts of Gypsum.

**ONION THIRPS.** Spray with Black Leaf "40" 20 drops to 1 quart of water.

**MELON APHIS.** Same treatment as for Onion Thrips, above.

**POTATO BUG.** Spray with Arsenate of Lead, 1/2 tablespoonfuls to 1 quart of water.

**POTATO SCAB.** Dip potatoes, before cutting, in solution of Formaldehyde, 1 pint to 30 gallons water. Soak for two hours.

**WIRE WORMS.** Before the garden is planted, drill in a bait crop of beans, corn or peas, 3 inches deep, in rows not more than 36 inches apart. Let the bait crop remain for a week.

Apply the CYANOGAS by means of a garden seeder or a corn planter directly into the bait rows, below the level of the bait. Or make a shallow trench, deeper than the bait level, close to and under each side of the bait. Cover the trenches as CYANOGAS is sprinkled in.

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**CITRUS TREES**

**SCALES.** For Black, Red, Yellow, Citrocola Scale and Mealy Bug, spray with Volck 1 teaspoonful to 1 quart of water.

**RED SPIDER.** Apply Volck as above, but do not under any circumstances use Volck either before or after using sulphur or any sulphur solution.

**APHIS.** Spray with Black Leaf "40," 1 teaspoonful to 1 gallon of water or dust with Nico Dust.

**GUM DISEASE.** Scrape gum off trunk of tree and smear on a paste of Bordeaux Mixture.

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**DECIDUOUS TREES**

**CURLY LEAF.** Spray with Lime Sulphur Solution about December 15th, while trees are still dormant, 1 part Lime Sulphur to 11 parts of water. After leaves come out dilute 1 part Lime Sulphur to 40 parts water.

**CODLING MOTH.** Trees should be sprayed when the first blossoms start to fall with Arsenate of Lead, 2 level tablespoonsfuls to 1 gallon of water.

**WOOLY APHIS,** also Black Peach Aphids. Spray with solution, 1 teaspoonful Black Leaf "40" and 5 lb. Whale Soap to 1 gallon of water. Soak the same solution into the roots.

**CLIMBING INSECTS.** To prevent ants and other insects from entering trees, apply Tree Tanglefoot near base of trunk.

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**MISCELLANEOUS**

**ANTS.** Use Antrol, a poisoned syrup made from U. S. Government formula, and used in patent glass containers. Best remedy on the market. Ask for explanatory leaflet.

**GOPHERS.** Use Gopher Scent Traps.

**SQUIRRELS.** Use Poisoned Barley, or Cyanogas, inserting a large spoonful in each hole.

**CHICKEN LICE.** Sprat's Louse Powder.

**FLIES.** Use Flytox.
**ACME LONDON PURPLE**

Costs Less. Results Best. London Purple has for years been the South’s favorite control for the cotton worm, and, possessing better sticking power than most other insecticides, makes it a favored spray for potatoes and tobacco.

**AN IDEAL INSECTICIDE TO DUST**

On potatoes, use 1¾ to 2½ level tablespoonsfuls to 1 gallon of water.

On cotton, dust with 1 part London Purple and 5 parts lime. On tobacco for horn worm and flea beetle, use as a dust.

Prices: ½ lb. carton, 35c.; 1 lb. carton, 45c.; 4 lb. bag, $1.25.

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**ACME PARIS GREEN**

The deep, rich emerald color stamps Acme Paris Green as a standard of quality. Always uniform, fluffy and free running, it assures the user of maximum results. When used dry will not clog the dusting machinery.

For potato bugs, use from ½ to ¾ of a level teaspoonful to 1 gallon of water. Apply as a dust on cotton, using 1 part Paris Green, 1 part flour, 5 parts lime. On tobacco, use as a dust alone or mixed with Arsenate of Lead.

Prices: ½ lb. carton, 20c.; 1 lb. carton, 45c.; 5 lb. carton, $2.00.

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**ACME BORDEAUX MIXTURE**

Prevents large losses caused by blight, rot, mildew, scab, anthracnose, and certain other fungous diseases, will stimulate plant growth and greatly increase the harvest. On apples, grapes, currants, gooseberries, strawberries, pecans, potatoes and tomatoes, use 8 level tablespoonsfuls to 1 gallon of water.

For spraying sour cherries, pears, plums, celery, beans, oranges, grape fruit and lemons, use 5 level tablespoonsfuls to 1 gallon of water.

Prices: 1 lb. carton, 40c.; 4 lb. paper bag, $1.25.

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**SEMESAN**

A mercuric disinfectant for use on seeds in general and particularly effective for diseases of vegetable and flower seeds. Also to combat brown patch in golf courses, and for grass seeds generally.

Semesan is one of the most remarkable chemicals developed by modern science. It will kill or control many of the diseases borne on the surfaces and some interiors of even the finest of selected seeds and yet at the same time in no way injure the delicate germ life of the seeds treated. In fact, Semesan stimulates seeds to a growth, vigor and fertility that far exceeds the capabilities of their progenitors.

**ACME ARSENATE OF LEAD**

It kills the bugs, sticks to the leaves and does not burn or injure the foliage.

While these qualities make it the favorite spray for fruit trees, it also gives splendid results on vegetables and tobacco.

Arsenate of Lead is recommended to control leaf eating insects on apple trees, currants, gooseberries, grapes, peaches, plums, strawberries, pecans, aspiragus, beans, cabbage, cauliflower, tomatoes, tobacco, potatoes, tomatoes, tobacco, tomatoes, tobacco, tomatoes.

When dusting fruit, add 5 parts hydrated lime. Vegetables 8 parts lime.

**SEMESAN, JR.**

A special preparation of Semesan used exclusively for the treatment of Seed Corn, both field corn and sweet corn. Increases germination and controls disease resulting in a larger crop of higher quality.

1 pound, $1.75 5 pounds, $8.00

**SEMESAN BEL**

The premier disinfectant for Potatoes. Bulbs of all kinds, such as gladolus, roots and tubers. It controls diseases such as Scab, stimulates sprouting, produces healthier plants and larger crops and resists rotting or damping off during cold wet weather.

1 pound, $1.75; 5 pounds, $8.00; 25 pounds, $31.25.

**EVER GREEN**

Kills most plant pests, including even cutworms. Use it freely on tender plants and flowers—it can't burn or otherwise injure them. Neither will it injure the soil.

**EASY TO USE—Just mix it with water and stir.**

No need for constant agitating—EVER GREEN stays in solution and won’t clog sprayers.

1-oz. bottles $0.35 16-oz. bottles $2.00

6-oz. bottles 1.00 32-oz. bottles 3.50

1-gal. bottles $13.00

**EVER GREEN**

Kills only insects—it is harmless to man, live stock, birds and plants.

**NON-POISONOUS**

**EVERGREEN STAYS IN SOLUTION AND WON'T CLOG SPRAYERS.**

**EVER GREEN** kills only insects—it is harmless to man, live stock, birds and plants.

EASY TO USE—Just mix it with water and stir. No need for constant agitating—EVER GREEN stays in solution and won’t clog sprayers.

