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ANNUAL CATALOGUE 1919

WHITE'S SEEDS
PRODUCE

DO YOUR BIT
GROW MORE PRODUCE
HELP FEED THE WORLD

D. A. WHITE & SONS
Wholesale and Retail
FEEDMEN AND SEEDSMEN
POULTRY and
BEE SUPPLIES

251-261 State Street :: SALEM, OREGON
# INDEX

Garden Seeds Are Arranged in Alphabetical Order,
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GREETINGS TO OUR CUSTOMERS, OUR FRIENDS:

On this commencing of a New Year, we extend to you the Season's Greetings.

The war is over but the conditions remain serious. The world still faces a great shortage of food products.

America still must feed the world and that means we must all "Do our bit"; raise all the fruit, vegetables, grain and meat possible.

We are offering this season, the highest grade of seeds obtainable and, we believe, the best we have ever handled.

Our motto, Reliable, Tested Seeds.

We thank you for past business and trust to receive your valued orders.

D. A. WHITE & SONS,
255 State street, Salem, Oregon.

HOW TO ORDER BY MAIL

YOUR NAME AND ADDRESS. Be very sure that your name and address in full are written very plainly.

CASH WITH ORDER. The proper way is to send remittance in full to cover order and postage. We send orders C. O. D. only if 25 per cent of the amount of order is enclosed. Plants we never send out C. O. D.

REMITTANCES should be made by Postoffice Money Order, Express Money Order, or by Bank Draft. For amounts up to one dollar, clean, unused postage stamps will be accepted. Coin should not be sent by mail. Checks on local banks may be sent, which will be a great convenience to many customers. We do not accept responsibility for orders which never reach us.

Shipping. We will use our best judgment as to the best way of sending orders when specific directions are not given. If special directions in shipping are needed, send them explicitly, and where express or freight office is different from postoffice, so state in space on our order sheet. Paris Green, Nio Fume and other poisons are not mallable; they must go by express or freight.

ZONE RATES may be had by application to your postmaster, who will tell you the zone which you are in with reference to Salem, or we will tell you as nearly as we can if you write us.

DOMESTIC PARCEL POST RATES

<table>
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WHITE’S SELECTED TESTED VEGETABLE SEEDS

DISCLAIMER

We use every precaution in procuring fresh, pure and reliable seeds, etc., but we, in common with other responsible seed houses, sell subject to the following disclaimer, it being that adopted by the American Seed Trade Association, i.e.—We give no warranty, express or implied, as to the description, quality, productiveness or any other matter of any seeds, bulbs or plants sent out, and will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms they are at once to be returned.

D. A. WHITE & SONS.

ASPARAGUS

Palmetto. One of the best varieties. Quality first-class. Pkt. 5c; oz. 10c; lb. 85c, postpaid.

BEANS

(If wanted by mail add postage)

DWARF OR BUSH—GREEN PODDED

Stringless Green Podded. Without doubt the best green-podded variety on the market. Is very early; pods are long, rather round, very fleshy. Fine for market and home garden. Pkt. 10c; lb. 25c; 10 lbs. $2.

Canadian Wonder. This splendid bush bean is the largest, most prolific of the green-podded sorts, and is entirely stringless in its early development. Comes a little later than the New Stringless Green Pod, but continues in bearing throughout the season, and is excellent shelled green. Pkt. 10c; lb. 25c; 10 lbs. $2.

Dwarf Horticultural. A very vigorous variety; used as green shelled as well as a string or dry bean. Pods medium length. Pkt. 10c; lb. 25c.

Castor Bean. Used for medicinal purposes and claimed to keep moles away. Pkt. 10c; lb. 35c.

Refugee, or Thousand to One. Of great value on account of its hardness, vigorous growth and wonderful productiveness. Is not excelled by any other variety as a snap bean, and is considered the best for pickling or canning. Beans small, dark purple, veined brown. Pods of perfect form, dark green, veined purple. Pkt. 10c; lb. 25c; 10 lbs. $2.25.

WAX PODDED BUSH BEANS

Davis White Wax. Rustless and very productive; hardy and one of the best for market gardeners. The dried bean is kidney shaped, clear white and a favorite for baking and canning. Lb. 25c; 10 lbs. $2.25.

Golden Wax. One of the most popular garden varieties in cultivation. Pods are long and a beautiful golden yellow, crisp and tender. Pkt. 10c; lb. 25c; 10 lbs. $2.40.

"DRY BEANS" are a profitable crop. Lady Washington is the standard commercial variety. Write us before you plant.
BEANS—Continued

Challenge Black Wax. The earliest of all wax beans. Excellent quality and very productive. Lb. 25c; 10 lbs. $2.25.

Liberty Black Wax. Very vigorous and a heavy yielder. Pods fairly long, golden yellow, very brittle and stringless. Pkt. 10c; lb. 25c; 10 lbs. $2.25.

POLE BEANS—GREEN AND WAX PODDED

Kentucky Wonder, or Asparagus. The most popular of the pole beans for both garden and market. It grows luxuriantly and bears for a long time. Fine for table and canning. Pods are very long, very fleshy and deeply creased; green in color and stringless. Pkt. 10c; lb. 30c; 10 lbs. $2.50.

Horticultural. An old favorite. Pods short, pale green splashed with red. Used green or dry shelled. Pkt. 10c; lb. 25c.

White Dutch Case Knife. A climbing variety with long, flat pods which become creamy white as they mature. Pkt. 10c; lb. 25c.

Scarlet Runner. The well known and old fashioned climber; bright scarlet flowers; also used as a shell bean. Pkt. 10c; lb. 40c.

LIMA BEANS

Burpee’s Bush. The best dwarf variety. Very prolific. Pods and beans large; fine for green shelled. Pkt. 10c; lb. 35c.

Large White Lima. A good variety of the pole kind. Is very prolific and of good quality. Pkt. 10c; lb. 35c.

FIELD BEANS

(Write for prices on large lots)

Lady Washington. This small white bean is a great improvement over the old Navy bean; a heavy yielder and suitable for this climate. Lb. 15c; 10 lbs. $1.

Navy Beans. We handle Oregon grown seed and you will find they yield well and ripen in this valley. Lb. 15c; 10 lbs. $1.

BEETS—Table Varieties

A light sandy loam is preferable for good shaped roots of good color. The soil must be rich and moist to get a quick growth which is essential to crisp, tender flesh:

White’s Improved Blood Turnip. We have this grown especially for us, and can recommend it as one of the very best table beets; a turnip-shaped variety with deep red flesh; tops green. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. $1.25.

Extra Early Egyptian. One of the best known and most popular varieties. Is very early and of fine quality. Bright red with clear vermillion flesh. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. $1.25.

Extra Early Eclipse. A fine, early table variety, tapering, globe shaped. Flesh deep crimson, zoned with pink. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. $1.25.

Detroit Dark Red. One of the best table varieties. Globe shaped, bright but rich red flesh. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. $1.50.

Woodruff’s Early Wonder. This is a new variety that is fine both for market and home gardens. Pkt. 5c; oz. 15c; ¼ lb. 50c; lb. $1.25.
BEETS—Continued

Half Long Blood. Grows about eight inches long. Very rich, deep red flesh and of fine color. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. $1.

Long Dark Smooth Blood. The leading late variety, keeping well all the winter. Flesh deep purple, fine and sweet. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. $1.

Swiss Chard Beet. Cultivated for its stalks and leaves which are prepared and served similar to asparagus. Tender and delicious. Pkt. 5c; oz. 15c; lb. $1.50.

MANGEL WURZEL, SUGAR AND STOCK BEETS

Should be grown more extensively, as they afford an abundance of feed at a small outlay.

Mammoth Long Red. Grows to a very large size and makes fine feed. Very uniform, smooth and of good shape. Often yields from 40 to 50 tons per acre. Should be grown in deep, loose soil. Pkt. 5c; oz. 10c; ½ lb. 30c; lb. 90c, postpaid.

Golden Tankard. A very large mangel growing about half out of the ground. Considered the best for dairymen. Pkt. 5c; oz. 10c; ½ lb. 30c; lb. 90c, postpaid.

French Sugar Beet. Flesh white and tender. Fine for table and stock feeding. Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. 90c, postpaid.

Sew Mangels Half Sugar. Fine for stock feeding. Does not yield as heavy as the mangels but makes better feed. Pkt. 5c; oz. 10c; ½ lb. 30c; lb. 90c, postpaid.

Danish Sludstrup. This new mangel comes highly recommended. Long, reddish yellow, grows well above the ground, and is easy to pull. Has repeatedly been awarded a first-class certificate by the Danish Government and is doubtless the best mangel in the world. Pkt. 5c; oz. 10c; ¼ lb. 35c; lb. $1.

Sugar Beets. This is the genuine sugar beet. You can make your own syrup and coarse sugar very easily. Pkt. 5c; oz. 15c; lb. $1.

BIRD SEED

Rape. Per lb. 15c
Millet. Per lb. 15c
Cuttlebone. Per lb. 10c.
Sunflower. Per lb. 15c

Canary. Per lb. 40c
Hemp. Per lb. 20c
Mixed. Per lb. 25c

If wanted by mail add parcel postage

BROCCOLI

Broccoli is very much like cauliflower in general appearance and growth, but is harder and will stand more cold and frost. Produces fine heads from late in the fall until early spring, according to time plants are set out. Culture same as cauliflower.

Large White French. A valuable variety, with large heads, firm and of good quality. Pkt. 10c; oz. 50c.

St. Valentine. The finest of all Broccoli. This grand new strain is a sure header of immense size, finest quality, and is ready for market in February. The large, solid, handsome, white heads remain in good condition longer than other varieties. Pkt. 10c; ¼ oz. 40c; oz. $1.25.

BRUSSELS SPROUTS

Dwarf Improved. A carefully grown variety, very hardy and giving compact round sprouts of large size and of good quality. Pkt. 5c; oz. 25c.
CABBAGE

SPECIAL—This year we offer the best seed that it is possible to buy.

Culture.—For the earliest supply seed may be sown in September and the plants wintered over in cold-frames, or seed started in hot-beds or cold-frames early in the spring. For the fall crop seed should be sown early in June and the young plants transplanted to the rows during the latter part of July. In planting be sure to set the young plants down to the first leaves. One ounce of seed will sow 300 feet of drill; four ounces sown thinly should provide enough plants for one acre.

EARLY VARIETIES

Early Jersey Wakefield. The favorite early cabbage with market gardeners. The heads are of good size, solid, a sure header and always give satisfaction. Pkt. 10c; oz. 75c; ¼ lb. $2.25; lb. $8.50.

Early Drumhead. Heads flattened. A good keeper. Pkt. 10c; oz. 50c; ¼ lb. $1.85; lb. $7.

Early York. Small, but is very early. Pkt. 10c; oz. 50c; ¼ lb. $1.85; lb. $7.

Early Winningstadt. Conical solid heads. A fine keeper. Pkt. 10c; oz. 50c; ¼ lb. $1.85; lb. $7.

Henderson’s Early Summer. The head is round and the largest of the early kinds. Is firm and of the best quality. Pkt. 10c; oz. 50c; ¼ lb. $1.75; lb. $7.

Copenhagen Market. A splendid cabbage for home gardens. A new extra early globe shaped cabbage slightly flattened. The large solid heads are very uniform, with few outer leaves; keeps well and stands handling. Copenhagen Market originated in Denmark, where it is the favorite market variety, and we recommend it to our customers as the best early round head. Gardeners should give it a trial. Pkt. 10c; oz. 85c; lb. $10.

Early Flat Dutch. Firm, fine grained and tender. Pkt. 10c; oz. 50c; ¼ lb. $1.85; lb. $7.

Charleston or Large Wakefield. Larger and a little later than the Jersey Wakefield. Pkt. 10c; oz. 75c; lb. $8.

LATE CABBAGE

Premium Late Flat Dutch. Considered the best late cabbage for all purposes. A sure header. Pkt. 10c; oz. 60c; ¼ lb. $2.10; lb. $7.

Premium Late Drumhead. Has no superior for family or market purposes, either for medium early or late purposes. Pkt. 10c; oz. 60c; ¼ lb. $2.10; lb. $8.

Hollander or Danish Ball Head. Head of medium size, round and very solid. The finest cabbage ever sold on the market. Pkt. 10c; oz. 90c; ¼ lb. $3.25; lb. $11.50.

VEGETABLE PLANTS—Thrifty, well grown, true to name, standard varieties in any quantity for seasonable delivery. See Plant Dept.
CABBAGE—Continued

Autumn King or World Beater. A sure header, very solid, fine grained and tender. Pkt. 10c; oz. 60c; ¼ lb. $2.15; lb. $8.

Sure Head. A favorite with many. Certain to head. Pkt. 10c; oz. 65c; ¼ lb. $1.85; lb. $7.

