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6223
1933

MAGNOLIA

SEED CO.

POULTRY SUPPLY
HEADQUARTERS

945 S. LAMAR STREET

FIELD-FLOWER
and GARDEN SEEDS

DALLAS, TEXAS

PORTABLE
SEED TRIALS
HORTICULTURE

JAN 26 1933

GLADIOLUS

This year we are offering some of the finest Gladioli that we have ever had. The growers of California are offering Glads of wonderful varieties at prices previously unheard-of and some of the very best types are now available. We have changed our listings materially and are offering first grade bulbs of most unusual and striking varieties. We urge an especial consideration of the selections offered.

ORANGE QUEEN—A beautiful deep bright orange. One of the loveliest tints of all gladioli. Every florist should plant some of these. It grows splendid strong bulbs and is one of the finest of the exhibition gladioli. Prices: 1/2 doz. 40c; doz. 75c; 100 \$3.50; postpaid.

BETTY NUTHALL—Warm coral pink with pale yellow throat, orange tinted. Tall straight spike with from 7 to 10 large flowers open in perfect placement. Does well everywhere. This is a fine bulb grower and propagator. It blooms rather late. Prices: 1/2 doz. 80c; doz. \$1.50; 100 \$7.00; postpaid.

BERTY SNOW—One of the handsomest of the lavenders. This is a flower that everyone should have in their Glad bed. It produces beautiful spikes of a gorgeous orchid coloring. Prices: 1/2 doz. 80c; doz. \$1.50; 100 \$7.00; postpaid.

CORYPHEE—Very beautiful light shell pink with white throat that wins everybody on sight. Many of the flowers open at the same time. This has proven to be a wonderful show flower. Prices: 1/2 doz. 80c; doz. \$1.50; 100 \$7.00; postpaid.

DR. F. E. BENNETT—This is one of the finest of Glads. A type of which the florists cannot get enough. It is a fiery scarlet, extremely brilliant, many of the flowers open at one time, and buds are in color. Prices: 1/2 doz. 40c; doz. 75c; 100 \$3.50; postpaid.

MRS. LEON DOUGLAS—A giant begonia rose makes one of the largest and heaviest spikes. Unquestionably a winner in exhibition or florist work. Will open as many as 9 flowers at a time. Prices: 1/2 doz. 40c; doz. 75c; 100 \$3.50; postpaid.

HELEN WILLS—A tall, large flowered, creamy white with a deeper cream throat. This is a very attractive Glad, especially good for home markets. Prices: 1/2 doz. 40c; doz. 75c; 100 \$3.50; postpaid.

MRS. FRANK PENDLETON—This Glad has been a favorite for many years. It is a good heavy blotched pink. A very strong bulb and one for which too much cannot be said. Prices: 1/2 doz. 40c; doz. 75c; 100 \$3.50; postpaid.

SOUVENIR—A deep clear yellow that flowers splendidly and is sure to bloom. Very prolific and good for shipping, and it blooms quite early. Prices: 1/2 doz. 40c; doz. 75c; 100 \$3.50; postpaid.

MRS. VAN KONYNENBURG—A tall, clear, light violet blue. A good grower, tall and strong with 6 to 7 flowers open at a time. This is probably the best of the blues. Prices: 1/2 doz. 80c; doz. \$1.50; 100 \$7.00; postpaid.

Orange Queen.

Large Flowering Cannas

Our cannas are perhaps the most showy of all flowers, and in addition among the most hardy. They multiply rapidly and the dwarf and tall varieties are equally popular.

NAMED VARIETIES:

	Each	Dozen	Postpaid 100
HUNGARIA —The best true pink, about 3 feet.....	\$.15	\$1.35	\$7.50
KING HUMBERT —Bright orange-scarlet.....	.10	1.00	6.00
YELLOW KING HUMBERT —Rich yellow, blotched red	.10	1.00	6.00
PRESIDENT —Beautiful, vivid scarlet red.....	.15	1.35	7.50
DWARF VARIETIES —Pink, red or yellow.....	.10	1.00	6.00

Caladiums

More popularly known as "Elephant Ears", which aptly describes their huge, green leaves. They make a splendid background for other shrubby and flowers. Small bulbs 20c; medium sized bulbs 25c; large bulbs 50c; postpaid.

Tuberoses

Our single Mexican tuberoses grow very readily in the South. They have a most beautiful wax-like flower of heavy fragrance. Bulbs should be dug in the fall and separated before replanting in the spring. 2 for 15c; 50c per dozen; \$3.00 per 100; postpaid.

SPECIAL SELECTIONS

SELECTION NO. 1—One each of the above varieties (10) bulbs, 95c; postpaid.

SELECTION NO. 2—Three each of Alice Iplady, Dr. F. E. Bennett, Giant Nymph, Souvenir, Helen Wills, Mrs. Frank Pendleton, and two each of Betty Nuthall, Bertie Snow, Coryphee and Mrs. Van Konynenburg, \$1.95; postpaid.

SELECTION NO. 3—Five each of the above named varieties (total of 50 bulbs), \$2.50; postpaid.

SELECTION NO. 4—Ten each of the above varieties (total of 100 bulbs), \$4.25; postpaid.

1933 Messages to Our Good Friends and Customers

Mrs. Housewife:

The greatest assistance any home woman can be to the success of her husband is in economical home management and home beautification.

Economical home management includes the raising of a vegetable garden of sufficient size, that not alone will there be ample fresh vegetables in season, but that a winter canned supply may be available.

Under conditions which prevailed several years ago canning was well on the way to being a lost art, but **today** a woman can often save as much as her husband can make.

Home beautification is not expensive. Popular varieties of hardy annual and perennial flowers are easy to grow. The universal need for peace is met in beautiful yards. One or two pounds of grass seed will plant the average lawn at a cost of 30c per pound. Twelve packets of flower seeds, at a cost of \$1.00, carefully selected, will produce sufficient flowers that not only your yard, but your home may be beautified with cut flowers.

We have attempted to give in this catalog complete information as to varieties so that you may select those best adapted for your purposes. If there is any additional information you desire, please do not hesitate to write for it.

Sincerely yours,

Alvin Everett

Mr. Market Gardener:

We want to take this opportunity to thank you for the very fine business you have given us in the past, and the good business that we know we shall receive this year as a result of your experience with our seeds.

We make a particular study of the needs of the Market Gardeners in the territory we serve. Our varieties of seeds are purchased from those growers who cooperate with us in breeding seeds to produce under our soil and climatic conditions.

There is nothing more necessary to the success of any gardener for commercial markets, as you know, than the production of vegetables that will grade right. Among the most successful truckers we have known are invariably those who grade their own vegetables. Such gardeners usually have a market in advance for their production, which commands the highest prices, because of its quality.

SQUARE BRAND SEEDS are selected to produce that high grade quality. That it takes favorable soil and climatic conditions, and above all proper cultivation is undeniably true. Given these essentials, Square Brand Seeds will produce for you the highest possible yield of marketable crops.

If you are a commercial grower, buying seeds in commercial quantities, write us for our larger quantity list, and come to see us when you are in Dallas.

Yours very truly,

H. R. Spicer

Mr. and Mrs. Poultryman:

Of all the messages we give this year, we feel that the one to you is the most cheerful.

Those of you who were wise enough to hold your production of 1932 to its usual status have made money this fall. Those of you whose production is not up to normal, still have had the opportunity to more than make a living, because eggs are bringing the highest price of any commodity on the market today, much higher than feed costs justify.

Equipping your flock properly for 1933 should be profitable to you. MAGNOLIA poultry supplies will insure **right** equipment for the section in which you live, and the probability of more efficient and economical management.

Proper housing, and poultry comfort result in increased egg production. The equipment listed in this catalog is selected to meet the requirements of this territory, and we offer it with the positive guaranty that every piece will perform its service as described.

Poultry sanitation and poultry health are linked so closely that we cannot think of one without the other. In the selection of remedies, sanitation and pest controls, we unhesitatingly state that those offered in this catalog are the very best that the market affords. Before offering remedies to you they are carefully tested and proven to produce the results that are claimed for them. We have always maintained that there are but four essentials to poultry health and we still believe this to be true, namely: a lice control, a mite control, a germ and sanitation control and a worm control. These four points are the start of poultry diseases. All of them may be prevented through the use of products described in this catalog. You will find preventive measures much more economical than curative.

We thank you for your past and future business and assure you that your orders will always have our careful and prompt attention.

Very truly yours,

A. V. Lawrence

Mr. and Mrs. Farmer:

I have given a great deal of thought to my message to you, trying to develop some ideas or plans that might enable you, and ourselves, to make 1933 a happy and profitable year.

In our offerings of seeds in this catalog, I truly believe that the quality, and yields possible from Square Brand Seeds will make you happy. Whether you can make them profitable, only the passing of the year itself can determine.

While our nation is over-producing, the solution of our problem, as I see it, is not in cutting down production, but rather in increasing variety of production—increasing it to the point where every possible home need is covered, both for human and animal consumption, the animals being later convertible into human food.

Last year, due to the low cost of eggs, little attention was given to our poultry, resulting in a shortage of eggs in the latter part of 1932 that has made the price of eggs entirely out of line with other food costs. We need more poultry.

In conclusion I urge the fact that in buying your seeds, and merchandise, it will not pay you to buy the cheapest on the market. Cheap seeds are rarely good seeds. Square Brand Seeds are selected for their quality primarily. Their prices are always in line with their cost of production. The same is true of other merchandise offered by us. Our first thought has been to offer merchandise which will do what you want it to do and then see that the price is fair and right. Our prices are guaranteed against decline, and should there be any reduction in price a refund will be made to you at the time your order is shipped.

We sincerely believe our offerings will assist you to make 1933 happy and profitable, and we take this opportunity of thanking you for your past and future business.

Most sincerely yours,

H. E. Bartheloon

WEEKLY RADIO TALKS

The rapid changes in life today make us want to talk with you regularly. We want to tell you of new and better methods of production—of improved markets—and we want to bring to you the advantage of any bargains we are able to secure for you.

A careful check among numerous of our customers has indicated that this can best be done by

Radio—over Station WRR, Dallas. Tune in every Sunday evening, at 6:45 during the winter and 7:45 during the summer, and hear our messages through the Square Brand Seed Boys.

REMEMBER: STATION WRR, DALLAS—SUNDAY EVENING AT 6:45 DURING WINTER AND SPRING, AND 7:45 DURING THE SUMMER.

May All of You Have A Happy, and Prosperous 1933!