1-oz. bottles $0.35 16-oz. bottles $2.00

6-oz. bottles 1.00 32-oz. bottles 3.50

1-gal. bottles $13.00

**EVER GREEN KILLS ONLY INSECTS—it is harmless to man, live stock, birds and plants.**

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6-oz. bottles 1.00 32-oz. bottles 3.50

1-gal. bottles $13.00

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**FUNGROGEN**

This highly concentrated fungicide conquers Mildew on roses and other plants practically overnight and controls Black-Spot. A new and improved form of the famous Rosenbluth formulae, combined with a nitrogen-rich element that fertilizes thorough the foliage. It also stimulates bud-bolts and geraniums; prevents rot and eliminates rust on carnations and the diseases of Delphiniums.

½ pint, 75c. pint, $1.25; quarts, $2.00; ½ gallon, $3.50; gallon, $6.00.
BLUESTONE. We carry only a high grade Eastern Bluestone. This is a concentrated solution of Nicotine Sulphate with 40% Active Ingredient. A most popular article for the destruction of Black Aphis, Mealy Aphis, Woolly Aphis, Apple Red Bug, Green Apple Borer, Leaf Hopper and Leaf Miner. Price: 1 lb., 20c.; 5 lbs., $1.00; 25 lbs., $5.50; 55 lbs., $12.50. This article is a poison and is not mailable.

BLUESTONE. We carry only a high grade Eastern Bluestone. This article is used in making Bordeaux Mixture as a spray for plant diseases, in the chicken coop, and for the use of a spray for barley and wheat smut, by soaking the seed in a solution of 1 pound to 5 gallons of water for ten minutes. Per lb., 3c.; 25 lbs., $6.00; 100 lbs., $25.00; 500 lbs., $125.00. Write for prices in larger quantities. Can be sent parcels post.

LIME AND SULPHUR SOLUTION. One of the largest selling and most popular sprays, especially recommended for Leaf Curl, Peach Blight, San Jose Scale and Red Spider. For dormant stock dilute 1 to 10 parts water. All other spraying dilute 1 to 40 parts water. Price: 1 quart, 40c. each, 1 gallon, $1.00 each; 5 gallon, $5.00 each, on 50 gallon barrels. All prices F. O. B. our store. Not mailable.

CARBON BI-SULPHIDE (Liquid). For exterminating gophers, worms, Sow Bugs, Snails, Grasshoppers and many other garden and lawn pests. If positively will not harm plants. Water will not harm END-O-PEST. 2 lb. pkg., $2.50; 5 lb. pkg., $7.50; 50 lb. bag, $52.50; 100 lb. bag, $100.00.

HERCULES SPREADER. Casein Spreaders are being used more and more to spread sprays. They are particularly valuable with Lead Arsenate. When using Spreader, Lead Arsenate should be increased from 25 to 50 per cent. The Spreaders have a tendency to put the Arsenates on so thinly that the worms can go through it. Price: 1 lb. pkg., 45c.; 5 lb. pkg., $2.25; 50 lb. bag, $25.00. Write for price in larger quantities.

QUA-SUL. A Soluble Sulphur Compound. For the control of blight, mildew, and many other fungus diseases. Qua-Sul is giving very satisfactory results. Used extensively by nursemen and florists to prevent damping off and other fungus troubles. Used in the garden, in addition to this, it brightens the flowers and will not injure the most delicate blossoms. Sicily trees and shrubs thoroughly sprayed with Qua-Sul and the soil about the root system treated with it, usually drives them to the soil surface. For soil treatment and spraying, mix 1 tablespoon Qus-Sul to 1 gallon of water or 1 quart to 50 gallons of water. 4 oz. Trial Bottle, 35c.; quart, $1.25; gallon, $4.75; 5 gallon can, $20.00.

VOLCK Concentrate. Controlling plant pests successfully demands a spray that will not only effectively control pests such as Red Spider, Mealy Bug, Scab, White Fly and Aphids, but at the same time be safe to use on tender plants. Safety is particularly necessary on tender greenhouse and pot plants. Volck answers these requirements and fewer applications will get results. Volck is a pleasant spray to handle and mixes easily with water. Volck can be mixed with other sprays such as Bordeaux Mixture, Arsenate of Lead, and Nicotine Sulphate; but should never be mixed with sulphur or any sulphur compound, either in the spray tank or on the plants. 1/2 pint, 35c.; 1 pint, 50c.; 2 pint, 80c.; 4 pint, 1 dollar; 8 pint, 2 dollars; 1 gallon, $3.75. Also banded in 28 gallon drums. Price on application.

SNAROL. One of the most troublesome pests in the California garden is snails. The new and effective way of absolute control is to broadcast Snarol under the shrubs and garden plants late in the evening and then sprinkle lightly to moisten the Snarol and make an easy traveling surface for the snails. With one good application you will catch the main hatch of empty shells in the garden as evidence of the effectiveness of Snarol. One-half ounce of Snarol per 50 square feet is usually necessary for you to repeat the dose when a new infestation arrives from your neighbor’s premises. In addition to controlling snails, it is also very effective for the control of slugs. These garden pests work at night and the only warning that they are present in your garden will be the disappearance of young and tender plants. 1 lb. Snarol and tell your neighbor about it. 1-lb. package, 35c.; 3-lb. package, 75c.; 15-lb. bag, $3.25. Sent by express only.

FOR THE CONTROL OF ARGENTINE ANTS

The Argentine Ant is not only a nuisance in the house, but it is a very serious pest for it procreate and carries aphids, mealy bug, scale and other insect pests to your garden in the garden. To control the Argentine Ant it is necessary to kill the Queen Ant and this is done by using a bait that the workers will carry to the nest. Strong poisons are only repellant, but never reach the queen. Antrol is a weak solution of Arsenic poison that enables the workers to make approximately ten trips from the bait jar to the nest before the worker himself is killed. Antrol, unlike many other preparations, attracts the ants to the bait as a food and corrects their error. Installation of the Antrol System places an Antrol jar outside your doorstep and at various points where the ants normally enter a dwelling. As Antrol itself is more attractive to the ant than almost any other food it speedily draws the workers, who begin carrying the syrup from jar to jar like a colony.

Cottage Sets (9 receptacles and 6 oz. bottle of syrup) $1.25; Pint Bottles, 75c.; Quart Bottles, $1.25; Gallon cans, $3.00. Extra receptacles 15c each.
FERTILIZERS
Write for Quantity Prices on All Fertilizers. Prices on Fertilizers are F. O. B. Store

NULIFE LAWN AND GARDEN FERTILIZER. See page 5.
GROZ-IT BRAND PULVERIZED SHEEP MANURE. See page 5.
PEAT HUMUS. See page 5.

INOCULATOR

Now you don’t have to use out-of-date, messy methods to treat your legume seeds. The new McQUEEN Dust-Kote Inoculator is just dusted on the seed. Takes a moment to do it right in your seeder, you need no water at all. Sticks to seed and is a CLEAN, handy inoculation.

ABSOLUTELY GUARANTEED
to give satisfactory results or your money back. This is for your protection. You are the judge of results.