Perfection Drumhead Savoy. A variety that is much prized in Europe and also by those who are familiar with it in this country. It is very sweet and always tender. Heads medium sized and fairly compact. Pkt. 10c; oz. 50c; ¼ lb. $1.25; lb. $1.15.

Succession, or All Seasons. Heads large, slightly flattened; grows low on stem. Pkt. 10c; oz. 50c; lb. $7.

Mammoth Rock Red. Used for pickling. The heads are very fine and a sure header. Pkt. 10c; oz. 50c; lb. $7.

CARROTS

Culture.—For early carrots for table use sow as early as the ground can be worked; for late crop until the latter part of July; early in August for a winter crop. For the main crop sow from the middle of May to the first of July. Thin out in the row from five to six inches apart, rows from 12 to 14 inches apart. Hoe often and deeply between the rows. Light sandy loam, richly manured is best soil. One oz. will sow about 125 feet of drill; 4 lbs. will sow an acre.

Early Scarlet Horn. The best early kind for general use. Fine quality. Pkt. 5c; oz. 15c; lb. $1.25.

Chantenay. The market gardener's favorite. Fine cooking variety. Deep orange in color. Flesh very crisp and tender. Pkt. 5c; oz. 15c; ¼ lb. 35c; lb. $1.15.

Danvers Half Long. The smooth handsome roots are orange and of medium length. A heavy producer and a fine feed. Pkt. 5c; oz. 10c; ¼ lb. 35c; lb. $1.

Ox Heart. A thick carrot, 5 or 6 inches long and very blunt at lower end. A favorite carrot for market and home gardens. Pkt. 5c; oz. 10c; ¼ lb. 35c; lb. $1.25.

Long Orange. One of the best for stock feeding. Grows to a large size. Oz. 10c; ¼ lb. 30c; lb. $1.

Large White Belgian. Grown for stock feeding. Very productive. Grows so much above ground that it is easily pulled by hand. Oz. 10c; ¼ lb. 30c; lb. 85c.

Large White Mastodon, or Short White. Roots half long, smooth, very heavy at the shoulder, but tapering regularly at the point. Very productive. Oz. 10c; ¼ lb. 30c; lb. 85c.
POULTRY, BEE AND SPRAY SUPPLIES

CHICORY

Large Rooted or Coffee. The favorite variety. Pkt. 5c; oz. 25c.

CELERY

Culture.—Sow the seed early in a hot-bed or cold-frame. As soon as the plants are three inches high, transplant in a prepared border, setting them four inches apart. When grown six inches and fine stocky plants, set in richly manured, deep soil, in rows 3 feet apart and about 9 inches from plant to plant. Water if dry weather follows transplanting.

One ounce produces about 2000 plants.

White Plume. The leading white celery. A handsome, crisp sort, of very easy cultivation. Pkt. 5c; oz. 25c; lb. $3.

Golden Self Blanching. The best celery for early market use. Easily blanched. Pkt. 10c; oz. 35c; ¼ lb. $1.

Celeriac, or Turnip Rooted Celery. Pkt. 5c; oz. 25c; ¼ lb. 75c.

CAULIFLOWER

Culture.—The cauliflower succeeds well in any soil where cabbage will grow.

Large Algiers. A valuable late sort, sure to head, of the best quality, and very popular with market gardeners everywhere. One of the very best late varieties. Pkt. 10c; oz. $1.25.

Early Snowball. The best and most popular variety grown. There is a vast difference in the strains of this variety offered, but what we offer is the best imported stock. Those who have had trouble with cauliflower should try this Snowball. Uniformly fine heads, even under adverse conditions. Pkts. 15c, 25c; ¼ oz. $1; oz. $3.
CAULIFLOWER—Continued

Oregon Wonder. A late variety, forming good, large, solid heads during the winter. This variety has given great satisfaction in Oregon wherever tried. Pkt. 10c; ¼ oz. 40c; oz. $1.25.

Danish Giant—Dry Weather. A strain of the Early Snowball type, which is especially adapted to drier climates. It is a Danish variety (the best cauliflower comes from Denmark), and is destined to become very popular in our climate. Pkt. 15c; ¼ oz. $1; oz. $3.

Autumn Giant. The heads are white, large, compact and thoroughly protected by foliage. Pkt. 10c; oz. $1.50.

DON'T BUY CHEAP STRAINS OF CAULIFLOWER SEED. Only the best select strains can be depended upon to produce a big percentage of large, white, solid heads.

COLLARDS

Used as greens. As the leaves are pulled off others grow in their places. Pkt. 5c; oz. 15c.

CRESS

Curled or Pepper Grass. Used as a salad dressing. Pkt. 5c; oz. 15c.

Water Cress. Forms a plant the leaves of which are used as a salad or dressing. Thrives only when the roots or stems are submerged in water. Pkt. 5c; oz. 50c.

CORN—Sweet, or Table Varieties

EXTRA GROWN STOCK—ESPECIALLY SWEET

(If wanted by mail add parcel postage)

EXTRA EARLY VARIETIES

Golden Bantam. Sometimes called Golden West. One of the finest sweet corns grown. Very early, tender and extra sweet. Try it; we know you will like it. Pkt. 10c; lb. 30c.

Peep o' Day. The earliest sweet corn on the market. Sweet and very productive. Fine for market or garden. Pkt. 10c; lb. 30c.

Mammoth White Cory. Larger and a few days later than the Early Cory but of the same excellent quality. Sweet, tender and fine for market. Pkt. 10c; lb. 30c.

Early Minnesota. One of the best early varieties for market or garden. Stalks above five feet high. Ears long and 8 rowed. Pkt. 10c; lb. 30c.

MEDIUM EARLY VARIETIES

Early Mammoth. A new variety that gives very fine satisfaction. Ears large, well filled. Corn sweet and tender. Fine market variety. Pkt. 10c; lb. 30c.

Early Evergreen or Oregon Evergreen. Earlier than the famous Stowell's Evergreen, but having all the good qualities of that great corn. Fine for second crop. Pkt. 10c; lb. 30c.

LATE VARIETIES

Stowell's Evergreen. This is the most popular and best main crop sweet corn grown. It is especially adapted to the Pacific Coast, yields heavy, is sweet and very popular. One of the best corns for green feed and ensilage grown. Grows six to eight feet high and remains in condition to use for a long time. Pkt. 10c; lb. 30c.
FIELD CORN

EXTRA SELECTED STOCK
(Add postage if sent by mail)

Pride of the North Yellow Dent. Oregon grown. Pride of the North has long been recommended as the best corn for Oregon, Washington and Idaho. We were the first dealers to handle local grown seed corn, having had it grown for us for seed purposes for the past fifteen years. By selection, we have a strain that ripens well and yields very heavy. It is the best silo corn on the market. Our corn is all tested for germination and hand selected. Lb. postpaid 20c; not postpaid, 10 lbs. 75c; 100 lbs. $6.50.

Minnesota No. 13 Yellow Dent. This variety has proven of great merit and a heavy producer. Growing to a good height and yielding heavy. Lb. 15c; 10 lbs. $1; 100 lbs. $9.

Leaming Yellow Dent. This is used for silo and fodder purposes and makes a large growth. Kernels are deep and of a golden yellow. Lb. 15c; 10 lbs. $1; 100 lbs. $9.

Champion White Pearl. A large dent variety. Very popular with the dairymen on account of the large amount of feed it produces. Lb. 15c; 10 lbs. $1; 100 lbs. $9.

POPCORN

White Rice. The best variety for this climate. Ripens early and produces a large crop. Lb. postpaid, 25c; not postpaid, lb. 20c; 10 lbs $1.75.

CUCUMBERS

In this latitude it is useless to plant in the open ground until nearly the first of May. Make hills two feet in diameter and about six feet apart, and enrich with well-rotted manure. Plant a dozen or more seeds, covering half an inch deep. When all danger from insect is over, pull all but three or four of the strongest plants. One ounce for fifty hills; two pounds per acre when planted in hills. Pkt. 5c; oz. 15c; lb. $1.15.

Early Short Green, or Early Frame. An excellent sort for both table and pickling. Small and early.


Chicago Pickling. The great pickling variety. An old favorite.

Peerless White Spine. The best cucumber for all purposes, as it is good for table use and cannot be beat for pickling.

Improved Long Green. The old family favorite. Very productive and a fine cucumber for family or market.

The Davis Perfect. The Davis Perfect is of perfect form, large size and of the finest color; is crisp, delicious and almost seedless. The Davis Perfect is as handsome, grown outside, as any hot-house cucumber. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. $1.25.

Lemon Cucumber. This dainty little cucumber resembles a lemon both in form and color, having a distinctive flavor superior to and not found in any other cucumber. The Lemon cucumber is so prolific that a single vine will be ample for the needs of the average family. It is also said that the Lemon cucumber can be eaten without fear of the harmful results that some experience from eating cucumbers. Pkt. 5c; oz. 15c; ¼ lb. 50c; lb. $1.50.

Echinocystis, Lobata—Wild Cucumber. A rapid growing climber. Very good for covering old fences or trellises. Hardy annual. Pkt. 5c; oz. 15c.
ENDIVE

This is a hardy vegetable, cultivated principally for a winter salad. Sow from May until August for a succession of crops; tie the leaves closely together to blanch them.

Green Curled. A standard sort for fall and winter. Pkt. 5c; oz. 15c; ¼ lb. 35c.

White Curled. A beautiful variety with curled, mossy leaves for early use. Pkt. 5c; oz. 15c; ¼ lb. 50c.

EGG PLANT

Early Long Purple. The earliest and hardiest. Pkt. 10c; oz. 75c.

Black Beauty. An extra early, quick-growing, vigorous variety, handsome and very uniform. Color, deep blackish purple. Splendid market sort. Pkt. 10c; oz. 50c.

KALE

Emerald Isle. Finest Kale in the world. This is really the handsomest Kale that has ever come under our notice; and is entirely distinct from other strains, very hardy, of medium height, and very vigorous, throwing out new shoots as fast as the leaves are used, and will furnish excellent greens all winter. The closely curled, handsome leaves are most attractive and of fine flavor. A fine exhibition plant. Pkt. 10c; oz. 25c.

Dwarfed Green Curled. Leaves curled and a bright green. Pkt. 5c; oz. 20c.

Tall Scotch—Green Curled. Grows about two feet high; leaves dark green curled and wrinkled; very hardy. Pkt. 5c; oz. 20c.

Thousand Headed. Grows very large. Used mostly for stock feeding. Pkt. 5c; lb. 50c. Postpaid.

KOHL RABI

Early White. Best table variety. Pkt. 5c; oz. 35c.

LEEK

Large Rouen. The favorite variety. Pkt. 5c; oz. 30c.

LETTUCE

Sow in the open ground as early as possible, barely covering the seed. If the hot bed is used let it be started quite early. Give but little heat and plenty of water and air on fine days. Let plants in the bed be about four inches apart. As they increase in size thin them out or they will become weak. One-half ounce will sow one hundred feet of drill.

Hanson. The leading head variety. Crisp, tender and well-flavored. Pkt. 5c; oz. 15c; lb. $1.25.

Early Prize Head. One of the very best kinds for the garden. A large, loose head, tender and crisp. Pkt. 5c; oz. 15c; lb. $1.25.

Grand Rapids. The best early kind for forcing. A favorite of gardeners. Pkt. 5c; oz. 15c; lb. $1.25.

Brown Dutch. Forms a large, solid head, sweet, tender, and of a good flavor. Outer leaves tinged with brown. Very hardy. Pkt. 5c; oz. 15c; lb. $1.25.

New York or Wonderful. The best head lettuce for market growers. This is the mammoth head lettuce so popular in California, from whence it is shipped to the northern markets, arriving in splendid condition. The immense heads are solid, heavy, beautifully blanched to a creamy white with
LETTUCE—Continued

bright green outer leaves. The quality is unsurpassed, being tender, crisp and sweet. "New York" is a hardy, rapid grower, deep rooted and resistant to drought; a slow seeder and sure to head. Pkt. 5c; oz. 15c; ¼ lb. 50c; lb. $1.75.

May King. A grand new butter lettuce. A large growing smooth leaf, richly flavored sort, which we believe to be the best of all smooth leafed lettuces. Plant is light green, with round leaves which form into a very solid, compact, round head, stands a long time without running to seed. Leaves are very thick, folded or puckered at base, inner ones branch to a rich golden yellow. Exceedingly rich, tender and buttery. Fine for open ground or forcing. Pkt. 5c; oz. 15c; lb. $1.25.

Simpson's Early Curled. A leading market variety. Very tender. Pkt. 5c; oz. 15c; lb. $1.25.

MELONS

MUSKMELON OR CANTALOUPE

Plant in rich, wet land, using one ounce to 100 hills or two or three pounds to the acre.