INDEX

A	Chigger Chaser and	Grit and Shell Boxes .55	Nitragin .42	Seeders .12-42
Alfalfa .38	Choke .44	Grohoma .41	Number-All Stamps .61	Seeds, Bird .47
Algeria .41	Clover .38			Semesan .24-34-42
Antrol .45	Cod Liver Oil .62	H		Shallu .41
Artichoke .4-24	Collards .8	Hatchery Supplies .59		Show Bands .48
Asparagus .4	Coop Cups .61	Heaters .50-58	O	Snarol .45
Auto Coop .61	Coops .61	Heating Elements .61	Oats .36	Sodium Chlorate .42
	Corn, Field .34	Hegari .40	Oat Sprouter .60	Sodium Fluoride .64
B	Corn, Sweet .9	Herbs .24	Okra .13	Sorghum .40-41
Barley .36	Cow Peas .35-37	Hess & Clark Reme- dies .63	Oyster Shell .60	Spinach .21
Barnes Emulsion .62	Crow Repellent .34	Hoe .12		Sprayers .43
Barnes Remedies .63	Crystol Cloth .58	Horseradish .24		Squash .19
Batteries .52-53	Cucumbers .10	Hotkaps .22		Staplers .59
Beans, Field .35		Humidiguide .49	P	Star Parasite Remover 63
Beans, Garden .4-5-6	D	Hygrometer .49	Parinox .64	Sterilac .64
Beets .6	Darso .41		Parsley .18	Sulphur .62
Beets, Sugar .11	Derrisol .45	I	Parsnips .18	Sunflower .37
Bermuda Grass .39-40	Disinfectants .42-63-64	Incubator Supplies .49	Peas, Cow .35-37	
Bird Supplies .46-47	Dusters .43	Insecticides .44-45	Peas, English .17	T
Birds .46-47			Pepper .18	Tacker .59
B-K .63	E	J	Pigeon Bands .48	Temperature Alarm .59
Black Leaf 40 .45-64	Egg Boxes and Cases .60	Jahnke's Poultry Powder .62	Planter .12	Thermometers .49
Boxes, Chick .59	Egg Farm Supplies .60		Planting Table .3-25	Thermostats .49
Boxes, Egg .60	Egg Plant .10	K	Plants, Flowers .25	Tobacco Dust .62
Broccoli .6	Egg Scales and Stamps 60	Kafir .41	Pop Corn .9	Toe Pick Remedy .62
Broom Corn .36	Egyptian Wheat .41	Kale .11	Potatoes .24	Tomatoes .21-22
Brooder Supplies .49	Endive .11	Kohl Rabi .11	Pruning Compound .42	Trap Nest Fronts .48
Brooders .50-51-52-53-54	Epsom Salts .62		Pulvex .62	Tree Tanglefoot .44
Bulbs, Flower .Front	Evergreen .44	L	Pumpkins .19	Troughs .55-56-57
and Back Cover		Lamps .49	Pumps .43	Turnips .23
C	F	Lawn Grasses .39-40	Punches, Poultry .48	Twine .59
Cabbage .7	Feeders .55-56-58	Leek .11	Putnam Brooder Heater .50	
Cages and Stands .46	Fertilizer Distributors 42	Lee's Remedies .63		U
Cage Supplies .46	Feterita, Spur .40	Leg Bands .48	Radish .20	Udder Help .63
Cane .40	Field Seeds .34 to 41	Leg Band Stamp .61	Rape .37	
Cantaloupe .13-14	Flower Bulbs and Roots Front and Back Covers	Legear's Remedies .63	Rat Scent .45	V
Caponizing Instru- ments .60	Flower Seeds .25 to 33	Lettuce .12	Remedies, Bird .46	Vacuum Cleaner .61
Carbala .64	Fly Spray .44	Litter, Poultry .58	Remedies, Poultry .62-63-64	Ventilating Punch .59
Carbolineum (C-A Wood Preserver) .64	Founts .57-58		Roach Killer .44	Ventilating Strips .59
Carrots .8	G	Mangels .11	Rhubarb .24	Ventilators .61
Cauliflower .8	Garden Tools .12-42	Manish Hoppers .55-56	Roots, Vegetable .24	Vetch .37
C-A Wood Preserver .64	Germo Remedies .63	Millet .36	Russell's Remedies .63	Vigoro .42
Celery .8	Glass Cloth .58	Milo Maize .41	Rutabaga .23	
Cel-O-Glass .58	Gloves .20-41	Moisture Guide .49	Rye .36	W
Ceresan .42	Glue, Hatchery .59	Moto-Air .61		Walko Tablets .62
Charcoal .60	Grasses, Lawn .39-40	Muskmelons .13-14	S	Watermelon .15
Chick Boxes and Supplies .59	Grasses, Pasture .38-39	Mustard .13	Sagrain .41	Weed Killer .42
	Grass, Sudan .39		Salsify .21	Wheat .36
	Grit .60	N	Scales, Egg .60	Whiz .44
		Nest Eggs .60	Seed Disinfectants .42	Wing Bands .48
		Nests .48		Wind Wool .59

HOW TO ORDER

Sending Money: If your order amounts to more than 50c, send Postoffice or Express money order, cashier or certified check. If you send money with your order, your letter must be **REGISTERED**, as we will not assume responsibility if it is lost. Numbers of orders and letters, with money in them, are lost in ordinary mail yearly, and for that reason all letters and orders containing money should be sent by registered mail.

Stamps: On orders for seeds and supplies, where the amount is less than 50c, we will accept U. S. postage stamps in good condition, the same as cash, but it would be best to wrap them in oiled paper to prevent their sticking to the order. We will not assume any responsibility for their receipt and suggest you **REGISTER** your letter if you send stamps.

C. O. D. Notice: We will absolutely ship no plants or perishable goods C. O. D. We advise against C. O. D. shipments because of delays and high collection costs to our customers. We accept C. O. D. orders for seeds and supplies where 25 per cent of the amount of the order is sent with the order. This deposit covers collection and return charges in case the order is not called for and paid by the customer.

About Warranty: Magnolia Seed Company gives no warranty, express or implied, as to description, quality, productiveness or any other matter, of seeds, bulbs, plants or nursery

stock they send 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 to be returned at once and any money paid for them will be refunded. Crops are dependent for success or failure on so many things besides seed that it is impossible for us to give any warranty or guaranty. We have no control over the seed after they leave our house, especially as to planting, fertilizing, cultivation and other important factors which govern the success of the crop. **NO RESPONSIBLE SEEDSMAN GIVES ANY WARRANTY.**

We Pay Postage on all seeds and supplies listed in this catalog and marked "Prepaid."

You Pay Transportation Charges when your order calls for any seed or supplies that are marked "**Not prepaid,**" or "**F. O. B. Dallas.**" If your order is to be shipped parcel post, it will be necessary for you to send postage covering it as we do not send orders C. O. D. for postage, unless instructed to do so, since collection charges are very high. When postage is not sent, our shipping department cuts down the amount of merchandise ordered, to care for postage, or your order is delayed until we can write you. When your order is to come by express or freight, we can send it collect for transportation charges and you may pay such charges on delivery.

HOW TO FIGURE POSTAGE

Do not send stamps, but just add the amount for postage to the cost of the merchandise and include it in your remittance. We will return any money left over if you send too much.

If the total weight of the goods you are ordering is a fraction over a pound it will add a pound to the rate. Packages up to 8 ounces in weight are carried at the rate of 1½ cents for each 2 ounces or

fraction thereof, regardless of distance. For rates on packages over 8 ounces, see table below.

Within zones 1, 2 and 3, packages up to 70 pounds in weight are carried. The weight limit for all other zones is 50 pounds.

Explosives, Inflammable Articles, Poisons, and Articles measuring more than 84 inches, length and girth combined, cannot be shipped by parcel post, according to the United States postoffice rulings.

FOR ANY OTHER INFORMATION REGARDING RATES OR OTHER PARCEL POST MATTERS ASK YOUR POSTMASTER

PARCEL POST RATES

	ZONES 1 and 2 —Not over 150 miles from Dallas.	ZONE 3—151 to 300 miles from Dallas.	ZONE 4—301 to 600 miles from Dallas.	ZONE 5—601 to 1000 miles from Dallas.	ZONE 6—1001 to 1400 miles from Dallas.	ZONE 7—1401 to 1800 miles from Dallas.	ZONE 8—1801 miles and over from Dallas.
For weights over 8 oz. up to 1 pound the postage is	7 Cents	8 Cents	8 Cents	9 Cents	10 Cents	12 Cents	13 Cents
For each additional pound or fraction of a pound add	1 Cent	2 Cents	4 Cents	6 Cents	8 Cents	10 Cents	12 Cents

EXAMPLE—Your shipment weighs 8 pounds 5 ounces. You must figure postage on 9 pounds. If you live in the first or second zone from Dallas you would add 8 pounds at 1 cent per pound or 8 cents to the cost of the first pound, 7 cents, sending a total

of 15 cents for the 9 pounds. If you live in the second zone, you would need to send 8 cents for the first pound and 2 cents each for eight additional pounds or 24 cents; third zone would figure 40 cents, etc.

Plant Square Brand Hi-Germinating Seeds For Higher Yields of More Marketable Crops