Inoculate your Alfalfa, Sweet Clover, Soy Beans, Vetch, Peas, Beans and Clovers of all kinds with McQueen’s guaranteed Inoculator that hastens maturity, increases the crop, improves its quality, enriches the soil and saves fertilizer bills.

Simple directions for mixing Inoculator with your seed are printed on each package of McQueen’s. Only a few minutes of your time is required to inoculate your legume seed.

FOR CLOVER OR ALFALFA
1/2 bu. size inoculates 30 lbs. seed. $ .50
1 bu. size inoculates 60 lbs. seed. 1.00
2 1/2 bu. size inoculates 150 lbs. seed. 1.75

FOR SOY BEANS, COW PEAS, VETCH,
PEAS OR BEANS—All Large Seed
1 bu. size inoculates 60 lbs. seed. $ .50
2 bu. size inoculates 120 lbs. seed. 1.00
5 bu. size inoculates 300 lbs. seed. 1.75

GARDEN PACKET
SWEET PEAS, Peas, Beans, Lima Beans. $ .15
Always state kind of seed you wish to inoculate.

PLANTABBS
ODORLESS PLANT FOOD TABLETS
The guaranteed high analysis of nitrogen 11%, phosphoric acid 15%, potash 20%, of all which are water soluble, assures Plantabbs of being a complete, properly balanced fertilizer. Ideal for house plants where smelly fertilizer cannot be used. Makes REPOTTING UNNECESSARY as Plantabbs replenishes the food consumed by the growing plant. You just “Plant the Plantabbs” in the soil like seed and water as usual, or a liquid fertilizer quickly made by dissolving in water. Either way is very effective. Just as good for outdoor garden flowers (especially Roses) being economical and provides immediate fertilization. We do not know a single dissatisfied user. 30 Tablets 25c; 75 Tablets 50c; 200 Tablets $1.00; 1,000 Tablets $3.50.

NITRATE OF SODA. This article is used to stimulate and force the growth of slow growing plants and should be used with caution. It is usually applied by dissolving a handful in a pail of water and then work it in the soil around the plant. Price per lb., 20c. Postpaid.

Write us for quantity price.

BONE MEAL. A slow releasing fertilizer used when quick results are not necessary. Write us for price.

Proper Nourishment
The Secret of Gardening Success

AMAZING results can be obtained by use of a complete, scientifically balanced plantfood, specially prepared.

Such a food is Vigoro. It gives plants all the elements they require, each in the proper proportion.

Clean, odorless, pleasant to handle and can be sown by hand like grass seed. Feed your lawns, flowers, vegetables, shrubs, and trees with Vigoro to give them the nourishment they absolutely require for healthy, vigorous growth.

Full directions in each bag.

VIGORO
Specially prepared plant food

5 lb. pkg., 60c; 25 lb. bag, $2.00;
50 lb. bag, $3.75; 100 lb. bag, $6.00.

FLORANID
The nitrogen fertilizer that is 92 times stronger than manure. Excellent for all garden and farm crops. 1 1/2-oz. tins, 15c. 1 lb., 75c. Mailable. Write for a circular.

GYPSUM
Gypsum brings about a mechanical change in the soil by making it more pervious 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 and baking.

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 the 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 for a better circulation of air and water. Gypsum, however, will not correct acidity—that is it will not make sour soil sweet. Lime must be used for that purpose. Gypsum, 100 lbs., $1.00.

BUDDING CLOTH
A cloth treated with resin and beeswax, useful for all budding and grafting purposes. Put up in 1/2 square yard and 1 square yard. The prices are respectively 40 cents and 75 cents.

GRAFTING WAX
A Lion Brand preparation for healing wounds on trees, caused by pruning. Very excellent also for spreading around the graft in grafting propagation. Three sizes: Pound, 60 cents, 1/4 pound, 35 cents, and 1/4 pound 20 cents.
Sprayers for Garden, Orchard and Farm

**Hudson Perfection Sprayer**

The Perfection Sprayer combines all the essential features of a successful high pressure sprayer. It is a practical sprayer for use around the house, yard or garden; in orchards, vineyards, and truck farms; in onion, melon, potato and cotton fields; around the barn, hog pen, poultry house, etc. Handles whitewash and cold water paints in a most satisfactory manner.

Tank is made of either brass or copper-bearing galvanized steel sheets, with all seams riveted and soldered. Capacity 4 gallons. Guaranteed to give entire satisfaction. Shipping weight, 12 pounds.

- No. HOG Perfection, Galvanized Tank. Price, each, complete with Extension Rod, $7.50.
- No. HOB Perfection, Brass Tank. Price, each, complete with Extension Rod, $10.00.

**Hudson Cadet Duster**

The Hudson Cadet Duster is adapted for use with all insect powders. Because of its size and efficiency it is a favorite with the housewife in applying roach, ant, and various bug powders. It is frequently used around restaurants, soda fountains, offices, stores, etc.

Specifications—Length over all 15% inches. Stroke, 8 inches. Length of powder receptacle 4½ inches. Diameter of barrel 1¼ inches.

- No. 663 Cadet Duster, 60c. each.

**Hudson Midget Sprayer**

The Hudson Midget is a small, compact, well made sprayer, especially adapted for use in and about the house. Will handle all liquids satisfactorily. The nose of the pump passes through the top of the tank, keeping the air nozzle and spray tube always in line. This construction adds a great deal to the strength and durability of the sprayer. Carefully tested before shipping and will give entire satisfaction.

Pump is made of heavy tin. Tank is made of heavy tin, capacity about ¾ pint.


**Hudson Junior Sprayer**

The Junior Sprayer is made for the man who needs a high pressure compressed air sprayer smaller than the Perfection. It is particularly adapted for the backyard garden, small truck farm, or around the chicken house. Can be used for the same work as the larger models, but will require more frequent filling. Very desirable for women or workmen who prefer to carry a lighter load.

Tank is made of either brass or copper-bearing galvanized steel sheets, capacity approximately 2½ gallons. Shipping weight, 9 pounds.

- No. 140G Junior, Galvanized Tank. Price, each, complete with Extension Rod, $6.00.
- No. 140B Junior, Brass Tank. Price, each, complete with Extension Rod, $7.50.

**Hudson Extension Rod**

No. 172

No. 177

An extension rod adds very greatly to the usefulness of any compressed air sprayer or bucket pump. Permits spraying low-lying plants or shrubs and when used with our No. 146 Aphis Fitting, under surfaces can be thoroughly treated as well. Furnished in brass or iron with ¼ inch pipe threads.

- No. 172 B Brass Extension Rod, 70c. each.
- No. 177B Brass Aphis Rod, $1.75 each.

**Hudson Misty Sprayer**

The Hudson Misty is a universal favorite for use in and around the house, yard, garden, chicken house, etc. Pump is made of heavy tin. Tank is heavy tin. The point of the pump passes through the tank and is securely soldered. Syphon tube is set at proper angle by a jig and carefully soldered. Construction combines strength, simplicity, neatness and uniform efficiency in operation. Heavy plunger rod and good leather. Capacity, 1 quart.