Burrel's Gem. A medium sized, oval variety, deeply netted and having salmon or red flesh. Fine grain and fine flavored. Pkt. 5c; oz. 10c; lb. $1.

Rocky Ford, or Netted Gem. The most largely cultivated variety in use. Fruit is slightly oval, finely netted and slightly ribbed. Flesh green, thick, very sweet and of fine flavor. Pkt. 5c; oz. 10c; lb. $1.

Osage, or Miller's Cream. One of the finest flavored melons. The sweetest of all. Rich salmon color. Pkt. 5c; oz. 10c; lb. $1.00.

Extra Early Hackensack. An early variety with almost globular fruit, which is heavily ribbed and netted; flesh thick and light green. Pkt. 5c; oz. 10c; lb. $1.00.

Large Yellow Cantaloupe. The flesh is light yellowish green, very sweet, crisp and delicious. Pkt. 5c; oz. 10c; lb. $1.00.

Small Green Nutmeg. The old favorite. Fine for home or market. Flesh thick and green. Pkt. 5c; oz. 10c; lb. $1.00.

Emerald Gem. A salmon-fleshed variety of remarkably fine flavor and fine quality. Fruit medium-sized, globular, slightly flattened at the ends; skin only slightly netted; very thick and well ripened close to the rind. Pkt. 5c; oz. 10c; lb. $1.00.

Casaba, True Stock. This is an excellent melon and much sought after. Large, rather oblong, well ribbed, skin thin, netted, and of greenish yellow color. Flesh 2 to 3 inches thick, delicious and melting. Pkt. 5c; oz. 10c; lb. $1.50.

WATERMELON

Early Fordhook. An early variety of the best quality. Is especially sweet in flavor, crisp and brittle and well ripened to a very thin rind. Pkt. 5c; oz. 10c; ¼ lb. 35c; lb. $1.00.
MELONS—Continued

Kleckley's Sweet, or Monte Cristo. A splendid sort for home use or near markets. Vine vigorous and productive; fruit of medium size, oval; color dark mottled green in two shades, forming indistinct stripes. Flesh a beautiful rich red, exceedingly sweet and tender. Pkt. 5c; oz. 10c; lb. $1.00.

Sweetheart. This melon has become very popular as a shipping melon. Vine vigorous and productive, ripening its fruit early. Fruit large, oval, very heavy, uniformly mottled dark and very light green, rind thin but firm; flesh bright red, firm, solid but very tender, melting and sweet; fruit retains its good quality for a long time after ripening. Pkt. 5c; oz. 10c; lb. $1.00.

Ice Cream, or Peerless. A grand favorite and standard variety. Superior in every respect. Has beautiful crimson core, which is always fine grained, cannot be surpassed in flavor; very prolific, magnificent grower. Pkt. 5c; oz. 10c; lb. $1.00.

CITRON

Red Seeded. Round and handsome for preserving only. Oz. 10c; lb. $1.

MUSTARD

Southern Giant Curled. Pkt. 5c; oz. 10c; lb. $1.00.

White English. Leaves mild and tender when young. Pkt. 5c; oz. 10c; lb. 75c.

ONIONS

PURE SEEDS. Highest tests. We pride ourselves on selling the very best onion seed that can be produced. Try it.

White Portugal or Silverskin. A good variety for table or market. Skin and flesh pure white; mild and flat shape. The best white onion. Pkt. 10c; oz. 35c; ¼ lb. $1.15; lb. $4.

Prizetaker. The genuine. The handsomest and largest globe onion. A perfect globe shape, with bright straw colored skin. The necks are small and the onions always ripen up hard. Pkt. 10c; oz. 25c; lb. $3.00.

Oregon Yellow Danvers. This is a variety planted almost entirely in the Northwest, particularly in Oregon. The bulbs are large, of a half globe shape, with small necks. The best keeper and brings the highest prices in both Oregon and California. Our seed is from the best growers. Pkt. 10c; oz. 30c; lb. $3.00.

Yellow Flat Danvers. A well known variety that does fine here. Pkt. 5c; oz. 20c; lb. $2.25.

Yellow Globe Danvers. A very handsome globe shaped variety of large size, with thin, yellowish skin, white flesh, fine grained, mild, very firm and a good keeper. Pkt. 10c; oz. 25c; lb. $2.50.

Australian Brown. The skin is thick and the color a dark brown; the longest keeping onion on the market. Pkt. 5c; oz. 25c; lb. $2.25.
ONIONS—Continued

Large Red Wetherfield. A standard variety; one of the most productive kinds, even in poor soil. Pkt. 5c; oz. 25c; lb. $2.25.

Southport 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. 35c; ¼ lb. $1.15; lb. $4.

White Bunching. Very early. Very mild flavor and fine quality. Is used for green onions. Pkt. 10c; oz. 25c; lb. $3.25.

Extra Early Barletta. Is a white onion forming small onions about one inch in diameter. Fine for pickles. Pkt. 10c; oz. 60c.

White Bermuda. A very early variety, used largely in the South as an early market onion, when the seed is sown in the fall and the onions harvested in the spring. It is mild and of particularly fine flavor. The color is a pinkish straw color, and shape is flat. Pkt. 10c; oz. 30c; ¼ lb. $1.00; lb. $3.50.

ONION SETS

We make a specialty of onion sets, and have the largest trade in the city on same. On account of the market we do not quote prices, as the price is subject to changes. Write for prices or send in your order and we will fill it at market prices at time order is received.

PARSLEY

Used for flavoring soups, meats, and garnishing.

Double Curled. A curled variety, very hardy and easy to grow. Deep rich green, and by many preferred to the extremely curled varieties. Pkt. 5c; oz. 15c; ¼ lb. 35c; lb. $1.

Extra Triple Curled. Very finely curled variety of dark green color. One of the best varieties for all purposes. Pkt. 5c; oz. 15c; ¼ lb. 35c; lb. $1.00.

Hamburg, or Turnip Rooted. A plain leafed variety forming a long, thick edible root. Pkt. 5c; oz. 15c; ¼ lb. 35c; lb. $1.00.

PARSNIPS

Hollow Crown. Root white, very tender, with smooth, white skin. Pkt. 5c; oz. 15c; lb. $1.50. Postpaid.

PEPPER

Sow the seed early in hotbeds, or later when the weather becomes warm, in open beds. When two or three inches high, transplant to a warm, mellow soil, in rows 18 inches apart and a foot apart in the rows. Guano and hen manure are excellent fertilizers and will greatly increase the yield. Pkt. 10c; oz. 65c.

Ruby King. Very large, sweet and mild; bright scarlet.

Large Bell, or Bull Nose. Large, mild, thick-fleshed variety; one of the best for stuffed pickles.

Red Chili. A rather small, bright red variety about two inches long and pointed. The pods are used in making Chili sauce, and are very pungent and hot.

Pimiento. This is a sweet pepper—one which you will enjoy eating in salad, either fresh or canned. Gardeners are planting Pimiento largely. Quite large, top shaped, very thick flesh and wonderful mild flavor. Pkt. ½ oz. 50c; oz. 90c.
PEPPER—Continued

New Chinese Giant Sweet. The largest and best of the mild Red peppers. The fruits are four to five inches in diameter, borne in clusters on the thick, stocky bushes, that are well branched, and grow about two feet high; color, brilliant deep red; vigorous and about as early as Ruby King. Pkt. 15c; ½ oz. 40c; oz. 75c.

GARDEN PEAS

(If wanted by mail, add parcel postage).

We offer a very choice selection of peas that are especially adapted for this climate. In planting, plant an early, medium and late variety and secure a succession of crops.

Burpee’s "Blue Bantam." Unequaled for extreme earliness, superb quality, and unusual productiveness. The dwarf vigorous vines average 15 inches in height and carry really enormous crops of large, deep bluish-green pods. The handsome pointed pods average 4 inches long and are tightly packed with seven to eight extra large, deep bluish peas. These peas are not only large in size, but of most luscious flavor. The pods are ready to pick as early as an American Wonder, and almost double the size. Pkt. 10c; lb. 35c; 10 lbs. $3.50.

Alaska. An extremely early variety that can be planted either in fall or early spring. Grows from 20 to 30 inches in height and all mature at one time. Fine for early market. Pkt. 10c; lb. 25c; 10 lbs. $2.25.

Gradus of Prosperity. An extra early pea with a large pod. Height, two feet. One of the very best early varieties. Pods well filled with large sweet, tender peas. Fine for market and home garden. Pkt. 10c; lb. 30c; 10 lbs. $2.75.

American Wonder. One of the best known and best liked peas on the market. A good yielder, very early, and fine sweet peas. A great favorite for family use. Pkt. 10c; lb. 30c; 10 lbs. $2.75.

Premium Gem, or Little Gem. One of the finest of the extra early peas. Peas are very sweet, wrinkled, tender and crisp. Dwarf. Pkt. 10c; lb. 30c; 10 lbs. $2.75.

Nott’s Excelsior. A fine early dwarf pea. Pods are always well filled with sweet tender peas. Fine for market and home garden. Pkt. 10c; lb. 30c; 10 lbs. $2.75.

Little Marvel. An extremely valuable variety, especially suited to small home gardens, and early market. It matures very early and produces large crops. Vines 15 to 18 inches high. The pods are dark green, good size, produced in pairs and are closely filled with six to seven peas of extra fine flavor. Pkt. 10c; lb. 35c; 10 lbs. $3.00.
GARDEN PEAS—Continued

MAIN CROP VARIETIES

Improved Stratagem. One of the best of the large podded sorts. The pods are of immense size; well filled with wrinkled peas of the finest flavor. We urge you to try it as we know that you will like it. Pkt. 10c; lb. 30c; 10 lbs. $2.65.

Yorkshire Hero. One of the largest sweet wrinkled varieties. Pods of a good size and well filled. Medium late; bears a long time. Height 30 inches. Pkt. 10c; lb. 30c; 10 lbs. $2.50.

IMPROVED DWARF TELEPHONE

Our Own Select Strain

Dwarf Telephone is the famous old Telephone without its long vines; of healthy, stocky growth; very productive; pods large, broad, straight and remarkably well filled with large, sweet peas of delicious flavor, very desirable. Eighteen to twenty inches high. Pkt. 10c; lb. 30c; 10 lbs. $2.75.

Telephone. The best mid season variety. Is tall and large; wrinkled peas of fine quality. Grown by gardeners as a main crop for market. Fine for home use. Pkt. 10c; lb. 30c; 10 lbs. $2.75.

Champion of England. One of the most popular tall wrinkled late varieties. Is very prolific and hardy, and the peas are of fine, rich quality. Pkt. 10c; lb. 30c; 10 lbs. $2.75.

PUMPKIN

CULTURE.—Care should be taken to keep the different varieties apart and also to keep them well separated from other vining plants, as they readily amalgamate and deteriorate.

Winter Luxury. The best flavored pie pumpkin grown; enormously productive; excellent keeper; medium size; color golden russet, finely netted; flesh, deep golden, sweet, tender and very thick; none better. Pkt. 5c; oz. 10c; ¼ lb. 35c; lb. $1.25.

Large Yellow, or Connecticut Field. Large, round, deep glossy yellow. Vines vigorous and very productive; good keeper; grown extensively for stock feeding. Oz. 10c; ¼ lb. 35c; lb. $1.00.

King of Mammoths. Grows to an enormous size. Pkt. 5c; oz. 10c; lb. $1.00.

Large Sweet Cheese. A popular variety; fruit flattened, skin mottled light green and yellow; flesh yellow, thick, tender, very nutritious and of excellent quality; a most productive variety. Pkt. 5c; oz. 10c; ¼ lb. 35c; lb. $1.00.

Sweet, or Sugar. A handsome and productive small pumpkin, 10 to 12 inches in diameter, round, flattened; skin orange, flesh deep yellow, fine grained and very sweet. Pkt. 5c; oz. 10c; ¼ lb. 35c; lb. $1.15.

RADISH

French Breakfast. A popular variety for market or forcing; it is about two inches long and decidedly stump rooted; color, bright rose, with bottom of root and the tail pure white. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. $1.25.
RADISH—Continued

White Strasburg. A large white variety for late summer use; rather thick at the shoulder and tapering to about five inches in length; keeps firm and solid a long time. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. $1.25.

Half Long. The variety most largely used by gardeners in California; it is about three inches long, with half slump root and sloping top; color carmine, quick growing and hardy. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. $1.25.

Long Scarlet Short Top. The best known and most popular long variety; color bright carmine, flesh firm, about six inches long, the top growing out of the ground about one inch. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. $1.25.

Brightest Long Scarlet. A very showy long variety, thick at the shoulder and tapering, bright rose scarlet with distinct white tops. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. $1.25.

Icicle. A handsome white variety, about five inches long, with sloping top and pointed root; quick growing, brittle and mild in flavor. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. $1.50.