Square Brand Vegetable Planting Table

Name of Vegetable	Seed for 50 feet of row	Distance Between Rows	Plants Apart In Row	Depth To Plant	TIME TO PLANT	READY TO USE
ARTICHOKE.	1 oz.	3 ft.	2 ft.	1 in.	Feb. and Mar.	6 months
ASPARAGUS ROOTS.	25-30.	3 ft.	1 1/2 ft.	6 to 8 in.	Feb. and Mar.	1 to 2 years
BEANS, Bush Snap and Lima.	1/4 lb.	2 ft.	3 in.	1 in.	Feb. to April; Aug. to Oct.	6 to 9 weeks
BEANS, Pole and Lima.	1/4 lb.	3 ft.	12 in.	1 in.	Mar. to May; Aug. to Oct.	8 to 12 weeks
BEETS	1 oz.	1 ft.	3 in.	1 in.	Mar. to May; Sept. and Oct.	6 to 11 weeks
BROCCOLI.	1/8 oz.	2 ft.	2 ft.	1/2 in.	Mar. and April.	3 to 4 months
CABBAGE, Early.	1/8 oz.	2 ft.	1 ft.	1/2 in.	Oct. to Dec.	3 to 4 months
CABBAGE, Late.	1/8 oz.	2 1/2 ft.	1 1/2 ft.	1/2 in.	June and July.	3 to 4 months
CABBAGE PLANTS.	50.	2 ft.	1 ft.	3 in.	Feb. to May; July to Sept.	2 1/2 to 3 months
CANTALOUPE.	1/2 oz.	4 ft.	Hills 3 ft.	1 in.	April to June.	3 months
CARROT.	1/2 oz.	1 ft.	2 in.	1/2 in.	Feb. to April; Aug. and Sept.	9 to 14 weeks
CAULIFLOWER.	1/8 oz.	2 ft.	1 ft.	1/2 in.	Feb. to April; Aug. and Sept.	3 to 4 months
CELERY.	1/8 oz.	2 ft.	6 in.	1/2 in.	Aug. to Oct.	4 to 5 months
COLLARDS.	1/4 oz.	20 in.	18 in.	10 in.	Sept. to May.	3 to 4 months
CORN, Sweet and Sugar.	1/2 lb.	2 ft.	2 to 3 ft.	2 in.	Feb. to April; July and Aug.	2 1/2 to 3 months
CORN, Pop.	1/4 lb.	3 ft.	1 ft.	1 in.	April to July.	3 to 3 1/2 months
CUCUMBERS.	1/4 oz.	4 ft.	3 ft.	1 in.	Mar. to May; Aug.	2 to 2 1/2 months
EGGPLANT.	1 pkt.	2 1/2 ft.	1 1/2 to 2 ft.	1/2 in.	Feb. to April.	3 to 4 months
EGGPLANT PLANTS.	25.	2 1/2 ft.	1 1/2 to 2 ft.	3 in.	Mar. to May.	2 to 3 months
ENDIVE.	1/2 oz.	1 1/2 ft.	6 in.	1/2 in.	Feb. to April; Aug.	3 months
HERBS.	2 pkts.	1 1/2 ft.	6 in.	1/2 in.	Mar. to May.	2 to 3 months
HORSE RADISH ROOTS.	50.	2 ft.	1 ft.	4 in.	Feb. and Mar.	1 to 2 years
KALE or BORECOLE.	1/2 oz.	15 in.	4 in.	1/2 in.	Oct. to Mar.	3 to 4 months
KOHLRABI.	1/2 oz.	15 in.	4 in.	1/2 in.	Sept. to Mar.	2 to 3 months
LEEK.	1/2 oz.	2 ft.	4 in.	1/2 in.	Mar. and April; Sept.	3 to 4 months
LETTUCE.	1/2 oz.	1 ft.	8 in.	1/2 in.	Sept. to Mar.	2 to 3 months
MUSTARD.	1 oz.	1 ft.	3 in.	1/2 in.	Feb. to May; July to Nov.	6 to 8 weeks
OKRA.	2 oz.	3 ft.	1 ft.	1 in.	Mar. to May.	3 to 4 months
ONION.	1/2 oz.	1 ft.	2 in.	1 in.	Sept. and Oct.; Mar. and April.	4 to 5 months
ONION PLANTS.	150.	15 in.	4 in.	2 in.	Jan. to May.	3 to 4 months
ONION SETS.	1 lb.	18 in.	3 in.	1 in.	Jan. to April; Aug. and Sept.	2 1/2 to 3 months
PARSLEY.	1/4 oz.	1 ft.	3 in.	1/2 in.	Mar. and April; Aug. and Sept.	3 to 4 months
PARSNIPS.	1/4 oz.	1 ft.	4 in.	1 in.	Feb. and Mar.; Sept.	4 to 5 months
PEAS.	1 lb.	2 ft.	2 in.	3 in.	Feb. and Mar.; Aug. to Oct.	6 to 9 weeks
PEPPER.	1 pkt.	2 ft.	1 1/2 ft.	1/2 in.	Mar. to June.	3 to 4 months
PEPPER PLANTS.	40-50.	18 in.	15 in.	3 in.	Mar. to June.	2 1/2 to 3 months
POTATOES, Irish.	4 lbs.	2 ft.	1 ft.	4 in.	Feb. to April; July and Aug.	3 months
POTATOES, Sweet, Plants.	30.	2 1/2 ft.	1 1/2 ft.	3 in.	Mar. to July.	4 to 5 months
PUMPKIN.	1/4 oz.	5 to 6 ft.	5 ft.	1 in.	April to June.	3 to 4 months
RADISH.	1 oz.	1 ft.	2 in.	1/2 in.	Sept. to May.	3 to 6 weeks
RHUBARB or PIE PLANT ROOTS.	25.	3 ft.	3 ft.	3 in.	Jan. to Mar.	1 to 2 years
RUTABAGA.	1/2 oz.	1 1/2 ft.	3 in.	1/2 in.	Feb. to May; July to Nov.	8 to 10 weeks
SALSIFY.	1/4 oz.	18 in.	2 in.	1/2 in.	Feb. to May.	4 to 5 months
SPINACH.	2 oz.	12 in.	1 in.	1 in.	Feb. to May; Aug. to Nov.	4 to 6 weeks
SWISS CHARD.	1 oz.	1 ft.	3 in.	1 in.	Mar. to May; Sept. and Oct.	6 to 11 weeks
SQUASH, Bush.	1/2 oz.	2 ft.	2 ft.	1 in.	Mar. to June.	2 to 2 1/2 months
SQUASH, Late.	1/4 oz.	3 ft.	3 ft.	1 in.	April to July.	3 to 4 1/2 months
TOMATO.	1 pkt.	3 ft.	2 1/2 ft.	1/2 in.	Dec. to Mar.	3 to 4 months
TOMATO PLANTS.	25 to 30.	2 ft.	1 1/2 ft.	3 in.	April and May.	3 months
TURNIPS.	1/2 oz.	1 1/2 ft.	3 in.	1/2 in.	Feb. to May; July to Nov.	8 to 10 weeks
WATERMELON.	1/4 oz.	6 ft.	6 ft.	1 in.	Mar. to May.	4 to 5 months

Field Seed Planting Calendar

	Time to Plant	Seed Per Acre	Wt. Per Bushel
ALFALFA.	September-November-March-May.	15 to 20 pounds.	60 pounds
ALGERIA.	March, April to June.	5 to 8 pounds.	50 pounds
BARLEY, Winter Spring.	August-November, February-March.	1 to 1 1/2 bushel.	48 pounds
BEANS, Mammoth Soy.	April to June.	15 to 30 pounds.	60 pounds
BEANS, Small Soy.	April to June.	6 to 15 pounds.	60 pounds
BEANS, Velvet.	April to June.	15 to 30 pounds.	60 pounds
BROOM CORN.	May to June.	6 to 8 pounds.	46 pounds
BUCKWHEAT.	March to April.	48 pounds.	48 pounds
CLOVER, Sweet.	February-April, September-October.	20 pounds.	60 pounds
CLOVER, Bur.	July to November.	40 pounds.	30 pounds
CORN, Field.	March to July.	7 to 8 pounds.	56 pounds
COTTON SEED.	March to May.	1/2 to 1 bushel.	32 pounds
DARSO, Drilled.	March to August.	5 to 8 pounds.	50 pounds
EGYPTIAN WHEAT.	March to May.	5 to 8 pounds.	50 pounds
FETERITA.	March to June.	6 to 10 pounds.	50 pounds
GRASS, Bermuda.	March to May.	5 to 8 pounds.	15 pounds
GRASS, Sudan, Broadcast.	March to May.	25 to 40 pounds.	30 pounds
SUDAN, Drilled.	March to May.	5 to 7 pounds.	30 pounds
HEGARI, Drilled.	April to June.	5 to 8 pounds.	50 pounds
KAFIR, Drilled.	April to May.	5 to 8 pounds.	50 pounds
MILLET.	April to May.	5 to 8 pounds.	50 pounds
OATS.	April to June.	20 to 30 pounds.	50 pounds
PEANUTS, Spanish.	January-February, September-October.	2 1/2 bushels.	32 pounds
PEANUTS, Tennessee Rod.	April, May.	35 to 40 pounds.	30 pounds
PEAS, Stock.	April, May.	2 bushels.	22 pounds
RAPE.	April to August.	90 to 120 pounds.	60 pounds
RYE.	February-April, August-November.	5 to 8 pounds.	50 pounds
SORGHUM, Broadcast.	July to November.	1 1/2 bushels.	56 pounds
SUNFLOWER.	April to July.	2 to 3 bushels.	50 pounds
VETCH.	March to July.	8 to 10 pounds.	30 pounds
WHEAT.	February-March, July-November.	20 pounds.	60 pounds
	September, October, November.	60 to 75 pounds.	60 pounds

Square Brand Hi-Yielding Vegetable Seeds

SEE PAGE 3 FOR PLANTING GUIDE

Square Brand Artichoke

GREEN GLOBE—The scales and bottom of the flower heads are eaten, either boiled or as a salad. Sow in hotbeds or indoors until danger of frost is over. Then set in rows 4 feet apart and 2 feet apart in the row. Later in the fall cut off the old tops and thoroughly protect the crowns with leaves or straw to prevent severe freezing. Prices: Pkt. 10c; 1/2 oz. 35c; oz. 65c; postpaid.

Asparagus

A delicious vegetable served buttered or with cream sauce. Grows from seed or roots.

CULTURE—It is advisable to soak the seed at least 24 hours before planting. Sow in spring or fall in rows 18 inches apart. Cover seed about 2 inches. When plants are well established thin to about one inch apart. By the following spring the roots will be ready for setting in the permanent bed. One ounce of seed will produce 200 plants, 4 to 5 pounds will plant an acre.

ROOT CULTURE—The soil for asparagus must be well drained, and should be worked to a depth of 16 or 18 inches, using a liberal dress of stable manure or peat moss. Dig trenches about 4 inches deep and 16 inches wide, place the roots, crown up, about 2 feet apart. Rows should be at least 4 feet apart. Early in the spring spade a liberal dressing of manure between the rows and apply a little nitrate of soda or ammonia sulphate. It requires about 100 roots to a bed of 500 square feet.

WASHINGTON ASPARAGUS SEED—An improved strain of rust resistant qualities. Produces long, straight stalks of a rich green color running darker at the tips. Very popular with commercial gardeners. Pkt. 10c; oz. 20c; 1/4 lb. 50c; lb. \$1.50; postpaid.

Asparagus.

PALMETTO ASPARAGUS SEED—An old standard variety, early and very prolific, produces thick, tender stalks of fine quality. Pkt. 10c; oz. 15c; 1/4 lb. 25c; lb. 75c; postpaid.

ASPARGUS ROOTS—Large, healthy planting size. Doz. 40c; 50 \$1.25; 100 \$2.00; postpaid.

Square Brand Garden Beans

INCREASE YOUR CROP AND IMPROVE YOUR SOIL BY INOCULATING WITH NITRAGIN

Our beans are grown especially for us under growing contract with the most reliable breeders and growers in the country.

CULTURE—Beans are very sensitive to both cold and wet and it is useless to plant them before the ground has become dry and warm. The largest returns will result from planting in drills two feet apart.

Cover the seed 1 1/2 inches deep and thin the young plants three to six inches apart in the row. The plants up to the time of blossom should have shallow cultivation. If any mutilation of the roots by cultivation after the plants have come into bloom should occur it is likely to cause the blossoms to blast, and thereby cut off the crop. A light, rich, well-drained loam which was manured for the previous crop is most desirable. A packet will sow 25 feet of row, one pound to 100 feet, and 60 pounds to an acre.