- No. 452. Misty Sprayer. Heavy Tin. 50c.
HUDSON BARREL SPRAY PUMP

Fitting for Head of Barrel

Valve Assembly

The Hudson Barrel Pump will meet all requirements. It is powerful, light and durable and will maintain a working pressure of 200 pounds. Has ample capacity for two lines of hose if desired. Because of its high pressure, it is particularly adapted for use in small orchards, vineyards, truck gardens, on shade trees, shrubbery, etc., in poultry houses, cattle barns, stockyards, etc. Handles whitewash, cold-water paints, disinfectants, insecticides, etc., in a very satisfactory manner.

Handle is pressed steel, unbreakable. Cylinder is seamless brass. Valves are bronze balls, mounted in brass cage. Agitator is all metal, dasher type. Furnished with attachment for mounting on chime of barrel with fittings for mounting on head or side of barrel supplied at small additional cost.

Standard package, one in a wood box.
No. 4-A. Pump, with 6 foot, 3/4 inch, 5 ply spray hose and 4 foot Extension Rod. Total, 10 feet, and angle Ideal Nozzle. Shipping weight, 33 pounds. $15.00.
Fitting for mounting on head of barrel extra.

HUDSON IDEAL SPRAYER

Trademark registered

This Hudson Ideal Sprayer is a one man outfit. It is equipped with a reserve air pressure tank and gauge, which enables the operator to maintain a high, even pressure with less effort. Or he can stop pumping and spray several minutes before the pressure is reduced to a point where further pumping is necessary.

Pump is our regular No. 4 Barrel Pump, fastened in top of tank by pressed steel support. Tank is heavy copper bearing galvanized sheet, reinforced at top and bottom with channel iron hoops. Capacity, 15 gallons. Air pressure tank is boiler iron with welded joints. Tested under working pressure of 275 pounds. Frame is heavy steel tubing, reinforced by channel iron cross braces. Wheel is 18 inches diameter, with 2 1/2 inch tire. Discharge equipment consists of 6 feet of 3/4 inch spray hose and 4 foot 1/2 inch Extension Rod. Total, 10 feet. Leakless shut off valve and Ideal Spray Nozzle.

Standard package, one in a crate. Shipping weight, 105 pounds.
No. 32. Ideal Sprayer. Galvanized Supply Tank, without Pressure Tank. $27.50.

HUDSON MODOC SPRAY PUMP

Trademark Registered

The Hudson Modoc is used in spraying fruit trees and vines, garden truck, ornamental shrubs and hedges; for whitewash, disinfectants, insecticide; for washing automobiles, wagons, windows or in an emergency as a fire pump.

It is double-acting, developing 150 pounds nozzle pressure. Makes a very convenient portable outfit because it can be used with a bucket or small tank. Valves and plunger are accessible for cleaning, etc. Fitted with 3 feet of 3/4 inch, 5 ply spray hose, a 12 inch iron extension rod and nozzle with four interchangeable nozzle discs which produce any desired spray from the very finest fog to a solid stream. All parts except the handle and foot rest are brass.

Standard package, one in a heavy fibre carton. Shipping weight, 6 pounds.
No. 122. Modoc Spray Pump. $5.00.

HUDSON SUNSHINE SPRAYER

The Hudson Sunshine Sprayer fits the needs of the florist or nursery man, because its width permits its use between the narrow rows. It is also adapted for orchards, vineyards and truck gardens; for whitewashing poultry houses and dairy barns; spraying stock dips, treating ornamental shrubbery, flowers, etc. Its high pressure and easy portability adapt it for work of all kinds. Its two wheeled construction enables it to be used on hillsides or on uneven ground without danger of tipping.

Pump is fitted with dasher type agitator driven by each stroke of the plunger. Valves are bronze balls mounted in a brass cage, accessible without dismantling the pump. Cylinder is seamless brass. Air chamber has ample capacity for high pressure and steady discharge. Tank is heavy gauge copper bearing galvanized steel; capacity 12 1/2 gallons. Discharge equipment consists of 5 feet of 3/4 inch, 5 ply spray hose, 2 foot iron pipe extension and angle spray nozzle.

Standard package, one in a crate. Shipping weight, 43 pounds.
No. 36. Sunshine Sprayer. $16.50.
AMERICAN BEAUTY DUST SPRAYER

This reliable machine has no equal in the application of dry insecticides and fungicides.

It has a powerful bellows, throwing a cloud 25 feet high, a grinding and sifting device, which grinds and sifts all dusts; an adjustable regulator, accurately governing the quantity of dust discharged, preventing waste of valuable material; applies any kind of dry insecticide, arsenate of lead, Paris green, dry Bordeaux, sulphur, sulphur-nicotine, hydrated lime.

It is very fast. One man will average 15 acres per day in orchard work.

It kills red spider, aphis, codling moth, caterpillar, tomato worm, corn ear-worm, mildew, etc.

ASK FOR DEMONSTRATION

AMERICAN BEAUTY DUSTER. Price $18.00.
BLUE BEAUTY DUSTER. Price $15.00.
CALIFORNIA BEAUTY DUSTER. Price $12.00.

LAWN MOWERS

We carry a very good line of Lawn Mowers, including a number of different sizes and prices.

THE EVER READY LAWN EDGER

A very good combination cultivator and plow for the home garden.

Price $6.75.

GARDEN PLOW AND CULTIVATOR

To meet the demand from some sections for a Plow and Cultivator with a higher wheel than those we usually carry, and incidentally at a lower price, we offer the Superior Plow and Cultivator which is equipped with a 24-inch wheel. This plow is so constructed that the draft can be changed to suit different soils. It is fully equipped with shovel, calf tongue, wrench, mouldboard, weeder and cultivator.

Price $5.00.

“LION BRAND” PRUNING SHEARS

A REVOLUTION IN PRUNING SHEARS.

Operates with a slicing-cutting motion.
DOES NOT SLIP OR WEDGE.
Easier to operate than any other pruning shear.
A shear which cuts smoothly and without effort.
No jamming or pinching. Positively efficient.
Blade is made of best steel, easy to sharpen and exchange.
Base of aluminum. Also exchangeable.
Handle snugly fits the hand and is easily opened by a spring.
HIGHLY PRAISED BY LEADING NURSERIES.

Heavily Nickel Plated. Price $2.50.

GARDEN PLOW AND CULTIVATOR

To meet the demand from some sections for a Plow and Cultivator with a higher wheel than those we usually carry, and incidentally at a lower price, we offer the Superior Plow and Cultivator which is equipped with a 24-inch wheel. This plow is so constructed that the draft can be changed to suit different soils. It is fully equipped with shovel, calf tongue, wrench, mouldboard, weeder and cultivator.

Price $5.00.

THE CAHOON BROADCAST SOWER

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 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.
No. 4 Planet Jr. Hill and Drill Seeder and Single Wheel Hoe

The most popular combinedSeeder and Wheel Hoe in use today. Sows all vegetable seeds in the drill in hills 4, 6, 8, 12 or 24 inches apart. Places the right number of seed at the proper depth. Sows in straight rows giving a uniform stand and making cultivation easier. With the assortment of cultivating attachments it is possible to do plowing, opening and closing of furrows for seeds, fertilizer, etc.; hill ing up plants, and general cultivation. Capacity 2½ quarts. The equipment consists of 1 plow, pair of 6 inch hoes, 3 cultivator teeth, leaf lifter. Price $20.25.