Crimson Giant. A new variety which will be a popular market and home variety, since it matures very early and remains firm and crisp much longer than other short varieties; color rose carmine, with white tip; it is top-shape. Pkt. 5c; oz. 15c; lb. $1.25.

Scarlet Turnip, White Tipped, or Rosy Gem. One of the most popular and attractive short varieties it is globe-shaped, bright rose scarlet, with bottom and tip clear, clear white stems and leaves small, very valuable for forcing as well as for the house garden and market. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. $1.25.

Early Scarlet Globe. A popular forcing variety owing to its quick growth and fine scarlet color, shape a trifle oblong. Pkt. 5c; oz. 15c; ¼ lb. 50c; lb. $1.50.

Chartier. A very long variety, and larger in diameter and general size than Long Scarlet; keeps hard and crisp longer than most varieties, and is an excellent garden sort; color bright rose with lighter colored tips. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. $1.25.

WINTER RADISHES

China Rose Winter. Bright rose color; flesh white, firm and of superior quality. Pkt. 5c; oz. 15c; lb. $1.50.

Mammoth White China. Roots from 10 to 12 inches long, and are solid, tender and crisp. Pkt. 5c; oz. 15c; lb. $1.50.

Long Black Spanish. Flesh white; one of the latest and hardiest. Pkt. 5c; oz. 15c; lb. $1.35.

RHUBARB OR PIEPLANT

Victoria, or Mammoth. Very large, finest cooking variety. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. $1.25.

SPINACH

An easily grown plant, the seed of which may be planted in the fall to secure good spinach early in the spring. The soil should be rich.

Bloomsdale Savoy. A favorite market variety. Leaves large, round and thick. One of the earliest sorts. Pkt. 5c; oz. 10c; lb. $1.00.
POULTRY, BEE AND SPRAY SUPPLIES

SPINACH—Continued

Long Standing. A deep green variety that stands a long time without going to seed. Pkt. 5c; oz. 15c; lb. $1.50.

Victoria. A long-standing variety with round leaves. Deep green and hardy, and remains ready for use for a long time. Pkt. 5c; oz. 15c; lb. $1.50.

SQUASH

New Delicious. This new fall and winter squash resembles the old Hubbard, having a dark, olive green, hard shell; average weight is between five and ten pounds. Seed cavity small, flesh exceedingly thick, compact, fine grained; color golden orange. The flesh is meaty, granulated, tender and almost of mealy dryness, cooking sweet and rich, whether steamed, baked, boiled or made into pies. Oz. 10c; lb. $1.25.

Mammoth Summer Crookneck. Flesh tender and of good quality. Pkt. 5c; oz. 10c; lb. $1.25.

Mammoth White Bush Scallop. The best summer sort for the market. Pkt. 5c; oz. 10c; lb. $1.25.

Hubbard. The best seller and most popular squash; keeps through the winter. Oz. 15c; lb. $1.50.

Golden Hubbard. The same in size, shape and quality as the well known Hubbard squash, except that it is a bright red or golden color, and somewhat earlier; it is also a long keeper, vigorous and wonderfully productive; in flavor it has no equal. Pkt. 5c; oz. 15c; ¼ lb. 50c; lb. $1.65.

SALSIFY OR VEGETABLE OYSTER

Mammoth Sandwich Island. The leading tender variety. Produces a large crop of straight, smooth roots. Pkt. 5c; oz. 20c; lb. $2.50.

TOMATOES

Perfection. One of the best; medium early; round and smooth. Pkt. 5c; oz. 25c.

Earliana. The earliest, large and smooth tomato; the most perfect of all tomatoes; of large uniform size and beautiful red color. Pkt. 10c; oz. 25c; ¼ lb. 90c.

Chalk's Early Jewel. A wonderful new variety, in that it is early and bears continuously through the season; the fruit is large, smooth, uniform and well ripened clear to the stem, and flavor and quality are especially fine. Color is bright scarlet. Pkt. 10c; oz. 35c; ¼ lb. $1.15.

Husk Tomato, or Ground Cherry. Used mostly for preserves. Pkt. 10c; oz. 50c.
TOMATOES—Continued

Red Cherry. The fruit is small and globe-shaped, about one to two inches in diameter. It is very valuable for preserving. Pkt. 10c; oz. 50c.

SUNFLOWER

Mammoth Russian. The favorite kind. Lb. 15c; postpaid 25c.

TOBACCO

Connecticut Seed Leaf. Best adapted for general use. Does well here. Pkt. 10c; oz. 30c.

Havana. Of fine texture and delicate flavor. Pkt. 10c; oz. 50c.

TURNIPS

For early use sow the small sorts as soon as the ground can be worked in the spring. For fall and winter use, sow during July, August and September.

EARLY GARDEN TURNIPS.

White Egg. Is clear white, excellent flavor, sweet and mild. Favorite for table use. Pkt. 5c; oz. 15c; lb. $1.50.

Early White Flat Dutch. Flesh white, firm, tender and sweet. Pkt. 5c; oz. 15c; lb. $1.50.

Early Purple Top, Strap Leaved. The leading white-flesh variety, and one of the best for all purposes. Keeps good. Pkt. 5c; oz. 15c; lb. $1.50.

Early White Milan. Pure white, sweet and tender. A leading market variety. Pkt. 5c; oz. 15c; lb. $2.00.

Orange Jelly, or Golden Ball. One of the most delicate and sweet flavored yellow fleshed varieties introduced. Fine as a table variety. Pkt. 5c; oz. 15c; ½ lb. 50c; lb. $1.75.

MAIN CROP TURNIPS.

Purple White Top Globe. The favorite large variety, both as field and table variety. Handsome and of excellent quality. Pkt. 5c; oz. 15c; lb. $2.

Pomerian White Globe. A very productive kind. Grows large and makes excellent feed for stock. Pkt. 5c; oz. 15c; lb. $1.50.

Yellow Aberdeen. Round, medium size, light yellow. A great favorite with the dairymen. Pkt. 5c; oz. 15c; lb. $1.50.

Cow Horn. Grows half out of the ground and is a rapid grower. Immense yielder. Delicate and well flavored. Pkt. 5c; oz. 15c; lb. $2.

RUTA BAGAS.

(If wanted by mail, add 10c per lb. for postage).

Best of All. Flesh yellow, fine grained, and heavy yielder. Pkt. 5c; oz. 15c; lb. $2.

American Purple Top. A favorite variety; grows to a large size and produces immense crop. Pkt. 5c; oz. 15c; lb. $2.

Sweet Russian. Most excellent for table and stock, sweet and rich. Pkt. 5c; oz. 15c; lb. $2.00.
VEGETABLE PLANTS AND ROOTS

We handle the output of several large growers and can furnish fine transplanted plants during the season. Transplanted plants are much stronger and better rooted and do far better than ordinary plants sold on the market.

We do not name the various named varieties that we handle, as it varies with the seasons, but will be glad to send you a list at any time when you are ready to plant.

For those wanting large lots, write for special prices, stating quantity wanted.

**Early Cabbage Plants.** We make a specialty of the Charleston Wakefield variety for early use and also carry stock for late planting. We consider this the best variety for this climate but we can usually furnish several other varieties. **Price:** 15 plants 10c, postpaid 25c; 50 plants 35c, postpaid 50c; 100 plants 65c, postpaid 80c.

**Late Cabbage Plants.** We find that the Sure Head and Danish Ball Head give the best satisfaction and are usually considered best adapted for the Coast. Same price as early cabbage plants.

**Cauliflower and Broccoli Plants.** We carry both early and late varieties and price them as follows: Doz. 15c, postpaid 25c; 50 plants 50c, postpaid 65c; 100 plants $1, postpaid $1.15.

**Celery Plants.** Usually have both White Plume and Golden Self-Blanching varieties and quote as follows: Doz. 15c, postpaid 25c; 50 plants 50c, postpaid 60c; 100 plants 85c, postpaid $1.

**Tomato Plants.** Usually have Chalk’s Early Jewel, Spark’s Earlana, Livingstone’s Favorite and Perfection varieties. **Price:** Doz. 15c, postpaid 25c; 50 plants 50c; postpaid 65c; 100 plants $1, postpaid $1.25.

**Thousand Headed Stock Kale.** We handle hundreds of thousands of this plant and have them in stock from early in the spring until late in the fall. Strong, hardy outdoor grown plants that are sure to make a crop. **Price:** Doz. 10c, postpaid 20c; 100 40c, postpaid 60c; 500 at store or via express collect 75c; 1000 plants at store or via express collect $1.25.

**Rhubarb Roots.** Good strong roots from crown at 10c each, postpaid 15c; 6 for 50c, postpaid 65c.

**Asparagus Roots.** Good strong plants from seed. Doz. 25c, postpaid 35c; 100, $1.25, by freight or express.

**Pepper Plants.** Large Sweet Peppers. Doz. 25c, postpaid 35c.

SEED POTATOES

Send for list and prices when you are ready to buy, as stock and market changes are so that we are unable to quote for any length of time. We carry all the leading varieties at the market prices.

FLOWER SEEDS

THE “SPENCER” TYPE OF SWEET PEAS

Special Re-selected Stock for 1919

By reason of their increased size, waved or fluted appearance and charming blendings of harmonious colors, the new “Spencer” type may be appropriately described as Truly Gigantic “Orchid Flowered.” The flowers are not only of extremely large size, and attractively waved or crinkled, but are distinct also in having the outer edges of the standard and wings serrated. The standard is broad and tall; the wings are broad, well spread and generally held erect by the keel.
FLOWER SEEDS—Continued

**Apple Blossom.** A truly giant flower. Color standard rose with deeper veinings, wings light carmine, ground color primrose. Pkt. 10c; oz. 35c.

**Asta Ohn.** Lavender suffused with manure. Of perfect form, of largest size, four blossoms on long, strong stems; very vigorous. Pkt. 10c; oz. 35c.

**Countess Spencer.** Pink. Flowers extremely large, beautifully expanded, crumpled and waved. Color silvery white, suffused with soft shell pink, deeper at the outer edges. Pkt. 10c; oz. 35c.

**Dainty Spencer.** A pure glistening white with distinct margining of bright rose pink; comes four large blossoms on long stems. Dainty is all that its name implies and is the best picotee edge yet produced; very large and wavy. Pkt. 10c; oz. 35c.

**King Edward Spencer.** Bright crimson scarlet, largest size, wavy standard; dropping wings, very long stems; one of the finest bright reds. Pkt. 10c; oz. 35c.

**Primrose Spencer.** Color, true primrose. Very vigorous, free flowering, excels in beauty of form, length of stem and keeping quality. Pkt. 10c; oz. 40c.

**White Spencer.** A pure white flower of enormous size, beautifully crinkled and fluted, of splendid substance. Pkt. 10c; oz. 35c.

**King White.** The newest and most magnificent white; of perfect Spencer form; the immense petals gracefully frilled are pure white of wonderful substance. King White has the most enthusiastic endorsement ever accorded a sweet pea from the world’s greatest sweet pea specialists of Europe and America. Be sure to order King White. Pkt. 10c; oz. 35c.

**Illuminator.** A glorious orange-salmon sweet pea. In dull light the color appears to be a “flat orange-scarlet,” but when in brilliant sunshine or under artificial light the color is completely changed. It appears to be a bright salmon-cerise, sparkling with orange. When seen at its best one has to call it “glorious,” fully appreciating the meaning of the adjective. Pkt. 10c; oz. 35c.

**Margaret Atlee.** The Spencer Supreme. Margaret Atlee is a rose-salmon-pink on a creamy buff ground; a rich, soft color, and extremely attractive, both as individual flowers and in the bunch. The standard is large and wavy and inclined to double under favorable conditions. The wings are equally large, wavy and well set. It runs almost uniformly four blossoms to the stem; well poised and graceful. In a field of three acres we seldom found a stem with less than four blossoms. In all respects it is the grandest sweet pea we have ever grown, either from foreign introduction or American varieties. Pkt. 10c; oz. 35c.

**Royal Purple.** A recent novelty of great merit. A true, rich royal purple that holds its color. Flowers of giant size and elegant form, very beautiful bunched with white. Pkt. 10c; oz. 40c.

**Capt. of the Blues Spencer.** Clear purplish blue, lighter at edges. Pkt. 10c; oz. 35c.

**America.** Red and white striped. Pkt. 10c; oz. 30c.

**Dobie Cream.** One of the finest creams. Pkt. 10c; oz. 35c.

**New Miriam Beaver.** One of the finest Spencers. A beautiful light apricot and buff. Very large. Pkt. 10c; oz. 35c.

**Our Superb Mixture.** True Spencers Only. A splendid mixture, carefully proportioned and blended to produce pleasing and harmonious combinations of color, containing the most beautiful shades and varieties of the wonderful Spencer type. These are not seedlings, but carefully selected named varieties that retain all their purity and brilliancy of color. Pkt. 10c; oz. 30c; lb. $3.00.
FLOWER SEEDS—Continued

Wedgewood. One of the finest blues. An extra fine strain. Pkt. 10c; oz. 35c.