REFUGEE or 1000 TO 1—A second early variety especially resistant to drouth, cold and unfavorable growing conditions. Extensively used for shipping and canning. Pods are about 5 inches long, round, and light green. Prices: Pkt. 10c; 1/2 lb. 15c; lb. 30c; 2 lbs. 55c; postpaid. Ask for prices in larger quantities.

TENNESSEE GREEN-POD—A very desirable variety for home and market gardens, very hardy and a good yielder of large, very flat pods, 6 to 7 inches long, dark green and slightly stringy. Prices: Pkt. 10c; 1/2 lb. 20c; lb. 40c; 2 lbs. 75c; postpaid. Ask for prices in larger quantities.

Green Pod Bush Beans

BOUNTIFUL—This is a variety that is exceedingly popular. The plant is of thrifty growth and practically rust and mildew-proof. Pods light green and of large size, and are absolutely stringless. Prices: Pkt. 10c; 1/2 lb. 15c; lb. 30c; 2 lbs. 55c; postpaid. Ask for prices in larger quantities.

BURPEE STRINGLESS GREEN-POD—A favorite with truckers and gardeners for canning purposes. Pods medium green, 5 to 6 inches long, and absolutely stringless. Prices: Pkt. 10c; 1/2 lb. 15c; lb. 30c; 2 lbs. 55c; postpaid. Ask for prices in larger quantities.

GIANT STRINGLESS GREEN-POD—A very desirable variety for the home garden and truckers. Pods round and 6 to 7 inches long, dark green in color and perfectly stringless. Most productive sort and can be picked in one-third the time of any other variety. Not quite as early as the Burpee Stringless. Prices: Pkt. 10c; 1/2 lb. 15c; lb. 30c; 2 lbs. 55c; postpaid. Ask for prices in larger quantities.

IMPROVED RED VALENTINE—This variety will stand more adverse conditions than any other dwarf sort. Plants are of medium size with dark green leaves, pods are of medium length, about 5 inches long, medium green color. Prices: Pkt. 10c; 1/2 lb. 15c; lb. 30c; 2 lbs. 55c; postpaid. Ask for prices in larger quantities.

Burpee's Stringless.

Giant Stringless.

Tennessee Green Pod.

Wax or Yellow Pod Bush Beans

PENCIL-POD BLACK WAX—One of the best dwarf black-seeded waxed varieties; early and very productive; pods large, well rounded, yellow and are from 6 to 7 inches long; brittle and entirely stringless. Prices: Pkt. 10c; ½ lb. 15c; lb. 30c; 2 lbs. 55c; postpaid. Ask for prices in larger quantities.

GOLDEN WAX—The most popular of the wax variety, very early, and quite productive. Pods are from 4 to 5 inches long, oval in form, brittle and stringless, and of a bright yellow color, very attractive. Prices: Pkt. 10c; ½ lb. 20c; lb. 40c; 2 lbs. 75c; postpaid. Ask for prices in larger quantities.

WARDWELL KIDNEY WAX—One of the earliest and hardest of the wax varieties. The plants become loaded with long broad and flat, beautifully waxed pods about 6 inches long, which are stringless and exceedingly brittle. Prices: Pkt. 10c; ½ lb. 20c; lb. 40c; 2 lbs. 75c; postpaid. Ask for prices in larger quantities.

Pole or Running Beans

CULTURE—Pole beans are more sensitive to climatic conditions than are the bush varieties, but are superior in quality and productiveness. When the ground is warm, set poles 4 to 8 feet long, slantly slightly to the north in rows four feet apart, extending north and south, the poles being 3 feet apart in the row. When the poles are arranged this way the vines can climb more readily and the pods are straighter and more easily seen. Around each stake plant 5 to 8 beans, 2 inches deep and when well started, thin to 4 plants. Use 1 packet to 20 poles; 1 pound to 100 poles; 30 pounds to the acre.

KENTUCKY WONDER—The most popular and widely planted of all pole beans, early and very productive. Vines are very vigorous, bearing pods in large clusters that are green, round, meaty, tender and practically stringless and measure 6 to 12 inches long. Prices: Pkt. 10c; ½ lb. 20c; lb. 35c; 2 lbs. 65c; postpaid. Ask for prices in larger quantities.

KENTUCKY WONDER WAX—Earliest of all pole wax beans, splendid climber and very productive. Pods wavy, yellow, 8 inches long, practically stringless, brittle and tender. Prices: Pkt. 10c; ½ lb. 20c; lb. 40c; 2 lbs. 75c; postpaid. Ask for prices in larger quantities.

Golden Wax Bean.

Kentucky Wonder.

White Creaseback.

Pole or Running Beans (Cont'd)

STRIPED CREASEBACK—A very hardy and productive cornfield bean. Pods are from 6 to 7 inches long, round, straight and creaseback; of light color and slightly stringy. Vines are very vigorous. Prices: Pkt. 10c; ½ lb. 20c; lb. 35c; 2 lbs. 65c; postpaid. Ask for prices in larger quantities.

WHITE CREASEBACK—An early maturing, green-podded variety, very hardy and productive. Pods are round and slender, slightly stringy, brittle and tender. Prices: Pkt. 10c; ½ lb. 20c; lb. 35c; 2 lbs. 65c; postpaid. Ask for prices in larger quantities.

Bush Lima or Butter Beans

CULTURE—Plant when ground is dry and weather warm in rows 2 feet apart, dropping the beans 6 inches apart in the row, eye down, covering with 1 inch of soil. May also be planted in hills, 3 feet apart one way, 2 feet apart the other way, using 4 to 6 beans to the hill. One pound will plant 100 hills, or 100 feet of row; 60 pounds will plant an acre.

HENDERSON BUSH LIMA—The earliest of all bush limas, two weeks earlier than any of the climbing varieties. Plants are without runners but continue to grow and set pods until stopped by frost. Used extensively by canners as well as for home and market use. Prices: Pkt. 10c; ½ lb. 20c; lb. 35c; 2 lbs. 65c; postpaid. Ask for prices in larger quantities.

JACKSON WONDER BUSH LIMA—The most productive and one of the earliest of the bush limas. It bears in great profusion broad, flat pods, each having from 3 to 5 medium size beans which cook quickly. This variety is good for summer use and as a winter shell bean, and is a splendid bean for the home garden. Prices: Pkt. 10c; ½ lb. 20c; lb. 40c; 2 lbs. 75c; postpaid. Ask for prices in larger quantities.

Henderson's Bush Lima.

Pole or Running Lima Beans

White Sieva Pole.

DETROIT DARK RED—One of the best beets for market and home garden and on account of its uniformly rich color the most desirable for canning. Roots are medium-size, globular or nearly round, very smooth and dark blood-red. A desirable bunching variety, although a little later than the Crosby Egyptian. Prices: Pkt. 5c; oz. 15c; ¼ lb. 30c; lb. 80c; postpaid. Ask for prices in larger quantities.

LONG SMOOTH BLOOD—A long deep red beet by far the best for winter or spring use. Roots are deep red, long, smooth and uniform in shape. A fine variety for the home garden. Prices: Pkt. 5c; oz. 15c; ¼ lb. 30c; lb. 80c; postpaid. Ask for prices in larger quantities.

SWISS CHARD or SPINACH BEET—An outstanding green-leaved Swiss Chard. Leaves are almost identically like that of spinach, dark green in color. Will produce greens all summer, and is therefore available when spinach cannot be obtained. May be cooked and served as "boiled greens". Raised extensively by poultry growers for green feed. This vegetable should be in every home garden. Prices: Pkt. 5c; oz. 15c; ¼ lb. 30c; lb. 80c; postpaid. Ask for prices in larger quantities.

Swiss Chard or Spinach Beet.

CULTURE—The culture is the same as other pole beans, except the seed is planted two weeks later. One pound will plant 100 hills; 30 pounds will plant an acre.

CAROLINA or SIEVA (Small White Lima)—A very early small-seeded lima or butter-bean, especially adapted for planting in the South. Pods are dark green, short, about 3 inches long, curved and flat. Prices: Pkt. 10c; ½ lb. 20c; lb. 35c; 2 lbs. 65c; postpaid. Ask for prices in larger quantities.

FLORIDA SPECKLED BUTTER BEAN—A very early variety that blooms and bears profusely all

the season. Bears pods from the very first bloom that appears on the plants. The seeds and pods are about the size of the Carolina or Sieva Lima but are speckled white and brownish-red. Prices: Pkt. 10c; ½ lb. 20c; lb. 40c; 2 lbs. 75c; postpaid. Ask for prices in larger quantities.

KING OF THE GARDEN—A mid-season variety. Pods are large, numerous and well-filled measuring from 4 to 5 inches long, very flat and contain from 3 to 4 beans. Prices: Pkt. 10c; ½ lb. 25c; lb. 45c; 2 lbs. 85c; postpaid. Ask for prices in larger quantities.

Table and Canning Beets

CULTURE—The best results are obtained on a deep, rich, sandy loam. Sow as early as the ground can be prepared in drills 18 inches apart and thin out to 3 or 4 inches in rows. Planting in succession you can still be having tender greens when the roots are pulled for canning.

Beets are easily stored for use during the winter. Always sow in freshly prepared soil, which should be pressed firmly over the seed. A packet will sow a row 25 feet long; 1 ounce 75 feet; 5 pounds per acre.

Detroit Dark Red.

EARLY BLOOD TURNIP—Roots nearly round or slightly flattened, and bright red with zonings of a lighter shade. A good variety for the home garden. Prices: Pkt. 5c; oz. 15c; ¼ lb. 30c; lb. 80c; postpaid. Ask for prices in larger quantities.

BEETS ARE A SPLENDID MARKET CROP

As a rule, today, they are largely planted by truck and market gardeners. We have given very careful attention to the growing of beets, taking those which best served the truckers of Dallas. **PLANT OUR SQUARE BRAND SEEDS THIS YEAR.**

CROSBY EGYPTIAN—

The most popular of all beets. The small top of this variety makes it especially desirable for bunching. Roots are flattened, globe shape and very smooth. Exterior color of the root is bright red and the flesh is bright vermilion-red zoned with a lighter shade. Very sweet and tender. Our Crosbys are the variety demanded by the Dallas market—a very salable and uniform beet, produced after three years of intensive and careful breeding. Mature early.

Prices: Pkt. 5c; oz. 15c; ¼ lb. 30c; lb. 80c; postpaid. Ask for prices in larger quantities.

Crosby Egyptian.

Broccoli

Plant a packet this year—and you'll want this fine vegetable every year hereafter.

CULTURE—The same as Cauliflower. A packet will produce about 100 plants; one ounce will produce 1,500 plants.