No. 3 Planet Jr. Hill and Drill Seeder. THE MARKET GARDNER'S FAVORITE

Sows all vegetable seeds in drills or drops in hills, 4, 6, 8, 12 or 24 inches apart. Sows these seeds at the proper thickness and depth, and economically. Produces a uniform stand and makes cultivation easier. Capacity 3 quarts of seed. Price $19.50.

No. 5 Planet Jr. Hill and Drill Seeder

Same as the No. 3 except it has a capacity of 5 quarts of seed and the wheel is somewhat larger. Price $22.25.

No. 25 Planet Jr. Hill and Drill Seeder Single and Double Wheel Hoe

Here is a wonderful combination of the Hill and Drill Seeder, Double and single Wheel Hoe which a great many users call the "Complete Gardener." It sows all vegetable seeds as described under the No. 4. Used as a Double Wheel Hoe, it straddles the row, cultivating both sides at one time, until the plants are 20 inches high. Can then be used between the rows. The equipment consists of 1 pair garden plows, pair of 6 inch hoes, 4 steel cultivator teeth, pair of leaf lifters. Price $24.50.

No. 157 Planet Jr. Two Row Seeder

Many of the No. 157 Two Row Seeders are in use in California and in other irrigated sections of the west and southwest. Will sow all vegetable seed at the proper depth and thickness, and economically. It will sow in drills. Particularly designed for planting on irrigated beds, the horse walking in the ditch and the seeder sowing on the edge of the beds to the left and right of the ditch. The index permits accurate seeding; the flow of seed is easily shut off when turning, the machine is light for handling, and in every way it is a practical seeder for the large vegetable grower and will save its cost in seed, time and labor within a short time. Price, $54.00.

As some growers prefer to attach the seeding units to sleds, they may be purchased separately. Price, $22.50 each.

No. 12 Planet Jr. Double and Single Wheel Hoe

A very popular combination of Double and Single Wheel Hoe. The equipment of a pair of garden plows, 4 cultivator teeth, and a pair of 6-inch hoes, together with a pair of leaf lifters, enables anyone to do practically all of their garden work including plowing, hilling up plants opening furrows for seed, etc. 13-inch steel wheels. Price $12.25.

No. 17 Planet Jr. Single Wheel Hoe

A great favorite among market gardeners and home gardeners. It does practically the same work as a Double Wheel Hoe, but is lighter. With the plow it is possible to do plowing, the 6-inch hoes give clean cultivation and produce a mulch and the 3 steel cultivator teeth do effective cultivating. Price $8.75.
PET STOCK DEPARTMENT

HARRIS' CANARIES

We have at all times a complete showing of domestic and imported canaries, both male and female. We are exceedingly careful at all times to keep nothing but the very highest grade canaries obtainable for distribution, and can assure you that any of our birds will give complete satisfaction.

First, our imported St. Andreasburg Roller Canaries, with their soft, pleasing, beautiful bell-note that inspires the mind and brings happiness to the heart of everyone that hears them, will surely become a treasure in any home.

The prices of these wonderful songsters are $15.00. Some extra select at $25.00 each. The $25.00 Rollers make wonderful breeders and trainers. The colors of these birds range from pure yellow to a dark green. We can also supply female imported St. Andreasburg Rollers at $5.00 each.

Second, comes the imported Hartz Mountain Triller, or Warbler Canaries. The singing of these canaries is more loud than the Roller, but beautiful in its variation. A great many folks like them equally as well as they do the Rollers. The price of these canaries is $10.00. Extra select for training and breeding purposes at $15.00.

Third, comes the domestic warbler canary. These birds have a loud song similar to the imported warbler, and are of the same color variations. Our stock are all very good singers and may be kept in a cage in the house or in an outdoor aviary. The price for the male birds is $7.50. Extra select at $10.00. Females are priced at $5.15 each.

We also carry a large stock of fancy birds, including: Bullfinches, Brazilian Cardinals, Parrots, Macaws, Black Hooded Nuns, White Hooded Nuns, Orange Weavers, Lady Goulds, Mexican Cardinals, Java Rice, Sparrows, Zebra Finches, Strawberry Finches, Paroquettes or Love Birds, Goldfinches, etc.

As the seasons for obtaining the different birds vary, we do not always have all these different kinds in stock, but you will always find at least a dozen different kinds of fancy birds in our cages, including many kinds not listed above.

CLEANLINESS

Just a word about the cleanliness in regard to your canary or canaries. The canary cannot be expected to keep clean if his cage or aviary is not kept clean. If you use a cage in the house, whenever necessary give it a washing in cold water; (hot water will remove the lacquer of a brass cage). Give the bird or birds a bath daily in cold water; (hot water will remove

BIRD SUPPLIES

HARRIS' MIXED BIRD SEED. We make a very nice mixture consisting of 50% re-cleaned canary, re-cleaned Millet, Hulled Oats and the large Essex Rape. Price, 15c. per lb., 2 lbs. for 25c.

Larger quantities, prices on application.

HARRIS' ROLLER MIXTURE. Consisting of Imported Sweet German Rape and Recleaned Canary. This is especially good for your German Rollers. No waste. Price, 25c. per lb.

HARRIS' BIRD GRAVEL. Nice, clean sand put up in 2 lb. packages for 10c.

HARRIS'S BIRD SEED. You will always find Harris' bird seed clean and dry. If you use a cage in the house, whenever you change the gravel, clean the gravel and the cage as soon as the bath is given. Always keep fresh, clean water in the bottom. It is also necessary to have some fresh water plants that will grow underneath the water, in order to supply oxygen. Scavengers and snails should be included in the equipment as they clean up refuse that would otherwise decay and spread disaster through the aquarium.

GOLDFISH, FOODS, ACCESSORIES

Today the ornamental Fish has come into its own and no home decorative scheme is considered complete without colorful, fancy shaped fish in attractive bowls or aquariums. Cleanly washed river sand or gravel and some ornamental piece of rockwork should be placed in the bottom. It is also necessary to have some fresh water plants that will grow underneath the water, in order to supply oxygen. Scavengers and snails should be included in the equipment as they clean up refuse that would otherwise decay and spread disaster through the aquarium.

DECORATIVE FISH

We have a wide assortment of ornamental Fish in varying degrees of sizes and color, including Gold Fish, Telescope Eye Fish, Straighttails, Dwarf Transparent, Calico and others. There is a great variation in the color of the Telescope Eye—some are all black, others are black and gold, gold and white, and blue-black and gold. The latter are called Calico Fish. The Dwarf Transparent are exceedingly small and only grow to one inch in length. They are transparent and stay near the top of the water. Write for price list.

FISH FOOD

Harris' Special Fish Food. 10c per pkg., $1.00 per lb.
Spratt's Aquarium Fish Food. 10c per pkg.
Spratt's Wafer Fish Food. 10c per pkg.

SCAVENGERS

Scavengers resemble snails, but are much smaller in size. Both scavengers and snails are necessary in aquariums, as they eat the refuse and keep both water and glass clean. Price on application.