Selected List of Finest Large Flowering Sweet Peas, the Best of Their Color and Type.

We offer for this season a very fine selection of Grandiflora varieties. All at the uniform price of 5c per packet; 15c per oz; 50c per ¼ lb. and $1.50 per lb., postpaid.

Dorothy Eckford. An extra large white variety.
King Edward. One of the very best pure red shades.
Navy Blue. Violet and light blue.
Henry Eckford. A distinct orange scarlet of the finest form and largest size; as beautiful under artificial lights as in daylight.
Dainty. White ground; beautiful picotee edges of rose pink.
Blanche Ferry. Rose standard, white wings, tinted light pink.
Flora Norton. Bright blue with tint of purple.
White’s Extra Fancy Grandiflora Mixed. A fine selection of the different varieties, carefully blended together to make a beautiful showing of the different colors in a harmonious effect.

NASTURTIUM

Nasturtium. Fancy tall mixed. A fine selection of the different climbing varieties in all colors. Pkt. 5c; oz. 15c; ¼ lb. 50c; lb. $1.50.
Nasturtium. Tom Thumb or Dwarf. A fine selection of the dwarf variety. Pkt. 5c; oz. 15c; ¼ lb. 50c.

On account of limited space in this catalogue we list only a few of the main flower seeds but we have a large stock of very choice, selected seeds, and will be glad to fill your order at any time whether we catalogue the particular variety you want or not.

We are headquarters for Alfalfa, Clover and Grass Seeds

IMPORTANT! READ CAREFULLY!

Clover, Grass and Field Seeds are subject to market changes, therefore we cannot print prices good for any length of time. When ready to buy, write us for special prices, stating quantity wanted; or send in your order at catalogue prices. We guarantee that we will give you full value for the money sent, whether the price at the time you order be higher or lower, or if the difference is very great, we will notify you before shipment.

ALFALFA

(Medicago Sativa.) One of the most valuable forage or pasture grasses being very nutritious, both as a green feed and as a hay. Often bears four or five crops a year and with irrigation, six or more. It does well in most any climate and improves the soil that is sown with it. The western part of Oregon, including the Willamette Valley, Rogue River, Umpqua and other valleys, are now raising alfalfa successfully and it is proving a very profitable crop. Price per lb. 30c; postpaid 35c; 100 lbs. $25.00.
CLOVER SEED

The Largest Dealers in the Willamette Valley in Clover Seeds

We make a specialty of handling the very best grass and clover seeds that can be obtained. We have a large power cleaner and clean all our seeds before offering them to the market. The days of sowing any old seeds are past, as the up-to-date farmer knows that it pays to seed only with the best on the market. You will find our prices are as low as seeds of like quality can be sold for; the quality of the seeds we handle is so much better than some dealers handle, that there is no comparison, and they usually want as much for seeds of inferior quality as we ask for seeds of the HIGHEST QUALITY. Add parcel postage if sent by mail.

Red Clover. (Trifolium Pratense). The standard clover for all purposes. Yields the heaviest crop of any variety, except alfalfa, makes superior hay, especially mixed with timothy. Lb. 50c; postpaid 60c; 100 lbs. Extra Fancy $48.50; Fancy $47.50.

Mammoth Red Clover. Similar to Red Clover, but coarser, taller and more hardy. Lb. 50c; postpaid 60c; 100 lbs. $48.00.

Alsike Clover. Alsike succeeds on wet, cold and stiff lands, as well as growing any place that red clover will grow. Makes fine hay, as it is not as coarse as red clover. Lb. 40c; postpaid 50c; 100 lbs. Fancy $37.50; Choice $36.50; Prime $35.00.

Alsike for Pastures. Usually have in stock, different grades of alsike and mixed alsike suitable for pastures at reduced prices. Write us if interested and we will send samples and quote prices.

Alsike and White Mixed. This mixture is used for pastures and is quite popular. Lb. 40c; 100 lbs. $35.00.

White Dutch. (Trifolium Repens). Dwarf spreading vine-like variety with white blossoms; used largely for bee pasture. It is also an excellent pasture for either sheep or cattle; also makes a beautiful lawn. Sow 10 pounds to the acre. Fancy, lb. 75c; postpaid 85c.

Melilotos Alba Sweet Clover. Sweet Clover is coming into its own. Instead of being the despised roadside weed that it once was, it is now being planted extensively, as few plants grow better in heavy clay soil, alkali ground and many other places where the ordinary grasses cannot exist. Sweet Clover will provide more feed per acre than any other form of grass. Lb. 35c; 100 lbs. $30.00.

Melilotos Indica. Yellow Blossom Sweet Clover. This is the variety that is used so extensively in California as a cover crop with such good results. Lb. 20c; postpaid 30c; 100 lbs. $16.00.

GRASSES

Add parcel postage for all grass seeds ordered by mail; prices below do not include postage. All prices subject to market changes.

Orchard Grass. One of the most valuable pasture grasses; produces an immense quantity of forage, and hay of best quality. After being sown comes up quickly and yields very heavy. Suitable to sow under trees as it does well in the shade. Fine for burnt lands, as it will catch if sown in the ashes. Lb. 35c; 100 lbs. $34.

English Rye Grass. Perennial. One of the best grasses for this country, as the moist climate is adapted to its growth. It grows rapidly and makes a good showing within a month from the time of sowing. Does fine both on hill and bottom land. A good lawn grass but a little coarse. Lb. 20c; 100 lbs. $18.
GRASSES—Continued

Timothy. We have secured some very fine Timothy seed from Idaho; Idaho having the reputation of growing the finest seed obtainable. As we buy direct we are in a position to quote low prices. If you are going to need any quantity write for special prices. Timothy makes the finest and best quality hay, bringing the highest prices on the market. It produces a larger crop than any other grass and always has a ready sale. In former times Western Oregon was a great timothy producing country but in recent years it has been neglected. Lb. 15c; 100 lbs. $13.50.

Italian Rye Grass. A quick growing grass attaining a height of 2 1/2 feet to 4 feet. Thrives best on soils that are slightly moist, and will even stand considerable overgrowth. Grows easily and makes an abundance of hay or pasture. Lasts from 2 to 6 years. Sow 15 to 20 lbs. to acre. Lb. 20c; 100 lbs. $19.50.

Mesquite, or Velvet Grass. This is one of the most hardy grasses grown here and makes an abundance of pasture both early and late in the season. Also used for hay quite extensively. Fancy hulled seed. Lb. 25c; 100 lbs. $20.00.

Red Top, Fancy. Sown for pastures and lawns, either alone or as a mixture. Very desirable for wet lands and considered next to timothy as a grass hay. Lb. 25c; 100 lbs. $22.50.

FANCY LAWN GRASS SEED

More fine lawns in the city have been made from our mixture than any other. We use only the choicest, recleaned, heavy grass seeds. This mixture of ours will produce a fine velvety thick lawn in a few weeks' time, if the ground is properly prepared and the seed sown properly. Do not buy cheap seed; it means only a poor lawn. Sow our seed at the rate of one pound to 400 square feet of space. Lb. 50c; 10 lbs. $4.50.

Shady Nook Lawn Grass. This is a special mixture for shady places, like under trees, in the shade of a house or similar places. Lb. 50c; 10 lbs. $4.50.

MIXED GRASSES

We will mix any seeds that you may want as you want it. Send us a list of what you want or what you want it for, and we will quote you accordingly.

Pasture Mixture. We have a fine mixture put up for pastures, consisting of English Rye Grass, Orchard Grass, Alsike Clover, White Clover, Red Top Mesquite, etc., and offer it at a very low price, considering the quality. Lb. 15c; 100 lbs. $12.50.

SUDAN GRASS

A New Forage Crop of Immense Value to the West

Sudan Grass is strictly an annual and dies each year like Millet and must be seeded again each spring. This makes it fit admirably into any system of rotation and while it does not benefit the soil like legumes it does afford a change in crop and this is a good thing for the soil.

Summing it all up, Sudan Grass is a hay green feed crop which seems to be especially adapted to the drier regions of the middle western states. Price, per lb., 40c postpaid; 100 lbs., market price.
FARM AND FIELD SEEDS

We want to call your attention to our stock of Farm and Field Seeds. We are making a special effort to please those who want GOOD SEEDS and PURE SEEDS. We have at a large outlay installed a large power cleaner, equipped with all the latest cleaning devices, to handle this trade right. We clean all our seeds and seed grain thoroughly before offering on the market. Buy our recleaned seed grain and seeds, and sow nothing but clean seed; you have enough foul seeds now without sowing any more.

ALL PRICES SUBJECT TO MARKET CHANGES

Seed Wheat. We mention a few of the leading varieties grown here.

Defiance Spring Wheat. This variety can be sown quite late and is adapted to nearly all the different soils of the valley and Western Oregon and Washington. 100 lbs. $4.25.

Poisa. This variety is sown both in fall and spring and is grown very extensively. 100 lbs. $4.25.

Kinney. This is a large red wheat that outyields any variety grown here and is well adapted for level and bottom land. Sown in fall and early spring. 100 lbs. $4.25.

White Winter. This is the old well known variety that is so popular and does well here as a winter wheat. Prices on application.

White Eton. This is a similar variety to the above and is a winter wheat. Used on all kinds of land. Prices on application.

We usually have in stock other varieties and would be glad to furnish any variety wanted if possible to obtain at the time.

Grey Winter Oats. This is a leading variety and can be sown during the fall, winter and early spring. It yields very heavy and is a very valuable variety both for grain and hay. The favorite oat of this vicinity. 100 lbs. $4.00.

White Spring Oats. We carry all the leading varieties. Write for prices.

Barley. Spring. We have some good valley barley that has been recleaned in good shape. 100 lbs. $3.50.

Oregon Vetch. This variety is sown both in the fall and early spring here and is used both for a hay crop and green feed. Also used for plowing under as a fertilizer. Produces very heavy crops of fine hay and feed. Lb. 15c; postpaid 20c; 100 lbs. $10.00.

Cheat Seed. This is used as a hay crop and especially on wet land. Makes a fine hay if handled right. 100 lbs. market price.

Buckwheat (Japanese). Is earlier than the other varieties. Is excellent for bee pasture. Lb. 10c; 100 lbs. $9.00.

Buckwheat (Silverhull). A very good and popular variety. Grain is of a light color, rounder than the common variety, thinner husk, earlier and yields more. Lb. 10c; 100 lbs. $9.00.

Flax Seed. Recleaned for planting. Flax should be grown more as it is a profitable crop at the prices that it has been selling for the last few years. Lb. 10c; 100 lbs. $7.00.

Dwarf Essex Rape. This great forage crop is becoming more popular every year. Yields an immense amount of green feed. Lb. 20c; 100 lbs. $16.

Thousand Headed Kale. One of the most valuable forage crops for this valley ever introduced. It produces a mass of thick, curly green leaves, rich and succulent, which are eagerly eaten by sheep, cattle, horses, poultry and hogs. Especially recommended for green feed during the dry summer and also during the cold weather of winter, as it is good at all times. Makes the most rapid growth if sown in the spring, but can be sown in summer and fall for winter feed. Pkt. 5c; oz. 10c; lb. 50c by mail postpaid.
FARM AND FIELD SEEDS—Continued

Seed Rye. Rye is one of the most profitable crops in the grain line. It is a sure cropper and produces a good crop every season. Fine for pasture. Recleaned seed, $5.50 per 100 lbs.

Kaffir Corn. Yields a large crop of fodder during season. Grows four or five feet high with numerous large leaves. The seed makes very fine poultry food. Lb. 15c, postpaid 25c; 100 lbs. $10.

Milo Maize. The merit of this non-saccharine sorghum is that when cut for feeding it starts again from the remaining stumps with renewed vigor. Relished by all stock. Lb. 15c, postpaid 25c; 100 lbs. $10.

Peterita. A variety of corn, resembling Kaffir corn but is claimed to be more productive. Lb. 15c, postpaid 25c; 100 lbs. $10.

Golden Millet. Will grow on any good land and is a heavy cropper. Makes fine hay and the seed is fine for poultry feed. Lb. 15c, postpaid 25c; 100 lbs. $11.50.

Broom Corn or Hog Millet. A large variety of millet that yields a heavy crop of hay or seed. Lb. 15c, postpaid 25c; 100 lbs. $11.00.

Early Fortune Millet. An extra early variety and thrifty grower. Lb. 15c, postpaid 25c; 100 lbs. $11.

Cane—Early Amber. As the results of several experiments here, cane has proven a good crop, especially along the river lands. Fine for fodder. Lb. 15c, postpaid 25c; 100 lbs. $11.