ITALIAN GREEN SPROUTING—Italian strain, a variety that is becoming very popular in this section. The head is a compact cluster of tightly closed flower buds and resembles cauliflower only in shape. Served the same as asparagus. It is adapted to growing in spring, summer and fall. Prices: Pkt. 10c; ½ oz. 35c; oz. 60c; ¼ lb. \$1.75; lb. \$6.00; postpaid. Ask for prices in larger quantities.

Broccoli.

Select Cabbage Seed

CULTURE—For early crop sow seed of the early varieties in hotbeds, or in a box that can be housed any time from the middle of December to the end of January. Plant out at the end of February or beginning of March in rows 2 feet apart and 18 inches between plants in row. For late or winter crops, the seed is sown in May and the plants set out in July.

Don't have the soil in the seedbed as rich as the field to which the cabbage is transplanted, or the plants will be starved after transplanting. Don't seed too thickly or force the growth too rapidly or the plants will grow too tall, slim and tender, and the growth be more seriously checked by adverse conditions. Root deeply to resist drought. When planting out, set to the first leaf on stems. Supply plenty of manure. A packet will produce 150 plants; an ounce 1,500 plants; ½ pound will produce sufficient plants to set on an acre.

Early Varieties

EARLY JERSEY WAKEFIELD—The earliest and surest heading of the early cabbages for the market or home garden. Plants are exceedingly hardy, not only resisting cold but other unfavorable conditions; compact and erect with few outer leaves, which are smooth, thick, nearly oval and a deep green; the stem is short and the heads are of medium size, very solid and uniformly pointed. **Prices:** Pkt. 10c; oz. 20c; ¼ lb. 55c; lb. \$1.80; postpaid. Ask for prices in larger quantities.

Charleston Wakefield.

STEIN'S FLAT DUTCH—The best and largest early flat cabbage for the South. Heads often weigh 20 pounds and are very solid. Mature earlier than any other variety of equal size. Highly suitable for every growing season. **Prices:** Pkt. 10c; oz. 20c; ¼ lb. 55c; lb. \$1.80; postpaid. Ask for prices in larger quantities.

LARGE LATE FLAT DUTCH—One of the best varieties for fall and winter use, largely planted by our

Stein's Flat Dutch Cabbage.

Copenhagen Market.

COPENHAGEN MARKET—The earliest large round-headed cabbage; heads are very solid and of most excellent quality. Plants are vigorous but compact with short stems and few outer leaves. An excellent sort both for market and home garden. **Prices:** Pkt. 10c; oz. 20c; ¼ lb. 55c; lb. \$2.25; postpaid. Ask for prices in larger quantities.

CHARLESTON or LARGE WAKEFIELD—Finest spring variety for the South. Heads, when mature, average from 10 to 12 pounds each, very solid and hard. Remarkable for its quick growing habit, being two weeks earlier than the flat-head variety. **Prices:** Pkt. 10c; oz. 20c; ¼ lb. 55c; lb. \$1.80; postpaid. Ask for prices in larger quantities.

Second Early Varieties

ALL SEASON—A desirable large cabbage of intermediate season, adapted for fall and late summer use. Heads are nearly round or somewhat flattened, very solid and of excellent quality. **Prices:** Pkt. 10c; oz. 20c; ¼ lb. 55c; lb. \$1.80; postpaid. Ask for prices in larger quantities.

CHINESE or PE TSAI—This variety is straight and has short leaves. Makes a solid head with few outer leaves and matures quickly. The shape of the head somewhat resembles celery and for that reason this variety is sometimes called Celery Cabbage. If boiled like cabbage it must be cooked quickly. **Prices:** Pkt. 10c; oz. 25c; ¼ lb. 75c; lb. \$2.50; postpaid. Ask for prices in larger quantities.

local gardeners. Plants are exceptionally vigorous with very large broad outer leaves which are moderately smooth. Pkt. 10c; oz. 20c; ¼ lb. 55c; lb. \$1.80; postpaid. Ask for prices in larger quantities.

RED ROCK—Best and largest heading of red cabbage variety, very hardy and dependable. Heads very solid, round and of a deep red color, often weighing 12 pounds each. Used largely for pickling. **Prices:** Pkt. 10c; oz. 25c; ¼ lb. 80c; lb. \$2.75; postpaid. Ask for prices in larger quantities.

Frost Proof Cabbage Plants

GROWN FROM SQUARE BRAND SEEDS

VARIETIES—Early Jersey Wakefield, Charleston Wakefield, Succession, Stein's Early Flat Dutch, and Copenhagen Market. **Prices by Parcel Post, Postage Paid:** 100 plants 50c; 200 plants 75c; 500 plants \$1.50; 1,000 plants \$2.50. Orders are filled in even hundreds only. The above prices are for even quantities, one variety to a package.

Truckers and market gardeners should write or wire us for special prices in large quantities.

Our Square Brand frost-proof cabbage plants are grown where low temperatures prevail in the early spring, which makes them hardy and frost-proof. However, frost-proof does not mean freeze-proof.

Plants cannot be pulled or shipped when fields are wet. We suggest, therefore, that you place your order two weeks before you expect to set them out. If you cannot set the day you receive, take plants from package immediately, dip roots in water and heel them out in the ground, spreading the bunches a little. They will keep for some time. When plants reach you they may look wilted and leaves may have a brownish red appearance. Set the plants out regardless; they will produce a splendid crop.

Orders for cabbage plants filled from January 15th to April 15th. Remittance must accompany all orders. No plants shipped C. O. D.

Chinese or Pe Tsai Cabbage.

Square Brand Carrots

Delicious in salads—rich for flavoring soups—colorful for garnishing.

Danver Half-Long Carrot.

Celery

CULTURE—Sow in February, March and April in a hotbed and transfer to a cold-frame to make them stocky and strong. Seed should be covered lightly, and keep the bed moist to insure quick germination. A packet will produce about 300 plants; an ounce about 3,000 plants.

GOLDEN SELF-BLANCHING—The finest early and most profitable celery in cultivation. It has a natural golden yellow plant, and blanches quickly. **Prices:** Pkt. 10c; oz. 60c; ¼ lb. \$1.80; postpaid.

GIANT PASCAL—A compact, vigorous productive variety. Leaves are dark green, stalks short and thick. **Prices:** Pkt. 10c; ½ oz. 20c; oz. 30c; ¼ lb. 75c; postpaid.

Golden Self-Blanching Celery.

CULTURE—While a sandy loam made rich by manuring the previous year is the best soil for the carrot, any good land, if thoroughly and deeply worked, will produce satisfactory crops. It is advisable to sow as early in the spring as the ground is fit to work. For table use, sow the small varieties early in rows 16 to 18 inches apart. For field culture, sow in drills 18 to 24 inches apart. Cover one-half to one inch deep and see that the soil is pressed firmly above the seed. As soon as the plants appear, use the cultivator or wheel hoe and thin to 2 to 6 inches apart in the row, according to the size of the variety. Use a packet to 6 feet of drill; an ounce to 100 feet of drill; 3 to 4 pounds to the acre.

CHANTENAY—A splendid bunch sort and very popular with market gardeners and truckers. Tops are medium sized with small neck. The mature roots are thick, 5 to 6 inches in length, uniformly half-long, stump-rooted but taper slightly, are smooth and of a deep orange-red. **Prices:** Pkt. 10c; oz. 15c; ¼ lb. 30c; lb. 90c; postpaid. Ask for prices in larger quantities.

DANVER HALF-LONG—Very productive and popular variety for home and market gardens. The tops are of medium size and the roots are from 6 to 8 inches long, uniformly to the blunt point; flesh deep orange and very tender. **Prices:** Pkt. 10c; oz. 15c; ¼ lb. 40c; lb. \$1.00; postpaid. Ask for prices in larger quantities.

IMPROVED LONG ORANGE—Roots are long and comparatively thick, often 12 inches in length and 3 inches in diameter at the crown, tapering regularly to a point. Late-maturing, suitable for table use as well as stock feed. **Prices:** Pkt. 10c; oz. 15c; ¼ lb. 30c; lb. 90c; postpaid. Ask for prices in larger quantities.

Chantenay.

Luscious Cauliflower

Try them "au gratin". If you want the recipe, just write us.

CULTURE—For spring and early summer crop, sow in February or March in a hotbed. Transplant to cold frames when large enough to handle. Set out after all danger of hard freezing is past. The soil should be like that for cabbage.

For a fall crop, sow in July or August and treat the plants as explained above. To bleach the heads, tie the leaves over them. A packet will produce about 150 plants; an ounce about 2,000 plants.

EARLY SNOWBALL—Unquestionably the earliest maturing variety. Adapted for forcing or wintering over for early crop; also one of the best sorts for late summer and fall crop, most desirable for the home garden. Heads are of medium to large size, solid, round, very white and are developed earlier than those of any sort. **Prices:** Pkt. 15c; ½ oz. 75c; oz. \$1.25; ¼ lb. \$4.25; lb. \$15.00; postpaid.

DRY WEATHER—An excellent second early variety, especially adapted for growing in open ground. Heads medium to large size, very solid and pure white. **Prices:** Pkt. 10c; ½ oz. 75c; oz. \$1.25; ¼ lb. \$4.25; lb. \$15.00; postpaid.

Early Snowball Cauliflower.

Collards for "Greens"

CULTURE—A tall, loose leaved cabbage-like plant grown for winter greens. Largely used in home gardens for table use; also grown by many truckers for the market. Seed should be sown thickly, transplanting when 4 inches high, or sow in drills where plants are to remain, and when well started thin to 2 or 3 feet apart in rows. One ounce to 200 feet of row; half pound for an acre.

SOUTHERN or GEORGIA—An old-time favorite, very hardy. Plants grow 2 to 3 feet high, forming a cluster of tender leaves at the top of its rather long stem, and these leaves are used as greens. **Prices:** Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 65c; postpaid. Ask for prices in larger quantities.

CABBAGE or WHITE—A white heading variety that is as hardy as the ordinary collard but with better eating qualities. **Prices:** Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 65c; postpaid. Ask for prices in larger quantities.

Southern or Georgia Collard.

Stowell's Evergreen Sweet Corn.

Tender Roasting Ear Corn

Golden Bantam.

CULTURE—When planted in rows the rows should be 3 to 4 feet apart; plant the seed 12 to 16 inches apart in the row, covering 1 inch deep with fine soil firmly pressed down. If planted in hills, plant 4 to 6 grains to the hill; later thin so as to leave 2 to 3 stalks to the hill. One pound will plant about 200 hills; one peck (14 lbs.) to the acre.

Sugar Varieties

COUNTRY GENTLEMAN—A small white cob variety, densely covered with irregular rows of very long slender white grains. Ears are 7 to 9 inches long; stalks from 6 to 7 feet high. Well adapted for canning as well as the home garden and market. Prices: Pkt. 10c; 1/2 lb. 15c; lb. 25c; 2 lbs. 45c; postpaid. Ask for prices in larger quantities.