FISH BOWLS AND AQUARIUMS

We carry a complete stock of fish bowls and aquariums and will be glad to quote on the various kinds and styles.
BIRD CAGES AND STANDARDS

Shown here are a few of the many styles of cages and stands we always have in stock. Come in and see them.

These stands are the very latest in bird cage stand construction and are entirely out of the ordinary in design. They are not bulky and make a pleasing fixture in any home. We might call your attention also to the very low prices of these stands.

Series 2274-5-6. These cages come finished in many very attractive colors in DuPont Duco. We also have stands finished to match. Cages priced from $4.50 up and Stands from $2.75 up.

The Hendryx Breeding Cage is hard to beat, complete in every respect, including the sliding drawer base. Priced from $6.00 up, according to size.

DOG FOODS AND REMEDIES

KEN-L-RATION is a complete food, requiring no preparation whatever. It is a “balanced” food. You cannot improve it by adding thereto. Open a can and spread on clean paper or dish. It is rich in meat, cereal, ground bone and cod liver oil. It is not a “fattening” food, but will keep your dog in perfect health and condition if fed regularly. KEN-L-RATION is now so well known as to make a further description quite needless. Feed this product and dog owning becomes a pleasure. 15c per can; 8 cans for $1.00; $6.00 per case.

HEMO-RATION is a blood-making food especially recommended for breeding animals of both sexes. For anemic or convalescent animals it is invaluable. We are advised by some prominent Veterinarians that HEMO-RATION is a wonder-food in treating cases of rickets and cholera. It carries a large percentage of Cod Liver Oil, and is rich in organic iron and calcium phosphate. 25c per can. 5 cans for $1.00; $8.00 per case.

PUP-E-RATION. Contains red meat, organic iron, calcium phosphate, Norwegian Cod Liver Oil and marrow-fat—the elements necessary for growth of body, bone and coat. This is a perfect food for puppies. The little fellows require a food that is rich in protein and vitamins and we positively claim this to be the best food procurable for puppies. Excellent also for pregnant bitches. 25c per can; 6 cans for $1.00; $7.50 per case.

DELCREO DOG REMEDIES

DELCREO. For Diastemper, Pneumonia, Black Tongue, Colds, Diarrhea, Auto-intoxication and other diseases of germ origin. A powerful non-poisonous germicide in liquid form easily absorbed by the digestive organs. Unequalled as a tonic and conditionner. 4 oz., $1.50; 16 oz., $5.00.

DELCREO TONIC AND CONDITIONER. 2 oz., 75c.

SOLUBLE SULPHUR COMPOUND. For Canker of the Ear, Eczema, Rheumatism and all blood disorders attributed to acids. A mild antiseptic alterative and blood purifier in liquid form. 4 oz., $1.00.

SOLUBLE SULPHUR CAPSULES. A convenient form of Sulphur Compound. Box of 40 capsules, $1.00.

SOLUBLE BATH SULPHUR. For Fleas, Mange, Eczema and all Skin Diseases. An invigorating, antiseptic bath liquid. Stimulates the skin and hair follicles and gives lustre to the coat. 4 oz., $1.00; 16 oz., $3.00.

SOLUBLE SULPHUR OINTMENT. For Mange, Wounds, Cuts, Sores, etc. A soothing and healing antiseptic salve. 1 oz., 50c.; 4 oz., $1.50.

SULFMINOL. A tonic laxative of pure white mineral oil and Soluble Sulphur Compound. For general and chronic constipation. 4 oz., 50c.; 16 oz., $1.50.

DELCREO DOG SOAP. For cleansing and stimulating the skin and coat. Will kill fleas. 4 oz. cake, 25c.
**SPRATT'S FOOD FOR DOGS**

**SPRATT'S FIBO.** A unique dog food containing a larger percentage of Spratt's world-famous Meat Fibrine. It is very appetizing and highly recommended for shy or dainty feeders. It can be given either dry or soaked. Bags, 100 lbs., $14.75; 50 lbs., $7.50; 25 lbs., $3.85; 10 lbs., $1.75; 5 lbs., 90c. Cartons, 40c. Postage extra.

**SPRATT'S MEAT FIBRINE DOG CAKES.** For sixty years the standard dog food, used by the leading breeders and fed at the principal dog shows throughout the world. The best results are obtained by giving the biscuit dry, not soaked, thereby compelling the dog to gnaw the food and thus producing a copious flow of saliva which materially aids digestion. Bags, 100 lbs., $12.25; 50 lbs., $6.50; 25 lbs., $3.35; 10 lbs., $1.55; 5 lbs., 80c. Cartons, 35c. Postage extra.

**SPRATT'S OVALS.** The Pocket Dog Biscuit. A small Meat-Fibrine Dog Biscuit, suitable as a staple diet for small dogs and toy dogs, and to be carried in the pocket as an occasional snack when on a ramble with the dog. Bags, 100 lbs., $13.75; 50 lbs., $6.50; 25 lbs., $3.60; 10 lbs., $1.65; 5 lbs., 85c. Cartons, 35c. Postage extra.

**SPRATT'S PLAIN PUPPY MEAL.** The Standard Weaning Food. This meal should be used before, during and after the weaning period to insure large, vigorous and healthy puppies. Also an invaluable food for dogs of any age out of condition. Bags, 100 lbs., $13.75; 50 lbs., $6.50; 25 lbs., $3.35; 10 lbs., $1.55; 5 lbs., 85c. Cartons, 35c. Postage extra.

**SPRATT'S PATENT DOG SOAP (WHITE) FOR FLEAS, LICE, ETC.** Spratt's Patent Dog Soap contains no Carbolic Acid or Coal Tar, but is nicely perfumed and produces a fine lather. Recommended by kennel owners throughout the world. Once tried, always used. Price per tablet, by mail, postpaid, 25c.

**SPRATT'S DOG MEDICINES**

Spratt's Cooling and Alterative Tablets. For heated blood, etc. 50c.

Spratt's Anti-Ricketts Tablets. A bone and muscle builder. 50c.

Spratt's Anti-Asthmatic Tablets. For Asthma, etc. 50c.

Spratt's Anti-Vomit Tablets 50c.

Spratt's Bone Builder. For Rickets, Osteoporosis, etc. 75c.

Spratt's Canine Elixir. For Diseases of the Genito-urinary Organs, etc. 50c.

Spratt's Consumption Capsules. Of great value in the arrest and treatment of this disease 50c.

Spratt's Chorea Tablets. For Chorea, St. Vitus' Dance, etc. 50c.

Spratt's Chronic Skin Disease Tablets. For obstinate cases of Mange and Eczema 50c.

Spratt's Cough Tablets. Generally effect a quick cure 50c.

Spratt's Constipation Tablets. A gentle and effective laxative. 50c.

Spratt's Digestive Tablets. For severe cases of indigestion 50c.

Spratt's Distemper Tablets. To relieve Diarrhoea, which usually follows change of food, etc. 50c.

Spratt's Distemper Tablets. May be used as a preventive. 75c.

Spratt's Ear Canker Ointment. For both internal and external forms of this disease 75c.