FIELD PEAS

Field Peas are very profitable crop and are grown here very extensively. They can be grown alone or with oats. When planted with grain and cut green they make a large amount of very rich feed; also valuable for enriching the soil if plowed under. The dry peas make excellent hog feed and are quite fattening. Sow, if alone, 120 pounds to the acre; if with other grain, 60 pounds.

Canadian. A leading kind; a heavy cropper. Per lb. 10c; 100 lbs. $9.00.

BEE SUPPLIES

SECTION HONEY BOXES

(Description and prices. Order by numbers).

Our No. 1 Sections are made of the choicest white basswood lumber and are perfect in finish, and free from defects. They are not all snow white, but vary from that to a light cream color. Choice honey shows off to best advantage in a section not too white, as it is the honey rather than the wood that the consumer looks to. Price, per 100, $1.05; 500 $4.75.

SECTION HOLDERS

Six section holders, with separators, one follower and wedge, are put in each super, and each holder holds four 1-lb. honey boxes. The bottom strip is 1 1/2 inches thick, and is cut out to fit in sets of sections, 1 7/8 x 18 1/2 inches, slotted. Each 3 1/2 c; 100 $8.00.

Dovetailed Pine Hives. No. 1. Dovetailed hive, complete with one super. Consists of one bottom board, one body, one super, one cover, eight
BEE SUPPLIES—Continued

Hoffman Brood Frames, one division board, six section holders, 24 sections and foundations started for frames, and sections and nails. Nailed, $3.10 each; per 5, K. D. flat, $13.

No. 2. Hive is the same as No. 1, less sections and foundation starters. Nailed $2.75 each; per 5, K. D. flat, $11.25.

Dovetailed Supers. No. 1 Pine with sections, foundation starters. Nailed, $1.25 each; per 5, K. D. flat, $5.50.

No. 2. Pine, less sections and starters. Nailed, $1 each; per 5, K. D. flat, $4.25.

No. 0. Empty, pine or cedar, Nailed, 60c each; per 5, K. D. flat, $2.50.

COMB FOUNDATION

Packed in 1, 2, 3 and 5-pound paper boxes, of 25 pounds in a case. Light standard brood grade, 6 to 7 square feet per lb., price per lb. 95c; light section grade 11 to 12 square feet per lb., price per lb. $1. If foundation is wanted by mail, add 6c per lb. up to two lbs., and 2c per lb. over 2 lbs.

HOFFMAN BROOD FRAMES

The Hoffman Improved Foundation Fastening Frames are the latest and best brood frames out. The top bar is made with a beveled strip which holds the foundation absolutely in place, perfectly straight and exactly in center of top bar. Anyone can put foundation in these new frames very rapidly. Price, Hoffman Frames, per 10, 50c; per 100, $4.65.

SEPARATORS

One separator should always be placed between each section holder so that the bees will build the honey comb even in each section. Slotted wood separators 4½x18, per doz. 15c; per 100, $1.

BEE VEILS

Hat Veils. These veils have a rubber band around the top so as to fit the hat snugly. The lower end is bound, to prevent fraying. The kinds of material are given below. Price list (postpaid): No. 2 Veil, cotton tulle, with silk tulle face, $1.20; No. 3 Veil, cotton tulle throughout, $1.10.

Globe Veils. Each $1.50.

BEE ENTRANCE GUARDS

Root's or Tinker's. These are to admit workers and exclude drones. After the drones are all out, fix the guards over the entrance, and at night the drones can be destroyed. Price 30c; by mail 35c.

TINNED WIRE

No. 30. Per spool, 15c postpaid; ¼ lb. spool 40c, postpaid 45c.

BEE SMOKERS

Clark's Cold Blast. Probably the most popular smoker in use today is the Cold Blast, although many are now changing to the hot blast, claiming that they are more effective. The Clark is the best low-priced smoker. Price $1.10; by mail $1.20.
POULTRY, BEE AND SPRAY SUPPLIES

BEE SUPPLIES—Continued

Root Smoker. It is neat in appearance and does not topple over easy. Makes a good strong blast, with little work. Very substantial. Price, standard, 3 ¼ inch, $1.50; by mail $1.65.

A B C Bee Culture. For the veteran as well as the beginner. While the book is in a true sense an A B C of Bee Culture, in that it is adapted to the requirements of the beginners, no veteran, no matter how extensive his experience, can afford to be without a work of this kind, containing as it does, a carefully prepared treatise on every late method of practice known to the business. 500 pages, postpaid $2.65.

OTHER BEE SUPPLIES

We handle a great many supplies not listed here, but will be glad to quote you prices at any time. Send you a list of what you want.

BROADCAST SEEDERS

Block Seeder. The most popular and convenient hand machine on the market. Sows very accurate. Good for grain or grass seed. Price, each $3.50.

Cyclone. The handiest small seeder on the market. Very convenient. Price, each $2.50.

Horn Seeder. Very handy to use for small seeds, like clover and timothy. Each $1.00.

PLANT SETTERS

Master's. For planting cabbage, kale, celery, etc. With this little planter you can plant, water and fertilize ten thousand plants a day. Price, each $5.50.

CORN PLANTERS

Crescent. A two-handed planter; strong and durable. Price $1.25.

Segment. Very accurate in planting. Price $2.00.

POTATO PLANTERS

Eureka. This is the lightest and best tubular planter made. With the planter one man can plant several times as much ground without getting a lame back as he can plant by hand. The planter locks itself as it is lifted out of the ground, so that the next potato may be dropped in at once, and opens automatically as the top of it is moved forward in walking. Price $2.00.

FLOUR DEPARTMENT

We carry the leading brands of Hard Wheat and Valley Flours, including Whole Wheat Flour, Graham Flour, Corn Meal, Rolled Oats, Germea, Farina, etc.

You will always find our prices the lowest in the city.

SQUIRREL POISON

We handle a reliable brand of squirrel poison that does the work. Can 40c.
TRAPS

Reddick Mole Traps. The best trap for catching moles on the market. Each $1, postpaid $1.15.

THE CINCH GOPHER TRAP

The only safe and successful device for catching this pest. No dangerous gun; no ammunition. Easy to operate and when set properly is a "cinch" sure enough. Any boy can clean the ranch with them. Will also catch moles, rats, etc. Price 85c, with scoop for opening holes. Sold several hundreds of these traps the past season and they all gave fine satisfaction. Guaranteed to do the work or money back. Postpaid $1. State whether for moles or gophers.

OUT O'SIGHT MOLE TRAP

One of the best. Sure to "get them." Price $1.15, postpaid $1.30.

GOPHER GUNS

We have a safe and improved gun. Simple and easy to handle. Each $1.75, postpaid $1.90.

BARRELS AND KEGS

We carry a complete stock suitable for meat, fish, cider, vinegar, kraut, etc.

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<thead>
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<th>Size</th>
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<tbody>
<tr>
<td>5 gallon keg</td>
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SPRAY MATERIAL

We carry the largest stock of the most reliable spray materials in the city. You will find that our prices are the lowest that can be made on first class goods. You do not want to use anything but the best, as it is money thrown away to use poor spray material.

S-W Dry Powdered Arsenate of Lead. Realizing the advantages of a dry powder form of Arsenate of Lead over the bulky paste material the Sherwin-Williams Company has developed a product which represents without question the highest point of perfection in insecticide manufacture today. Sherwin-Williams Dry Powdered Arsenate of Lead is an exceedingly finely divided fluffy powder which is greater in bulk per given weight than any other powdered Arsenate of Lead on the market. This product stays in suspension almost indefinitely. S-W Dry Powdered Arsenate of Lead has maximum killing power, speedy action and unquestioned effectiveness in controlling all leaf eating and chewing insects. It can be
POULTRY, BEE AND SPRAY SUPPLIES

SPRAY MATERIAL—Continued

used with absolute safety to the fruit and foliage. This product is put up in sift proof impervious packages. Prices are as follows: ¼ lb. can 35c; lb. 65c; 5 lbs. $2.75; 25 lbs. $11. Subject to market changes. Cannot be sent by mail.

Sulphur and Lime Solution. We handle the Dependable brand of spray, and can recommend it very highly. It is sold to conform with the state laws, and is guaranteed to test as marked. For winter spraying use one gallon of spray to nine gallons of water. Ready for use. Prices, per barrel $9.75, with allowance of $1 for return of barrel in good shape.

Sherwin-Williams Dry Lime-Sulphur. Containing Other Compounds. General. For many years growers have been using liquid Lime Sulphur Solution. They are thoroughly familiar with its use and the results it will accomplish, and there is no question whatever regarding its efficiency as a spraying material. It is a conceded fact, however, that the use of liquid Lime Sulphur Solution carries with it many disadvantages. For instance, it weighs approximately six hundred pounds to the barrel; it is very disagreeable to handle; there is considerable waste when using it, and it cannot be carried over safely on account of leakage, danger of freezing, etc.

Up to this time insecticide manufacturers have never been successful in their efforts to produce an ACTUAL dry powdered Lime Sulphur Solution. There have been substitutes for Lime Sulphur Solution such as, for instance, sodium, barium and other elements in combination with sulphur, but never a dry powdered material which would accomplish the same results as the liquid Lime Sulphur Solution.

After some years of research work, our chemists have developed the only actual Dry Lime-Sulphur on the market. It is not a substitute for Lime Sulphur Solution, but it is the actual material in dry powdered form. In the process of manufacturing Sherwin-Williams Dry Lime Sulphur, we must first make up the liquid Lime Sulphur Solution, meeting Government requirements, then by our own special process the water is evaporated, leaving the Dry Lime-Sulphur in concentrated form, requiring only the addition of water to produce a spray possessing all of the well known virtues of the Lime Sulphur Solution. It is safe, therefore, for us to claim that our material is not a substitute for Lime Sulphur Solution, but an actual Lime Sulphur in dry powdered form which possesses all the advantages of Lime Sulphur Solution with none of its disadvantages.

Dry Lime-Sulphur is very simple to use. It goes into solution in water almost instantly and spraying operations can be started immediately. It is simply a case of dumping the desired amount of powder in the spray tank, filling the tank with water and spraying operations start.

Price, f. o. b. Salem, Oregon: 1 lb. can 25c; 5 lb. can $1, 10 lbs. $1.85; 25 lbs. $4; 100 lbs. $12.

SPRAY WITH "BLACK LEAF 40"

What "B. L. 40" Is. "Black Leaf 40" is a concentrated solution of nicotine sulphate, guaranteed under the National Insecticide Act to contain 40 per cent nicotine. When used according to directions it neither burns nor stains fruit or foliage. It is perfectly soluble in cold water and cannot clog the nozzles.

Combined Sprays. "Black Leaf 40" is being used in various districts in combination with such spray chemicals as Lime-Sulphur, Arsenate of Lead, Arsenate of Zinc, and Iron Sulphide for the control of sucking
SPRAY MATERIAL—Continued

insects, chewing insects and fungus diseases—three sprays at one application—a great saving of expense to all fruit growers. Investigations to date strongly indicate that "Black Leaf 40," in combination with Bordeaux mixture, may be used without injury in any case where Bordeaux alone can be used. Having no control over the preparation of other insecticides and fungicides, we do not "guarantee" combined sprays.

Black Leaf 40 is the best spray on the market for Green and Rosy Aphis, Plant Lice, and all soft bodied sucking insects.

Send for special circulars and directions for use. Prices are as follows, f. o. b. Salem, Oregon: 1 oz. 25c; ¼ lb. can 75c; 2 lb. can $2.50; 10 lb. can $10.75. Must be sent by freight or express. Cannot be sent by mail.

Whale Oil Soap. An excellent summer wash for Aphis, etc. Lb. 15c; 25 lbs. $3, postpaid 25c lb.; 100 lbs., market price.

Tobacco Powder for Dusting. For destruction of Green Fly, Aphis, etc., where fumes cannot be confined. 1 lb. 15c; 10 lbs. $1.25.

Sulphur. A good grade of sulphur for spraying, etc. Lb. 10c; 10 lbs. 50c; 100 lbs. $3.50.

Lime. The famous Roche Harbor Lime is the best grade on the market for all purposes. 10 lbs. 40c; 100 lbs. $2.50; barrel $3.25.

Bluestone. The best grade for spraying. Lb. 20c; 100 lbs. $1.50.

S-W Fungi-Bordo. This perfect Dry Bordeaux mixture is a dry powder which comes in sift proof, impervious packages. After mixing with water, this spray stays in suspension well, adheres to the foliage and will give more accurate and certain results than the haphazard home-made mixtures or the commercial paste Bordeaux mixtures. This product can also be used in combination with Paris Green, Arsenate or other insecticides with an extraordinary degree of safety. S-W Fungicide Bordo represents a new era in fungicide manufacture and we recommend it highly to all thinking growers and farmers. Comes in 1 and 5-lb. cartons, 10, 25 and 100-lb. sift proof drums, and in barrels. Prices are as follows, f. o. b. Salem, Oregon: 1 lb. 40c; 5 lbs. $1.50. Cannot be sent by mail. Prices subject to market changes.