GOLDEN BANTAM—An early sweet corn with golden-yellow grains, very tender and of excellent quality. Ears are 6 to 7 inches long and of medium size; stalks 4 to 6 feet high. Prices: Pkt. 10c; 1/2 lb. 15c; lb. 25c; 2 lbs. 45c; postpaid. Ask for prices in larger quantities.

STOWELL'S EVERGREEN—A standard main crop variety, much used for the home garden, market and canning. Hardy and productive, very tender and sugary, remaining a long time in condition suitable for boiling. Prices: Pkt. 10c; 1/2 lb. 15c; lb. 25c; 2 lbs. 45c; postpaid. Ask for prices in larger quantities.

Sweet or Field Varieties

EARLY ADAMS—One of our leading varieties. Matures 60 days after planting; ears are 7 to 8 inches long and filled out with large white grains. Vigorous, stalks growing about 6 feet in height and well-bladed. Prices: Pkt. 10c; lb. 20c; 2 lbs. 35c; 5 lbs. 65c; postpaid. Ask for prices in larger quantities.

HICKORY KING—A white variety of field corn which has the largest grains with the smallest cob of any corn in existence. A large number of market gardeners plant this variety, as the stalks are very vigorous and productive. Matures in about 100 days. Prices: Pkt. 10c; lb. 15c; 2 lbs. 25c; postpaid. Ask for prices in larger quantities.

TRUCKERS' FAVORITE—A wonderful early table corn, only a few days later than the Early Adams. Ears average from 12 to 14 inches in length. Slightly sweet, resembling sugar corn in taste. Ready for table use in about 67 days after planting. Prices: Pkt. 10c; lb. 20c; 2 lbs. 35c; postpaid. Ask for prices in larger quantities.

IOWA SILVER MINE—Planted largely for early roasting ears by market gardeners. Ears are from 9 to 12 inches long and are ready for use in 70 days after planting. Prices: Pkt. 10c; lb. 20c; 2 lbs. 35c; postpaid. Ask for prices in larger quantities.

WHITE PEARL—A northern field corn that produces large, uniform, well filled ears with large, pure white grains. Used extensively for roasting ears by local gardeners. Prices: Pkt. 10c; lb. 20c; 2 lbs. 35c; postpaid. Ask for prices in larger quantities.

See page 34 for Crow Repellent to protect your Seed Corn.

Best Pop Corn Varieties

A profitable crop, yields well even in unfavorable weather. Cultivate the same as field corn. It should be planted in March and April. One pound will plant 200 feet of drill; 12 pounds to the acre.

WHITE RICE—This variety has white, large pointed grains that pop nicely and is the best white variety for home popping. A good yielder; ears are medium sized. Prices: Pkt. 10c; lb. 25c; postpaid. Not prepaid: 10 lbs. \$1.00.

JAPANESE HUILESS or LITTLE BUSTER—A very prolific white variety used to a great extent by commercial poppers. It is a fine variety to shell and sell to commercial poppers. Prices: Pkt. 10c; lb. 25c; postpaid. Not prepaid: 10 lbs. \$1.20.

SOUTH AMERICAN—Very popular variety on account of its rich yellow color. It is the standard yellow pop corn for the South. Pops into a very large white fluffy piece. Prices: Pkt. 10c; lb. 25c; postpaid. Not prepaid: 10 lbs. \$1.20.

Pop Corn.

Country Gentleman.

Davis Perfect.

ARLINGTON WHITE SPINE—One of the oldest types, and most popular. A main crop variety and a little later than improved White Spine. Very productive. Fruits are 9 by 2½ inches, with square block ends and weigh about 2 pounds. **Prices:** Pkt. 10c; oz. 15c; ¼ lb. 35c; lb. \$1.00; postpaid.

IMPROVED LONG GREEN—The standard cucumber for either slicing or pickling. Vines are very vigorous and productive. It is medium late and the best variety for hardness and disease resistance. Ends taper somewhat and it is slightly warted. **Price:** Pkt. 10c; oz. 15c; ¼ lb. 40c; lb. \$1.25; postpaid.

KLONDIKE—This is a White Spine variety, a little smaller than the Arlington; is used principally for long-distance shipping. Ends taper slightly and the fruits are smooth and symmetrical, measuring 7x2½ inches. **Prices:** Pkt. 10c; oz. 15c; ½ lb. 40c; lb. \$1.25; postpaid.

JAPANESE CLIMBING—A variety used for its climbing qualities to cover trellises and fences. The color when ripe is a deep russet, covered with a slight netting. Fruits measure 9x2½ inches. **Prices:** Pkt. 10c; oz. 15c; ¼ lb. 40c; lb. \$1.25; postpaid.

Square Brand Cucumbers

Offer a wide variety of uses. May be served sliced, baked, boiled, stuffed, or pickled.

CULTURE—To obtain the largest yield of cucumbers, soil should be well enriched with well-rotted manure, or commercial fertilizer, and the location should be fully exposed to the sun. Plant the seed not over 1 inch deep in hills 4 to 6 feet apart each way, dropping 15 to 20 seeds in a hill. After the plants begin to crowd, thin to 3 plants to the hill. Give frequent but shallow cultivation until the plants make runners. Pick the fruit as soon as it is large enough before it begins to ripen, as the vines will cease setting fruit as soon as any seed begins to mature. In gathering for pickles, cut the stem instead of pulling the fruit off and be careful not to mar the fruit in any way; if the skin is broken, the pickles will not keep so well. Use a package to 14 hills; an ounce to 75 hills; 2 to 3 pounds per acre.

DAVIS PERFECT—A long, smooth cucumber, tapering at both ends, one of the most popular of the White Spine varieties. A deep green color when in the slicing stage, and medium late in maturing. **Prices:** Pkt. 10c; oz. 15c; ¼ lb. 35c; lb. \$1.00; postpaid.

EARLY CLUSTER—A small variety, fruits growing in clusters near the roots; very early, prolific and uniform, the second most popular of the early pickling strain. **Prices:** Pkt. 10c; oz. 15c; ¼ lb. 35c; lb. \$1.00; postpaid.

CHICAGO PICKLING—A very productive variety extensively grown for pickles. Vines are vigorous and the fruits are bright green, of medium size, very smooth and symmetrical, flesh crisp and tender. **Prices:** Pkt. 10c; oz. 15c; ¼ lb. 35c; lb. \$1.00; postpaid.

SMALL GHERKIN—For Pickles. A very small, oval, prickly fruited variety, and should always be pickled when young and tender. **Prices:** Pkt. 10c; oz. 20c; ¼ lb. 50c; lb. \$1.50; postpaid.

EARLY FORTUNE—The best shipping variety. Very early, productive and disease-resistant. Color a rich

dark green which does not fade when shipped a long distance. **Prices:** Pkt. 10c; oz. 15c; ¼ lb. 35c; lb. \$1.00; postpaid.

Improved Long Green Cucumber.

Early Fortune Cucumber.

Square Brand Egg-Plants

ARE DELICIOUS STUFFED OR FRIED

CULTURE—Sow in hotbed in early spring and transplant to cold-frame when plants have two rough leaves on them. Set in open when all danger of frost or cold nights is past, and it is best to shade the young plant from the hot sun. Hoe frequently, keeping the soil loose and fine. Matures in about 120 days. A packet will produce about 150 plants; an ounce about 1,000 plants; ¼ pound for an acre.

BLACK BEAUTY—The earliest large Egg-plant. Fruits are a rich dark purple. Disease-resistant and a very desirable sort for the market. Very popular with truckers in south and southwest Texas. **Prices:** Pkt. 10c; oz. 40c; ¼ lb. \$1.25; lb. \$4.50; postpaid.

FLORIDA HIGH BUSH—A good variety for shipping and home garden use. Fruits are borne higher off the ground than any other variety. Not quite as early as Black Beauty. **Prices:** Pkt. 10c; oz. 30c; ¼ lb. \$1.00; lb. \$3.50; postpaid.

NEW YORK PURPLE SPINELESS—A general favorite for the market and home garden. Fruits are large and free from thorns. Is only a few days later than Black Beauty in maturing. **Prices:** Pkt. 10c; oz. 40c; ¼ lb. \$1.25; lb. \$4.50; postpaid.

Black Beauty Egg Plant.

Egg-Plant Plants

Our plants are grown from Square Brand Egg Plant Seed and are fine and healthy. We offer plants of the popular Black Beauty variety which are very suitable for markets as well as home use. These plants will be ready for shipment about the middle of April.

Postpaid prices: 25 plants, 35c; 50 plants, 65c; 100 plants, \$1.00. Write for prices in larger quantities. We suggest that truckers be sure to call on us for quantity prices before ordering.

Endive for Garnishing and Salads

CULTURE—For late spring and summer use, sow the seed in open ground during February or March. For fall use sow in July or August. Requires about 60 days to mature a crop. A fine salad crop; leaves are also used for garnishing and flavoring. Use a packet to 25 feet of drill: an ounce to 150 feet; 4 to 5 pounds per acre.

LARGE GREEN CURLED—Very hardy, vigorous-growing variety, with bright deep green leaves; highly esteemed for the market and home garden, and much used for salads. Prices: Pkt. 5c; oz. 15c; ¼ lb. 30c; lb. \$1.00; postpaid.

Large Green Curled Endive.

Large American Flag Leek.

Dwarf Curled Scotch Kale.

Leek

Serve boiled and buttered on toast.

CULTURE—Sow in rows 18 inches apart and ½-inch deep. Seed should be covered firmly. Thin plants to 6 inches apart in the row and draw the earth about them when cultivating. A packet will sow about 25 feet of drill: an ounce 100 feet; 4 pounds to the acre.

LARGE AMERICAN FLAG—A desirable, strong-growing, broad leaved leek; hardy and productive. A favorite with many market gardeners, also extensively used for the home garden. Prices: Pkt. 10c; oz. 20c; ¼ lb. 65c; lb. \$2.00; postpaid.

Kohl Rabi.

DWARF CURLED SCOTCH—Finely curled, spreading, low-growing variety; very hardy and much used for greens. Largely planted for the home garden. Leaves are long and are of a bright green color. Prices: Pkt. 10c; oz. 15c; ¼ lb. 35c; lb. \$1.00; postpaid.

TALL CURLED SCOTCH—The plant of this variety grows to 3 or 4 feet high, bearing long plume-like light green leaves which are deeply cut, also finely curled at the edges. Prices: Pkt. 10c; oz. 15c; ¼ lb. 35c; lb. \$1.00; postpaid.

Kohl Rabi

CULTURE—Sow seed in early spring and when well established thin to 6 inches apart in the row. Plantings may be made in July for fall use. A packet will sow about 40 feet of drill: an ounce 200 feet; 3 pounds to the acre.