Spratt's Eye Lotion Tablets. A safe and efficient remedy. 50c.

Spratt's Eczema and Sarcoptic Mange Medicine. 50c.

Spratt's Jaundice Tablets. Valuable in treating "Yellows," etc. 50c.

Spratt's Kidney Tablets. For Cystitis or Inflammation of the Bladder, etc. 50c.

Spratt's Liver Tablets. A safe and reliable remedy. 50c.

Spratt's Lecurium Ointment. For Wounds, Cuts, Bruises, etc. 50c.

Spratt's Mouth and Throat Wash. For Ulceration of the Mouth, Sore Gums, etc. 50c.

Spratt's Poultice Tablets. Administrator as soon as possible. 50c.

Spratt's Purgative Tablets. Perfectly safe and effective. 50c.

Spratt's Rheumatism Tablets. For internal treatment. 50c.

Spratt's Tonic and Condition Tablets. To build up after sickness and to put in bench show form, etc. 50c.

**Germaco Hotkaps**

*Germaco Hotkaps* are miniature hothouses, manufactured from wax paper, under which the seed of melons, tomatoes, peppers, etc., can be planted, thereby saving the cost of labor and transplanting. Can be set by machine or by hand. Young plants or HOTKAPS are protected from frost and insects and will mature more quickly than those transplanted. A low premium crop insurance and a labor saver as well.

**INSURE YOUR CROPS AGAINST FROST AND INSECTS BY USING HOTKAPS**

One man can "set" 3000 Hotkaps per day. They not only bring you higher prices, but are a method of crop insurance—against the danger of the elements.

Prices per roll (1000 Hotkaps), $7.50; (5000 Hotkaps), $7.25. Write for interesting pamphlet or order today!

The special machine sets the HOTKAP properly, placing enough dirt around the edges to prevent its being blown away or dislodged. Machine and carrier, $4.25 set.
### PLANT STAKES

**Square**
- 24 inch per doz., 5c; per 100. $2.50
- 36 inch per doz., 8c; per 100. $3.00
- 6 foot per doz., 85c; per 100. $6.00
- 6 foot per doz., $1.00; per 100. $7.50

**BAMBOO STAKES**
- 4 feet, per doz., 5c; per 100. $2.00

Special prices when ordered in larger quantities.

### WIRE HANGING BASKETS

- 8 inch . $ .60
- 10 inch . .70
- 12 inch . .80
- 14 inch . 1.00

### COLORED AND NATURAL RAFFIA

We carry at all times a large supply of natural and colored raffia for basket making, etc., put up in bundles of different sizes from 10c. up.

Also a full assortment of different sizes of Reed for Basket making, put up in 10c bundles and 1 lb. bundles.

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### FLOWER POTS (Packaging at Cost)

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### FLOWER POT SAUCERS (Packaging at Cost)

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### THE "BOSS" TREE PROTECTOR

Made of Yucca, it is a perfect protection against rabbits, borers, grasshopper, etc. Not affected by sun or rain. Ready for immediate use. Is quicker to put on than any other protector. Open grained allowing free air circulation. Guaranteed to give satisfaction.

<table>
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<td>18 inches long, 7 inches wide.</td>
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<td>24 inches long, 7 inches wide.</td>
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<td>30 inches long, 7 inches wide.</td>
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### AUTO-SPRAY No. 26

Continuous Atomizer

It Sprays Continuously

The AUTO-SPRAY No. 26 is so designed that no excessive pressure is generated on the down stroke of the plunger allowing this sprayer to generate a continuous mist-like spray. This is a decided advantage over ordinary atomizers, which are intermittent, in that spraying can be done more rapidly with much less exertion. This sprayer has a number of advantages which other continuous atomizers lack.

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### NAMES OF VEGETABLES IN FOREIGN LANGUAGES

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For more information, please visit the website of the company.
INDEX

<table>
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<tr>
<th>A</th>
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<td>China</td>
<td>Digitalis</td>
<td>Gladiolus</td>
<td>Italian</td>
<td>Inside Back Cover</td>
<td>Kinai</td>
</tr>
<tr>
<td>Akebi</td>
<td>Celeriac</td>
<td>Celosia</td>
<td>Coreopsis</td>
<td>China</td>
<td>Digitalis</td>
<td>Gladiolus</td>
<td>Italian</td>
<td>Inside Back Cover</td>
<td>Kinai</td>
</tr>
<tr>
<td>Akebi</td>
<td>Celeriac</td>
<td>Celosia</td>
<td>Coreopsis</td>
<td>China</td>
<td>Digitalis</td>
<td>Gladiolus</td>
<td>Italian</td>
<td>Inside Back Cover</td>
<td>Kinai</td>
</tr>
<tr>
<td>Akebi</td>
<td>Celeriac</td>
<td>Celosia</td>
<td>Coreopsis</td>
<td>China</td>
<td>Digitalis</td>
<td>Gladiolus</td>
<td>Italian</td>
<td>Inside Back Cover</td>
<td>Kinai</td>
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<td>Akebi</td>
<td>Celeriac</td>
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<td>Coreopsis</td>
<td>China</td>
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<td>Akebi</td>
<td>Celeriac</td>
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<td>China</td>
<td>Digitalis</td>
<td>Gladiolus</td>
<td>Italian</td>
<td>Inside Back Cover</td>
<td>Kinai</td>
</tr>
</tbody>
</table>
Please forward the following ORDER for amount enclosed (write your name and address distinctly)

<table>
<thead>
<tr>
<th>Name</th>
<th>Street</th>
<th>R. D.</th>
<th>Box</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Post Office</th>
<th>P. O. Box No.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>County</th>
<th>State</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Forward Goods by</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>State whether by Mail, Express or Freight</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name of Station or Express Office</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Amount Enclosed</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Money Order</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Draft</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Cash</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Stamps</th>
</tr>
</thead>
<tbody>
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</table>

<table>
<thead>
<tr>
<th>Total</th>
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</thead>
<tbody>
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<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Date</th>
<th>19...</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

NON-WARRANTY. Harris Seed Co. give no warranty, express or implied, as to purity, description, quality, productiveness or any other matter of any seeds, bulbs, or plants we send out and will not be in any way responsible for the crop. When mentioned, purity and germination tests are for information only and without guarantee.

<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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<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

(OVER)
## Domestic Parcel Post Rates

On Seeds, Plants, Bulbs, Roots, Books, Tools, etc., within the U.S. and Possessions:

<table>
<thead>
<tr>
<th>Zone Description</th>
<th>First</th>
<th>Additional</th>
</tr>
</thead>
<tbody>
<tr>
<td>First Zone, San Diego or 50 miles thereof</td>
<td>7c</td>
<td>1c</td>
</tr>
<tr>
<td>Second Zone, within 50 to 150 miles</td>
<td>7c</td>
<td>1c</td>
</tr>
<tr>
<td>Third Zone, within 150 to 300 miles</td>
<td>8c</td>
<td>2c</td>
</tr>
<tr>
<td>Fourth Zone, within 300 to 600 miles</td>
<td>9c</td>
<td>3c</td>
</tr>
<tr>
<td>Fifth Zone, within 600 to 1000 miles</td>
<td>10c</td>
<td>4c</td>
</tr>
<tr>
<td>Sixth Zone, within 1000 to 1400 miles</td>
<td>11c</td>
<td>5c</td>
</tr>
<tr>
<td>Seventh Zone, within 1400 to 1800 miles</td>
<td>13c</td>
<td>6c</td>
</tr>
<tr>
<td>Eighth Zone, all over 1800 miles</td>
<td>14c</td>
<td>7c</td>
</tr>
</tbody>
</table>

Please do not ask questions on this order sheet requiring an answer. Be sure that your full name and address are on Both Letter and Order.