Grafting Wax. ¼ lb. 15c, ½ lb. 25c, 1 lb. 40c, postage extra.

Beeswax. lb. 50c, postpaid 60c.

Rosin. lb. 10c, postpaid 20c; 10 lbs 75c, not postpaid.

FERTILIZERS

It has proven very profitable to use fertilizers and you can increase your crop very materially with its proper use.

Prices are still unsettled and we will be glad to quote you at any time you are ready to purchase. Write for prices on larger lots.

General Fertilizer. This is for all purposes, gardens, corn, kale, cabbage, etc. 100 lbs. $3.50.

Vegetable. Used more especially for potatoes, gardens, etc. 100 lbs. $3.50.

Fruit and Onion. For fruit trees, berries and onions, tomatoes, etc. 100 lbs. $3.75.

Lawn Fertilizer. This is used for lawns, flowers, shrubbery, etc. 10 lbs. 60c; 50 lbs. $2.50; 100 lbs. $4.

Plant Food. This is put up in small packages for house plants and is diluted with water when using. Pkg. 40c.
FERTILIZERS—Continued

Growmore Fertilizer. This is the highest grade fertilizer on the market. Used for lawns, flowers, house plants, sweet peas, etc. 2 lb. pkg. 35c, postpaid 45c; 25 lb. bag $2.35.

Nitrate of Soda. Used extensively for forcing, etc. lb. 15c; 10 lbs. $1.25; 100 lbs. market price.

Superphosphate. This is a concentrated form of phosphoric acid in a dry state. lb. 5c, postpaid 15c; 10 lbs 40c; 100 lbs. $2.25.

Bone Meal. Pure bone, finely ground is one of the best fertilizers. 10 lbs. 50c; 100 lbs. $4.

Land Plaster. Made from pure gypsum, free from clay and other foreign matter. Fine for vetch, clover, alfalfa, corn, beans, potatoes, etc. lb 5c, postpaid 15c; 100 lbs., market price.

READY-MIXED POULTRY FOODS

PRICES SUBJECT TO MARKET

The Standard Food for Poultry of All Ages, for All Purposes—Specially Mixed and Balanced Chick Food, Developing Food, Laying Food, Scratching Food, Analyzed and Tested.

In the following list of prepared poultry foods, we carry all the leading brands, including Golden Rod, Diamond, Fishers, etc.

Chick Food. This is the proper mixture to feed the young chicks. It is complete and will make your chicks grow in first class shape. 10 lbs. 60c; 50 lbs. $2.50; 100 lbs. $4.75.

Scratch Food. This is a mixture made especially for grown chickens and is a proper blending of different grains, meat scrap, oat groats, etc., to produce the best results. 10 lbs. 50c; 100 lbs. $4.15.

Laying Mash. A balanced ration, ready mixed for daily feed. A proper mixture to produce eggs and it certainly does the work. May be fed either as a mash feed or a dry mash. 10 lbs. 50c; 100 lbs. $3.75.

Developing Food. This is a dandy mixture to feed after the chicks are too large for chick food and before they are large enough for grain. 10 lbs. 50c; 100 lbs. $4.75.

Granulated Bone. Our bone is of the best quality and is something that should be kept before the chickens at all times. Best grade, 10 lbs. 50c; 100 lbs. $4.

Beef Scraps. This is one of the most valuable feeds on the market to bring results. It is a great egg producer and also fine for growing chicks. Best grade, 10 lbs. 85c; 100 lbs. $6.50.

Fish Scraps. This feed is becoming very popular and is fast taking the place of other meat feeds. 100 lb. sack $5.50.

Shells—Crushed. You should keep shells before your hens at all times. 10 lbs. 25c; 50 lbs. $1; 100 lbs. $1.75.

Grit. Should be kept before your poultry at all times, as they must have “teeth.” Our grit is good and hard, and is what they need. 10 lbs. 20c; 50 lbs. 65c; 100 lbs. $1.15.

Charcoal. Made especially for poultry. Two sizes, chick and hen. Lb. 15c; 10 lbs. 75c; 50 lbs. $2.50.

Poultry Pepper. Lb. 30c; by mail postpaid 40c.

Grain for Feed. We handle all kinds of grain—oats, corn, barley, either whole, rolled or cracked as wanted.
RAISE YOUR CALVES ON BLATCHFORD’S Calf MEAL AND SELL THE MILK

It would take a real big book to tell you of all the accomplishments of Blatchford’s Calf Meal. Blatchford’s Calf Meal is the only complete milk equal, having all the elements of whole milk and costing you less than the value of skim milk. It comes in 25, 50 and 100-pound bags and 100 pounds makes 100 gallons of complete milk-equal.

Now what’s to hinder you from selling all the milk you get and raising your calves at a great profit besides? You know what both beef and veal are worth. 25 lbs. $1.85; 50 lbs. $3.60; 100 lbs. $7.

POULTRY SUPPLIES

INCUBATOR AND BROODER SUPPLIES

Tested Incubator Thermometers. The best that we know of. Each 85c.

Brooder Thermometers. Tested. Each 50c.

Oil for Incubators and Brooders. We carry the best oil for this purpose. Prices, 5 gallon can $1.25; case, 10 gallons, $2.40; subject to market.


Lamp Wicks. Two for 5c; per dozen 20c, postpaid.

Folding Egg Boxes. The best crate made for shipping eggs to be used for hatching purposes. Well made and will stand lots of knocking about. 15-egg size 30c; 30-egg size 40c; 50-egg size 50c. Special prices in dozen lots.

Chick Boxes. These are well made chick boxes for shipping day-old chicks. They are well ventilated and chicks can be shipped anywhere in them. Used by all the poultry people that make a specialty of day-old chicks, as they find that the chicks arrive in better shape than when shipped in any other way. 25-chick size 25c; 50 chick size 40c; 100-chick size 50c. Special prices in dozen lots or more.

Buck 12-Dozen Egg Crate. Made of wood, cardboard fillers. Very light but strong; metal corners; holds 12 dozen eggs; lock wire bale; wooden handle. Weight 5 1/2 lbs. Each 60c.

Leg Bands. It pays to mark your chickens and keep track of the different stock, and also of the hens that lay. Several styles; send for list. Prices, doz. 15c; 25 for 25c; 50 for 45c; 100 for 75c.

Nest Eggs. Two for 5c; per dozen 25c.
POULTRY, BEE AND SPRAY SUPPLIES

POULTRY AND STOCK REMEDIES, TONICS, ETC.

LEE'S POULTRY SUPPLIES

Lee's Germozone. The great remedy for roup and colds. Liquid 60c a bottle. Tablets 60c pkg.; postpaid 65c.

Lee's Lice Killer. Liquid. This is the best selling article on the market. Qt. 50c; ½ gal. 75c; 1 gal. $1.25.

Lee's Lice Powder. A good powder, especially for small chicks. 25c; postpaid 35c.

Lee's Egg Maker. A favorite tonic for many poultrymen. 35c and 60c a pkg.; 25 lb. pail $3.50.

ZENOLEUM

The best disinfectant and germicide on the market. Recommended by all the Agricultural Colleges. Mix with water. Qt. can 60c; ½ gal. $1; gal. $1.75.

Zenoleum Lice Powder. A strong lice powder that every one says does the work. 25c pkg.; postpaid 35c.

CYPFER'S LICE POWDERS

One of the best lice powders to use on small chicks, as it will not burn like some kinds do. 25c pkg.; postpaid 35c.

DR. HESS' FAMOUS REMEDIES

Dr. Hess' Stock Tonic. 2 lbs. 25c; 4½ lbs. 50c; 10 lbs. $1; 25 lb. pail $2.50.

Poultry Pan-a-ce-a. 1½ lbs. 25c; 7 lbs. $1; 25 lb. pail $3.50.

Instant Louse Killer. Lb. pkg. 25c; postpaid 35c.

Dr. Hess' Heave Powders. This is a great remedy for heaves and if taken in time will cure. Pkg. 50c; postpaid 60c.

Dr. Hess' Worm Powders. One of the best remedies we have ever sold. Pkg. 50c; postpaid 60c.

Dr. Hess' Hog Worm Powders. This is certainly a good remedy for worms in hogs and does the work. 10 lbs. $1.25.

Dr. Hess' Dip and Disinfectant. Lice Killer. This can be used as a dip or as a lice killer and is a first class article in every way. Qt. 60c; ½ gal. 90c.

DAIRY ASSOCIATION GOODS

This is the best line of dairy remedies sold on the market and those who use any of their goods always continue to do so.

Kow Kure. This is the best known cow remedy on the market and it pays to use it. 60c and $1.20 a can; postpaid 75c and $1.30.

Garget Cure. A sure cure for garget. 60c a pkg.; postpaid 70c.

Bag Balm. This is a great salve for udder troubles, caked bags, etc. 60c a can; postpaid 70c.
POULTRY AND STOCK REMEDIES—Continued

STANDARD CARBOLINEUM

Used as a wood preserver and as a lice killer. Lasts a long time. Qt. 50c; ½ gal. 85c; 1 gal. $1.50.

FLY SPRAYS

So-Boss-So. This is one of the best things we have ever sold. It keeps them off. Gal. $1.50.

Conkey's. We first introduced this several years ago and it gives the very best of results. One of the best fly sprays we have handled. Qt. 60c; ½ gal. 90c; 1 gal. $1.50.

"OCULUM"

Scientific remedy and preventive for cholera, roup, white diarrhea and sore head; also cure for gapes. Inoculation for fowls is a new discovery. Oculum is a sure cure for cholera, roup, white diarrhea and sore head in fowls. It is also a preventive of these diseases. Inoculate your fowls with Oculum and they will be healthy. The deadly germ of cholera and white diarrhea is in the egg. The chick when hatched is a candidate for early death. Two sizes, $1 and 50c.

CARCO VEGETABLE SPRAY

For many years the gardeners of the Pacific Coast have suffered from a scourge of root-maggots and worms that has made gardening, if not impossible, much more unprofitable than it should have been. Many remedies have been tried with little success until the "Carco" formula was discovered.

A wonderfully successful spray for destroying root maggots, grubs, etc., that infest Turnips, Radishes, Beets, Rutabagas, Cauliflower, Cabbage, Onions, etc., and also recommended for combatting crown borers in Strawberries. To get best results, the ground should be sprayed freely before planting, then again as soon as the vegetables come up. Dip cabbage plants in a solution of "Carco" before planting. "Carco" is highly concentrated; use 1 part "Carco" to 100 to 125 parts of water. Descriptive pamphlet and testimonials on request. Prices, ½ pint cans prepaid 40c; larger sizes by freight or express only; ½ pints 30c; pints 50c; quarts 75c.

COLD WATER PAINT

Phenola. A cold-water disinfecting, white paint. It looks better and will outlast whitewash. Paint or spray it on any surface. For poultry houses, barns, public buildings, cellars, dairies, etc. Takes the place of paint and disinfectant. Easier to use, quicker and much cheaper. Use 1 to 2 lbs. to a gallon of water, enough to cover 200 to 300 square feet. Descriptive pamphlet on request. Price, 1 lb. can 30c; 5 lb. can $1.20, postage extra. Quantity price on request.

FLOUR DEPARTMENT—We carry the leading brands of Hard Wheat and Valley Flours, including Whole Wheat Flour, Graham Flour, Corn Meal, Rolled Oats, Germea, Farina, etc. You will always find our prices the lowest in the city.
SPRAYS

No. 7 Single Tube Sprayer. Practical, simple construction. The single brass discharge tube throws a heavy mist spray straight ahead. Made in tin and galvanized iron. Air chamber 18 x 1 ⅛ inches. The reservoir holds about one quart. Each 75c.

No. 2 Single Tube Sprayer. Has an extra large air chamber, throwing spray with more force over greater area. Extending the cone-shaped end through the double-seamed reservoir gives strength, rigidity and durability. Air chamber 22 x 1 ⅛ inches. Reservoir holds one quart. Made in tin. Each 90c.

No. 19 Glass Double Tube Sprayer. Straight-end air chamber. The reservoir is a Mason (quart) fruit jar, and may be easily replaced if it is broken. Funnel-shaped, easily filled, screw cap, with cork stopper. Body of sprayer is nicely painted. Very substantial, neat and attractive. Especially adapted for home use. Air chamber 18 x 1 ½ inches. Reservoir holds one quart. Each $1.

We Want More Than Trial Orders—That's Why We Always Aim to Please.
Quality Is First With Us—Always Was—Always Will Be.
LACTEIN

Makes Hens Lay — Makes Hogs Pay

Condensed Buttermilk

Lactein is a scientific product produced under perfect sanitary conditions from fresh buttermilk and whey at the creameries, cheese and casein factories of California.