EARLIEST WHITE VIENNA—Extremely early, with distinctly small tops. Bulbs are of medium size, very light green, nearly white. Very mild and flavor most delicious. Prices: Pkt. 10c; oz. 20c; ¼ lb. 65c; lb. \$2.00; postpaid.

Square Brand Mangels and Sugar Beets For Stock Feeding

CULTURE—The Mangel and Sugar Beet, may be grown in almost any soil, but deep loams are necessary for heavy yields of the long varieties. When well grown the roots give immense yield of very valuable food for stock. Plant early in the spring in drills 2 to 3 feet apart and cover the seed about 1½ inches. Cultivate frequently. When about 3 inches high begin thinning and continue at intervals until the roots stand 8 inches apart in the rows. Use a packet to 25 feet of drill: an ounce to 100 feet; 6 to 8 pounds per acre.

MAMMOTH LONG RED—Roots very large, uniformly straight, well formed and comparatively thicker than other varieties—frequently 2 feet long and 6 inches in diameter. Excellent keeper. Flesh white tinged with rose. Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 60c; postpaid.

GOLDEN-TANKARD—Tops comparatively small, with the leaves, stalks and stems distinctly tinged with yellow. Roots large but with the bottom usually of larger diameter than the top, which makes it harder to harvest than the other varieties. Flesh yellow-gold with white. Prices: Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 60c; postpaid.

GIANT HALF SUGAR FEEDING—The most desirable variety for stock feed, affording not only a very large crop much easier to harvest than other sorts but having higher nutritive value, being especially rich in sugar. Roots light bronze above the ground and grayish-white below, with white flesh and average 10 to 12 inches. Prices: Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 60; postpaid.

Giant Half Sugar Feeding Mangel.

Mammoth Long Red.

Lettuce---the Best Salad Crop

Big Boston Lettuce.

IMPROVED HANSON—The most desirable late summer variety; stands the hot, dry weather better than most summer varieties. Thin-leaved, curly, tight-headed, used extensively for the home garden as well as the market. Prices: Pkt. 10c; oz. 15c; ¼ lb. 45c; lb. \$1.40; postpaid.

PARIS WHITE COS or ROMAINE—Is sometimes called Celery Lettuce, as the shape somewhat resembles a celery plant. Inner leaves nearly white, slightly tinged with green and decidedly firm and sweet. Prices: Pkt. 10c; oz. 20c; ¼ lb. 50c; lb. \$1.50; postpaid.

WONDERFUL or NEW YORK—Also known as Los Angeles Lettuce. Much used as a fall and winter market variety. Plants are very large, strong and robust, withstanding both hot and dry weather, and is slow to run to seed. The inner leaves form a large head, and are a beautiful yellowish color. Prices: Pkt. 10c; oz. 20c; ¼ lb. 65c; lb. \$2.10; postpaid.

SIMPSON'S BLACK-SEEDED—Best variety for sowing outdoors where an exceedingly tender leaf is desired. This curly and thin-leaved bunching variety is uniformly attractive and remains of excellent quality a very long time. Prices: Pkt. 10c; oz. 15c; ¼ lb. 45c; lb. \$1.40; postpaid.

SIMPSON'S EARLY CURLED—Very extensively used for an early loose-leaved or clustering variety. Especially adapted for sowing thickly and cutting when the plants are young. Prices: Pkt. 10c; oz. 15c; ¼ lb. 45c; lb. \$1.40; postpaid.

EARLY PRIZEHEAD—This is a crisp, tender and strictly loose-leaved, non-heading variety. Plant is medium large, leaves broad, crumpled and frilled, outside leaves tinged red, inner leaves wholly green. Very popular for the home garden, but will not stand shipping or handling on the market. Prices: Pkt. 10c; oz. 15c; ¼ lb. 45c; lb. \$1.40; postpaid.

ICEBURG—A large crisp cabbage-heading variety, with very firm and hard heads and well blanched, usually sown in August for fall use. Leaves are medium green in color with faint brown tracing on the border. Prices: Pkt. 10c; oz. 20c; ¼ lb. 50c; lb. \$1.50; postpaid.

Iceburg.

CULTURE—To have the best lettuce, it should be kept growing rapidly. A light, rich soil will do this. For the earliest, start the seed in a cold-frame in the fall and protect through the winter. Transplant to open ground as soon as the ground can be worked. For later use, sow the seed in the open ground when the season will permit, in rows a foot apart. Thin the plants in the rows to 4 to 6 inches, depending on the variety. A packet will sow about 25 feet of drill; an ounce 150 feet; 3 pounds to the acre.

BIG BOSTON—Very popular for outdoor culture and is also in demand as a compact, large-heading, forcing variety for cold-frames. Leaves are bright light green, heads slightly tinged with reddish-brown. Heads up under cold weather conditions better than any other variety; is grown extensively in the South for shipment to northern markets. Prices: Pkt. 10c; oz. 15c; ¼ lb. 45c; lb. \$1.40; postpaid.

New York or Wonderful Lettuce.

Early Curled Simpson.

Plant and Cultivate Efficiently With

No. 4 Combined Hill and Drill Seeder and Single Wheel Hoe.

The No. 4 is a combination of the most useful tool for a home garden. Plants almost all vegetable seed in continuous rows or in hills 4, 6, 8, 12 or 24 inches apart. A plow adjustable for depth, opens a straight, narrow furrow, the seeds are dropped in it, are covered and the soil firmed, and the next row marked out all in the same operation. Converted into a single wheel hoe by changing one bolt. Cultivating equipment includes the most useful attachments—hoes for weeding and shallow cultivation

Planet Jr. No. 4.

—cultivator teeth for deeper and general cultivation—and the plow for furrowing and ridging. Shipping weight, 50 pounds. Price: \$18.00, F. O. B. Dallas.

No. 4-D—Same as No. 4, but without cultivating attachments. Shipping weight, 37 pounds. Price: \$14.25, F. O. B. Dallas.

Mustard---Tempting Greens

CULTURE—Mustard is only used as a condiment, but the green leaves are used as a salad, or cut and boiled like spinach. Sow as early in the spring as the ground will permit in drills about 18 inches apart, covering $\frac{1}{2}$ inch deep. The seed may also be sown in autumn, and the plant used early in the spring as a salad and for greens. A packet will sow about 25 feet of drill: an ounce 100 feet; 2 to 3 pounds will plant an acre.

SOUTHERN GIANT CURLED—Leaves are large, light green with a tinge of yellow, much crimped and frilled at edges; plant upright or slightly spreading in growth. Highly esteemed in the South for the market as well as the home garden. **Prices:** Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 65c; postpaid.

Chinese Broad Leaf Mustard.

CHINESE BROAD LEAF

Leaves are round and unfilled rough, and a very dark green. A little slower growing than the frilled varieties but longer standing. **Prices:** Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 65c; postpaid.

Tender Greens—
A Delicious Green.

LARGE SMOOTH-LEAF—An excellent variety with very large light green plain, comparatively smooth leaves. Plant is of very quick growth, fairly upright when young, becoming somewhat spreading at maturity. **Prices:** Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 75c; postpaid.

TENDERGREEN or JAPANESE MUSTARD SPINACH—A tender delicious quick-growing green. Is practically an all-season plant, and is ready for market 30 days from planting. It will stand extreme summer heat, also resistant to cold weather. Leaves are cooked and prepared for the table the same as Spinach, Turnip or Mustard Green. **Prices:** Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 25c; lb. 75c; postpaid.

Square Brand Okra

CULTURE—The young pods are used in soups, stews, catsups, etc. After danger of frost is past, sow in rows about $2\frac{1}{2}$ feet apart covering with about an inch of fine soil firmly pressed down. When about three inches high, thin to about 1 foot apart in the row. Cultivate and keep free from weeds. The pods are in best condition for use when from 1 to 3 inches long. Use a packet to about 25 feet of drill; an ounce to 100 feet; 8 pounds per acre.

DWARF GREEN—Extra early maturing prolific variety, very productive and the plants are more dwarf in habit of growth than those of other sorts. Pods short, deep green, slightly corrugated, very tender. **Prices:** Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 70c; postpaid.

WHITE VELVET—The standard variety planted for home use and local shipment. Pods are almost altogether free from ridges. Plants are about $3\frac{1}{2}$ feet high and very productive. **Prices:** Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 70c; postpaid.

DWARF LONG POD GREEN—A sturdy dwarf-growing variety, quite early and productive. Pods are long and corrugated, attractive dark green in color. Very good for the home garden, and is of the type most used for canning. **Prices:** Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 70c; postpaid.

Dwarf Long
Pod Green
Okra.

ACME SPRAYING GUIDE

Contains of Acme White Lead and Color Works, Chicago, Illinois

WHEN AND WHAT TO SPRAY

SPRAY	SPRAYING	SPRAYING
1. DISEASES	2. INSECTS	3. WEEDS

Write for this Fine Guide Free

Square Brand Cantaloupe or Muskmelon

CULTURE—After danger of frost is past, plant in rich soil, preferably sandy loam in hills of from 4 to 6 feet apart. Put 10 to 12 seeds in a hill, cover with about 1 inch of fine soil, firmly pressed down. When the plants begin to crowd, and the striped beetles are pretty well gone, thin to 4 of the most vigorous plants in the hill. Give frequent but shallow cultivation until the plants make runners. Rich earth for the young plants is far better than manure, but if the latter must be used, see that it is well rotted and thoroughly mixed with the soil. Use a packet to 16 hills; 1 ounce to 50 hills; 2 to 3 pounds to acre.

Green Fleshed Varieties

GOLD LINED ROCKY FORD—A selected type from the green flesh Rocky Ford. Has a gold lining next to the seed cavity, making it unusually attractive when cut. Medium late in maturing. Flesh very thick, sweet and spicy; shape round with a complete covering of netting, and no ribs. **Prices:** Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 35c; lb. \$1.00; postpaid. Ask for prices in larger quantities.

NETTED ROCK—This is a heavily netted type of the Rocky Ford with an almost absence of ribs. Flesh is green, sweet and spicy and has not been excelled by any other melon. Weighs $2\frac{1}{2}$ pounds. **Prices:** Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 35c; lb. \$1.00; postpaid. Ask for prices in larger quantities.

TEXAS CANNON BALL—Perfectly round green-fleshed melon, heavily netted. Early and its most remarkable feature is its thickness of the flesh. Melons weigh $3\frac{1}{4}$ pounds each. **Prices:** Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 35c; lb. \$1.00; postpaid. Ask for prices in larger quantities.

Gold Lined Rocky Ford.

Hale's Best Cantaloupe.

HONEY BALL—A cross between the Texas Cannon Ball and Honey Dew Melon. The best drought-resisting melon that has ever been grown in Texas. A little larger in size than the Rocky Ford, is round and has a very thick wall of delicious green meat which can be eaten to the rind. Melons weigh 3½ pounds. Prices: Pkt. 10c; oz. 20c; ¼ lb. 50c; lb. \$1.50; postpaid. Ask for prices in larger quantities.