This space is for remarks about your order.
FLOWERING PLANTS

WE HAVE A VERY NICE LINE OF FLOWERING PLANTS, BOTH ANNUALS AND PERENNIALS. THESE ARE ALL GROWN FROM OUR OWN SEED, UNDER OUR DIRECT SUPERVISION AND ARE GIVING SPLENDID SATISFACTION. ANY OF THE PLANTS LISTED HERE MAY BE OBTAINED FROM US DURING THE PROPER TIME FOR PLANTING.

If you desire these plants sent you by mail, add the amount given in the right hand column to the price per dozen. Postage

<table>
<thead>
<tr>
<th>Plant</th>
<th>Price</th>
<th>Postage</th>
</tr>
</thead>
<tbody>
<tr>
<td>AFRICAN DAISY</td>
<td>balled plants</td>
<td>5c each</td>
</tr>
<tr>
<td>AGERATUM</td>
<td>from flats</td>
<td>...</td>
</tr>
<tr>
<td>ARCTOTIS GRANDIS</td>
<td>balled plants</td>
<td>5c each</td>
</tr>
<tr>
<td>ASTERS</td>
<td>from flats</td>
<td>...</td>
</tr>
<tr>
<td>BACHELOR BUTTONS</td>
<td>balled plants</td>
<td>5c each</td>
</tr>
<tr>
<td>CALENDULA</td>
<td>from flats</td>
<td>...</td>
</tr>
<tr>
<td>CANTERBURY BELLS</td>
<td>balled plants</td>
<td>5c each</td>
</tr>
<tr>
<td>CARNATIONS</td>
<td>2½ inch pots</td>
<td>10c each</td>
</tr>
<tr>
<td>CINERARIA</td>
<td>balled plants</td>
<td>5c each</td>
</tr>
<tr>
<td>CLARKIA</td>
<td>balled plants</td>
<td>5c each</td>
</tr>
<tr>
<td>COLUMBINE</td>
<td>balled plants</td>
<td>5c each</td>
</tr>
<tr>
<td>COREOPSIS</td>
<td>balled plants</td>
<td>5c each</td>
</tr>
<tr>
<td>DELPHINIUM</td>
<td>balled plants</td>
<td>15c each</td>
</tr>
<tr>
<td>DOUBLE DAISY (Bellis)</td>
<td>balled plants</td>
<td>5c each</td>
</tr>
<tr>
<td>FORGET-ME-NOT</td>
<td>balled plants</td>
<td>5c each</td>
</tr>
<tr>
<td>FOX GLOVE</td>
<td>balled plants</td>
<td>5c each</td>
</tr>
<tr>
<td>GAILLARDIA</td>
<td>balled plants</td>
<td>5c each</td>
</tr>
<tr>
<td>GAZANIA, ORANGE AND LEMON</td>
<td>balled plants</td>
<td>5c each</td>
</tr>
<tr>
<td>GERBERA JAMESONII HYBRIDS</td>
<td>balled plants</td>
<td>40c each</td>
</tr>
<tr>
<td>GEUM, YELLOW OR RED</td>
<td>balled plants</td>
<td>10c each</td>
</tr>
<tr>
<td>GODETIA, DOUBLE</td>
<td>balled plants</td>
<td>5c each</td>
</tr>
<tr>
<td>HOLIOTROPE</td>
<td>balled plants</td>
<td>15c each</td>
</tr>
<tr>
<td>HOLLYHOCK, DOUBLE</td>
<td>balled plants</td>
<td>10c each</td>
</tr>
<tr>
<td>LARKSPUR</td>
<td>from flats</td>
<td>...</td>
</tr>
<tr>
<td>LOBELIA</td>
<td>from flats</td>
<td>...</td>
</tr>
<tr>
<td>MARIGOLD, AFRICAN OR FRENCH</td>
<td>from flats</td>
<td>...</td>
</tr>
<tr>
<td>MOURNING BRIDE</td>
<td>balled plants</td>
<td>5c each</td>
</tr>
<tr>
<td>PANSIES</td>
<td>balled plants</td>
<td>5c each</td>
</tr>
<tr>
<td>PENTSTEMON</td>
<td>balled plants</td>
<td>5c each</td>
</tr>
<tr>
<td>PETUNIA, SINGLE</td>
<td>balled plants</td>
<td>5c each</td>
</tr>
<tr>
<td>PETUNIA, DOUBLE, SEEDLINGS</td>
<td>balled plants</td>
<td>10c each</td>
</tr>
<tr>
<td>PHLOX DRUMMONDII</td>
<td>from flats</td>
<td>...</td>
</tr>
<tr>
<td>SALPIGLOSSIS</td>
<td>balled plants</td>
<td>5c each</td>
</tr>
<tr>
<td>SALVIA, RED</td>
<td>balled plants</td>
<td>5c each</td>
</tr>
<tr>
<td>SHASTA DAISY</td>
<td>balled plants</td>
<td>5c each</td>
</tr>
<tr>
<td>SNAPDRAGON</td>
<td>from flats</td>
<td>...</td>
</tr>
<tr>
<td>STOCKS</td>
<td>from flats</td>
<td>...</td>
</tr>
<tr>
<td>SWEET SULTAN</td>
<td>balled plants</td>
<td>5c each</td>
</tr>
<tr>
<td>VERBENA</td>
<td>balled plants</td>
<td>5c each</td>
</tr>
<tr>
<td>VIOLETS</td>
<td>balled plants</td>
<td>5c each</td>
</tr>
<tr>
<td>ZINNIAS</td>
<td>from flats</td>
<td>...</td>
</tr>
</tbody>
</table>

WRITE US FOR PRICE ON ANY OF THESE PLANTS IN LARGER QUANTITIES, AS WE USUALLY HAVE A VERY PLENTIFUL SUPPLY.
HARRIS' QUALITY ROSES

OUR UNEXCELLED COLLECTION

This Splendid Assortment is a Wonderful Opportunity in Quality and Value. Six of Our Most Choice Roses.

LOS ANGELES, Flame Pink.
MADAME EDOUARD HERRIOT, Coral Red.
CLAUDIUS PERNEL, True Yellow.
GENERAL McARTHUR, Crimson.
KAISERIN AUGUSTA VICTORIA, Creamy White.
PADRE, Coppery Scarlet.

This Collection of Six Strong Two-Year-Old Budded Roses

$3.00

Delivered Anywhere in the City.

HARRIS' QUALITY CALIFORNIA ROSES

On Sale During January and February

SEND FOR COMPLETE ROSE LIST