Lactein is buttermilk and whey without the water. Lactein retains all the health-giving values and a uniform acidity without the useless bulk of water encountered in either whey or buttermilk and will keep pure and fresh under any condition or in any climate for any length of time.

Lactic Acid is a tonic. For years the greatest poultry experts in the world have recognized the value of sour milk as a food tonic—a regulator for poultry, but when they have undertaken to use raw buttermilk have run up against objections which more than offset the many advantages for its use in poultry feeding. In the main these objections were the excessive cost, inconvenience, trouble and expense of handling and the poor keeping qualities. Lactein eliminates every objection to the use of raw buttermilk and reduces the cost to a mere trifle.

For Poultry.—It will positively increase the egg production from 10 to 30 per cent. It will make your flock healthy and vigorous. It will prevent the many distressing diseases known to poultry. It will cut your losses 90 per cent in baby chicks. It will aid digestion, improve the appetite and increase assimilation. Any chicken raiser who will feed Lactein as directed for 30 days will thereafter never be without it.

For Pigs and Hogs.—It will keep the hogs strong and healthy. It not only keeps the digestive tract free from putrifying bacteria, but it promotes the growth of acid-forming bacteria and maintains a normal digestion, thereby making disease impossible. It is of great value as a muscle and bone builder, and especially for young pigs and brood sows. It is high in Lactic Acid, the best appetizing agent known.

It is real buttermilk super-soured and condensed, and when used as directed, we guarantee results or return what you have paid.

Directions for Feeding. First 10 days, 5 tablespoons to a gallon or 1 gallon to 50 gallons of water; later 1 to 40 and 1 to 30. Full instruction on each container.

Prices, 50 gal. $31.20; 5 gal. $4.

BLUE LABEL SLUG DESTROYER

Kills slugs and keeps them away from young plants. Not harmful to delicate foliage. For Sweet Peas, Pansies and all garden truck, sprinkle lightly on and around the plant. Price 25c.
## WEIGHTS OF VARIOUS ARTICLES PER BUSHEL

<table>
<thead>
<tr>
<th>Lbs.</th>
<th>Lbs.</th>
<th>Lbs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flax Seed</td>
<td>Peas, Smooth</td>
<td>Wheat</td>
</tr>
<tr>
<td>56</td>
<td>60</td>
<td>60</td>
</tr>
<tr>
<td>Charcoal</td>
<td>Peach Pits</td>
<td>Vetches</td>
</tr>
<tr>
<td>22</td>
<td>48</td>
<td>70</td>
</tr>
<tr>
<td>Corn, Shelled</td>
<td>Orchard Grass</td>
<td>Timothy</td>
</tr>
<tr>
<td>56</td>
<td>14</td>
<td>45</td>
</tr>
<tr>
<td>Clover Seed</td>
<td>Onion Sets</td>
<td>Speltz</td>
</tr>
<tr>
<td>60</td>
<td>32</td>
<td>40</td>
</tr>
<tr>
<td>Cheat</td>
<td>Oats</td>
<td>Red Top, solid seed</td>
</tr>
<tr>
<td>32</td>
<td>32</td>
<td>42</td>
</tr>
<tr>
<td>Canary Seed</td>
<td>Millet</td>
<td>Red Top</td>
</tr>
<tr>
<td>60</td>
<td>50</td>
<td>14</td>
</tr>
<tr>
<td>Blue Grass—</td>
<td>Meadow Fescue</td>
<td>Rye</td>
</tr>
<tr>
<td>English</td>
<td>24</td>
<td>56</td>
</tr>
<tr>
<td>Kentucky</td>
<td>Lawn Grass</td>
<td>Rape</td>
</tr>
<tr>
<td>14</td>
<td>20</td>
<td>60</td>
</tr>
<tr>
<td>Buckwheat</td>
<td>Hungarian</td>
<td>Perennial Rye</td>
</tr>
<tr>
<td>48</td>
<td>48</td>
<td>20</td>
</tr>
<tr>
<td>Beans</td>
<td>Hemp Seed</td>
<td>Peas, Wrinkled</td>
</tr>
<tr>
<td>60</td>
<td>14</td>
<td>56</td>
</tr>
<tr>
<td>Barley</td>
<td>Grass Seed (unless otherwise stated)</td>
<td>Potatoes</td>
</tr>
<tr>
<td>48</td>
<td>14</td>
<td>60</td>
</tr>
</tbody>
</table>

## QUANTITY OF SEED TO PRODUCE A GIVEN NUMBER OF PLANTS AND SOW AN ACRE

<table>
<thead>
<tr>
<th>Per Acre</th>
<th>Per Acre</th>
</tr>
</thead>
<tbody>
<tr>
<td>Artichoke, 1 oz to 500 plants</td>
<td>6 oz</td>
</tr>
<tr>
<td>Asparagus, 1 oz to 800 plants</td>
<td>1 lb</td>
</tr>
<tr>
<td>Asparagus roots</td>
<td>5000 to 10,000</td>
</tr>
<tr>
<td>2 to 2 1/2 bu Beans, dwarf, 1 lb to 100 ft drill</td>
<td>1 bu</td>
</tr>
<tr>
<td>Beans, pole, 1 lb to 100 hills</td>
<td>1/2 bu</td>
</tr>
<tr>
<td>Beet, garden, 1 oz to 100 ft drill</td>
<td>7 lb</td>
</tr>
<tr>
<td>Beet, Mangel, 1 oz to 75 ft drill</td>
<td>5 lb</td>
</tr>
<tr>
<td>Broccoli, 1 oz to 2000 plants</td>
<td>4 oz</td>
</tr>
<tr>
<td>Brussels Sprouts, 1 oz to 200 plants</td>
<td>4 oz</td>
</tr>
<tr>
<td>Broom corn, in drills</td>
<td>15 lb</td>
</tr>
<tr>
<td>Buckwheat</td>
<td>1/2 to 1 bu</td>
</tr>
<tr>
<td>Cabbage, 1 oz to 2000 plants</td>
<td>4 oz</td>
</tr>
<tr>
<td>Carrot, 1/2 oz to 100 ft of drill</td>
<td>3 lb</td>
</tr>
<tr>
<td>Cauliflower, 1 oz to 3000 plants</td>
<td>3 oz</td>
</tr>
<tr>
<td>Celery, 1 oz to 5000 plants</td>
<td>4 oz</td>
</tr>
<tr>
<td>Cheese</td>
<td>2 bu</td>
</tr>
<tr>
<td>Chicory</td>
<td>4 bu</td>
</tr>
<tr>
<td>Clover, Alsike and White</td>
<td>8 to 10 lb</td>
</tr>
<tr>
<td>Clover, Alfalfa</td>
<td>15 to 20 lb</td>
</tr>
<tr>
<td>Clover, Crimson Trefoli</td>
<td>10 to 15 lb</td>
</tr>
<tr>
<td>Clover, Red</td>
<td>10 to 12 lb</td>
</tr>
<tr>
<td>Collards, 1 oz to 2000 plants</td>
<td>4 oz</td>
</tr>
<tr>
<td>Corn, Pop (shelled)</td>
<td>8 to 10 lb</td>
</tr>
<tr>
<td>Corn, Sweet or Field, hills 12 to 20 lb</td>
<td>2 bu</td>
</tr>
<tr>
<td>Corn, for sowing, drills</td>
<td>2 bu</td>
</tr>
<tr>
<td>Cress, 3/4 oz to 100 ft of drill</td>
<td>1 lb</td>
</tr>
<tr>
<td>Cucumbers, 1 oz to 100 hills</td>
<td>2 to 3 lb</td>
</tr>
<tr>
<td>Egg Plant, 1 oz to 2000 plants</td>
<td>4 oz</td>
</tr>
<tr>
<td>Endive, 1/4 oz to 100 ft drill</td>
<td>4 lb</td>
</tr>
<tr>
<td>Flax, broadcast</td>
<td>1/2 bu</td>
</tr>
<tr>
<td>Grass, Blue, Kentucky</td>
<td>2 bu</td>
</tr>
<tr>
<td>Grass, Meadow, Fescue</td>
<td>1 bu</td>
</tr>
<tr>
<td>Grass, Mixed Lawn</td>
<td>5 to 6 bu</td>
</tr>
<tr>
<td>Grass, Red Top, chaff</td>
<td>2 bu</td>
</tr>
<tr>
<td>Grass, Red Top, solid seed</td>
<td>12 to 15 lb</td>
</tr>
<tr>
<td>Grass, Timothy</td>
<td>12 to 15 lb</td>
</tr>
<tr>
<td>Grass, Orchard, Perennial Rye, Fowl Meadow, Wood Meadow</td>
<td>20 lb</td>
</tr>
<tr>
<td>Horseradish roots</td>
<td>10,000 to 15,000</td>
</tr>
<tr>
<td>Kale, 1 oz to 2000 plants</td>
<td>2 oz</td>
</tr>
<tr>
<td>Kaffir Corn, in drills</td>
<td>6 to 8 lb</td>
</tr>
<tr>
<td>Kohl Rabi, 1 oz to 2000 plants</td>
<td>4 oz</td>
</tr>
<tr>
<td>Leek, 1 oz to 100 ft of drill</td>
<td>4 lb</td>
</tr>
<tr>
<td>Lettuce, 1 oz to 150 ft of drill</td>
<td>3 lb</td>
</tr>
<tr>
<td>Millet, for seed</td>
<td>20 lb</td>
</tr>
<tr>
<td>Millet, for hay</td>
<td>30 lb</td>
</tr>
<tr>
<td>Melon, Musk, 2 oz to 100 hills</td>
<td>2 to 3 lb</td>
</tr>
<tr>
<td>Melon, Water, 4 oz to 100 hills</td>
<td>3 to 4 lb</td>
</tr>
<tr>
<td>Oats</td>
<td>2 to 3 lb</td>
</tr>
<tr>
<td>Okra, 1 oz to 100 ft of drill</td>
<td>8 lb</td>
</tr>
<tr>
<td>Onion Seed, for sets</td>
<td>60 to 85 lb</td>
</tr>
<tr>
<td>Onion, 1 oz to 150 ft drill</td>
<td>3 to 4 lb</td>
</tr>
<tr>
<td>Onion Set, 1 qt to 40 ft drill</td>
<td>8 lb</td>
</tr>
<tr>
<td>Parsnips, 1 oz to 150 drill</td>
<td>3 lb</td>
</tr>
<tr>
<td>Parsley, 1 oz to 150 drill</td>
<td>3 lb</td>
</tr>
<tr>
<td>Peas, Field</td>
<td>2 bu</td>
</tr>
<tr>
<td>Peas, Garden, 1 lb to 100 ft of drill</td>
<td>1 to 2 bu</td>
</tr>
<tr>
<td>Pepper</td>
<td>1 oz to 1000 plants</td>
</tr>
<tr>
<td>Pumpkin, 1/2 lb to 100 hills</td>
<td>3 to 4 lb</td>
</tr>
<tr>
<td>Radish, 1 oz to 100 ft drill</td>
<td>10 lb</td>
</tr>
<tr>
<td>Rape</td>
<td>3 to 8 lb</td>
</tr>
<tr>
<td>Rye</td>
<td>1 1/2 to 2 bu</td>
</tr>
<tr>
<td>Salsify, 1 oz to 100 ft drill</td>
<td>6 lb</td>
</tr>
<tr>
<td>Speltz</td>
<td>109 lb</td>
</tr>
<tr>
<td>Spinach, 1 oz to 100 ft drill</td>
<td>8 lb</td>
</tr>
<tr>
<td>Sugar Cane, in drills</td>
<td>10 lb</td>
</tr>
<tr>
<td>Sunflower</td>
<td>8 lb</td>
</tr>
<tr>
<td>Squash, Summer, 4 oz to 100 hills</td>
<td>3 lb</td>
</tr>
<tr>
<td>Squash, Winter, 8 oz to 100 hills</td>
<td>4 lb</td>
</tr>
<tr>
<td>Tomato, 1 oz to 2000 plants</td>
<td>4 oz</td>
</tr>
<tr>
<td>Tobacco, 1 oz to 4000 plants</td>
<td>3 oz</td>
</tr>
<tr>
<td>Turnip, 1 oz to 150 ft drill</td>
<td>2 to 3 lb</td>
</tr>
<tr>
<td>Vetch</td>
<td>1 1/2 to 2 bu</td>
</tr>
<tr>
<td>Vetch with grain</td>
<td>2 bu</td>
</tr>
</tbody>
</table>
BROODERS AND INCUBATORS

We Handle the Queen and Buckeye Incubators and Brooders

SEND FOR SPECIAL CATALOGUES

RAISE MORE POULTRY
SAVE MEAT