Pollock 10-25.

ily netted, with no trace of ribs; vines are rust resistant. Prices: Pkt. 10c; oz. 15c; ¼ lb. 35c; lb. \$1.00; postpaid. Ask for prices in larger quantities.

EDWARDS' PERFECTO—An early variety, ripening in 80 to 85 days. Seed cavity triangular, flesh a deeply tinted salmon color; shipping and keeping qualities are excellent. Prices: Pkt. 10c; oz. 15c; ¼ lb. 35c; lb. \$1.00; postpaid. Ask for prices in larger quantities.

Hearts of Gold.

Square Brand Cantaloupes (Cont.)

Salmon Fleshed Varieties

HALE'S BEST—Salmon flesh of exceptional thickness. Shape is oval, with heavy netting and fairly prominent ribs. A remarkable, very early melon from the Imperial Valley in California. Prices: Pkt. 10c; oz. 15c; ¼ lb. 35c; lb. \$1.00; postpaid. Ask for prices in larger quantities.

Honey Ball.

HONEY DEW—Shape of the Honey Dew is perfectly round, skin smooth, light cream in color. Matures quite late and does not grow to perfection except in the South. A very good shipping variety and if properly stored it will remain edible for months. Prices: Pkt. 10c; oz. 20c; ¼ lb. 50c; lb. \$1.50; postpaid. Ask for prices in larger quantities.

Edwards Perfecto.

BANANA—An extremely long melon tapering at both ends; skin lemon colored when mature and the flesh pink; very delicious. Very vigorous and hardy, although rather late in maturing. Fruits measure 14x4 inches and weigh 7 pounds each. Prices: Pkt. 10c; oz. 15c; ¼ lb. 35c; lb. \$1.00; postpaid. Ask for prices in larger quantities.

HEARTS OF GOLD—Selection from Hoo Doo variety. Melons run very uniform in size. A splendid shipping variety steadily increasing in use. The seed cavity is remarkably small and the melon carries as well if not better than the Pollock types. Prices: Pkt. 10c; oz. 15c; ¼ lb. 35c; lb. \$1.00; postpaid. Ask for prices in larger quantities.

Three Weeks Earlier

May mean high prices for your cantaloupes rather than low prices. You can speed up your production about three weeks by using Hotkaps.

Hotkaps protect your plants from frost, wind, rain and insects. They also preserve the mulch around each plant.

Bigger Crops

Are produced as a result of the use of Hotkaps. They are inexpensive and pay for themselves many times over.

Hotkaps are wax paper cones, easily placed over seeds and plants at time of planting. They increase crops from 10 to 25 per cent and mature them from two to three weeks earlier. See page 23 for prices.

Square Brand Southern Grown Watermelons

CULTURE—The seed should be planted in hills about 8 feet apart and it is well to work into the soil an abundance of well-rotted manure. It is important that the seed should not be planted before the ground becomes warm and dry, as the young plants are very sensitive to cold and wet. Put 10 to 12 seeds in a hill. When the plants have formed the first pair of rough leaves, they should be thinned so as to leave 2 or 3 of the strongest and best to each hill. Frequent watering of the plants, with liquid manure, will hasten the growth, thus diminishing the danger from insect pests. Cultivate until vines cover the ground. A packet will plant about 10 hills; an ounce 30 hills; 3 to 4 pounds per acre in hills

Square Brand Special

Tom Watson Watermelon.

Kleckley Sweet.

Stone Mountain.

STONE MOUNTAIN—An extra large and heavy melon, almost round. Rind dark green and medium tough. Flesh a rich scarlet, extra sweet, and free from stringiness. For home and nearby market use this variety stands up under most trying conditions, making fine crops of late melons that sell over any other melon. **Prices:** Pkt. 10c; oz. 20c; ¼ lb. 40c; lb. \$1.25; postpaid.

HALBERT HONEY—A medium early home market melon. Enjoys wide use, and is second only to Kleckley Sweet in popularity for home gardens and nearby markets. Shape, long and cylindrical; rind a deep green with fine grains. Melons average 35 pounds. The flesh is a delicious crimson-red, and extends nearly to the rind; entirely free from any stringiness. **Prices:** Pkt. 10c; oz. 15c; ¼ lb. 35c; lb. \$1.00; postpaid.

SQUARE BRAND SPECIAL TOM WATSON—Seed grown for us in Parker County, from selected stock seed, and will produce the very best melons that can be grown. We sell large amounts of this seed to the truck growers in Texas, as it is necessary for them to produce the largest and very best melons in order to be able to market them. Melons grown from this seed sometimes weigh over 90 pounds, and are entirely free of white hearts or stringiness and as sweet and luscious as any other melon. If you are growing melons for the market, you should plant this seed, as it will produce fruits that will sell at sight and bring the highest possible prices. **Prices:** Pkt. 10c; oz. 20c; ¼ lb. 45c; lb. \$1.50; postpaid.

KLECKLEY'S SWEET—Sometimes called Monte Carlo. Vines are vigorous and productive. Fruits medium to large, oblong, tapering slightly towards the stem end. The flesh is a very bright rich red and is exceedingly sweet; will not stand shipping well. Edible in 87 days. Widely used for the home garden and nearby market. **Prices:** Pkt. 10c; oz. 15c; ¼ lb. 35c; lb. \$1.00; postpaid.

IRISH GREY—A long melon, rather large in size, and becoming more popular as a shipping variety. The rind is a light green color, flesh a sparkling red, very sweet, and entirely free from stringiness. Vines are vigorous, healthy, and hold up and produce fine melons late in the summer where other sorts die out. Average weight 35 pounds. **Prices:** Pkt. 10c; oz. 15c; ¼ lb. 35c; lb. \$1.00; postpaid.

GOLDEN HONEY—The best of the yellow-fleshed melons. Oblong in shape, rind dark green with irregular stripes of a darker green. Average weight of the melons is 25 pounds, and they are edible in 90 days. A standard variety; the flesh is a speckled golden color, very attractive. **Prices:** Pkt. 10c; oz. 15c; ¼ lb. 35c; lb. \$1.00; postpaid.

WONDER MELON—The most delicious flavored melon grown. Rich red flesh, full of flavor up to the rind and does not show hollow. The rind is thin but tough, insuring safe shipment for reasonable distances. It is large and long, resembling the Tom Watson, though it is thicker, and the color is a dark solid green that makes it very attractive in the markets. **Prices:** Pkt. 10c; oz. 15c; ¼ lb. 35c; lb. \$1.00; postpaid.

TOM WATSON—Ideal for shipping. Rind a deep green, indistinctly veined and very tough and elastic. Shape long and cylindrical; flesh sweet, very firm, and crimson color. Very popular for home and market use. **Prices:** Pkt. 10c; oz. 15c; ¼ lb. 35c; lb. \$1.00; postpaid.

Halbert Honey Melon.

Square Brand Onion Seed

CULTURE—As early in spring as ground can be worked sow in rich soil, thoroughly pulverized, and level in rows 13 to 15 inches apart, covering one-half inch deep. When the plants are well up, cultivate and keep free from weeds. When large enough, thin to three inches apart. If sets are wanted, sow seed thickly and don't thin out, using from 30 to 50 pounds of seed per acre. A packet will sow about 50 feet of drill; an ounce 150 feet; 3 to 4 pounds per acre. **We offer only true Tenerife grown Bermuda Onion Seed grown for us under contract, by the most reliable growers in the Canary Islands.**

YELLOW BERMUDA—Sometimes called White Bermuda. Light straw color, and is very popular. Bulbs are somewhat flattened, of medium size, and very sweet. Will keep better and longer than the Crystal White Wax. **Prices:** Pkt. 10c; oz. 25c; ¼ lb. 75c; lb. \$2.50; postpaid.

CRYSTAL WHITE WAX BERMUDA—Most attractive of all onions: a clear waxy white variety with a delightful mild flavor; somewhat flat, sometimes growing to the size of saucers. A very popular variety. **Prices:** Pkt. 10c; oz. 30c; ¼ lb. 80c; lb. \$2.75; postpaid.

AUSTRALIAN BROWN—The long-keeping onion; will last through the winter if stored in a dry place. Has a neat round shape, very firm and solid in texture. Has a pungent flavor, and the skin is an amber-brown color. **Prices:** Pkt. 10c; oz. 20c; ¼ lb. 60c; lb. \$2.00; postpaid.

Bermuda Onions.

RED WETHERSFIELD—A variety of large size, very productive and an excellent keeper. Color deep purplish-red, flesh white, moderately grained and very mild. **Prices:** Pkt. 10c; oz. 20c; ¼ lb. 60c; lb. \$2.00; postpaid.

SILVER SKIN—(WHITE PORTUGAL)—A medium sized onion of mild flavor, with a beautiful clear white skin. A favorite for use when young as a salad or bunching onion, and for pickles. Bulbs nearly round when of bunching size, and somewhat flattened when mature. **Prices:** Pkt. 10c; oz. 25c; ¼ lb. 75c; lb. \$2.50; postpaid.

GIANT YELLOW PRIZE-TAKER—Successfully grown in all parts of Texas and the Central South. Skin a light straw color, flesh pure white, very fine grained, and can be pulled 60 days after planting. **Prices:** Pkt. 10c; oz. 20c; ¼ lb. 60c; lb. \$2.00; postpaid.

GIANT SWEET SPANISH VALENCIA—A globe-shaped onion of bright yellow color and mild flavor, a little larger than the Prizetaker. A good yielder and a splendid keeper; a fine variety for home or market use. **Prices:** Pkt. 10c; oz. 30c; ¼ lb. 85c; lb. \$3.00; postpaid.

GIANT YELLOW DENIA—The improved yellow Prizetaker; very large, light yellow in color, globe-shaped, small top, and a wonderful shipper. Very mild, and of excellent flavor. **Prices:** Pkt. 10c; oz. 20c; ¼ lb. 60c; lb. \$2.00; postpaid.

Silver Skin Onions.

Bermuda Onion Plants

Be sure to raise an early crop of Onions—from our genuine Bermuda Onion Plants.

For an early crop of onions, you should set out Bermuda Onion plants. A most desirable method to produce your onion crop, less labor and trouble, and you will have onions ahead of those who plant seed. Plants can be set out at the same time as Cabbage plants, in rows 15 inches apart and 3 to 4 inches apart in the rows. The following varieties furnished from January 10th to April 1st:

YELLOW BERMUDA—This variety described fully above. 25c per 100; \$1.00 per 500; \$1.75 per 1,000; postpaid. Ask for prices in larger quantities.

CRYSTAL WHITE WAX BERMUDA—The most attractive onion grown. Fully described above. **Prices:** 25c per 100; \$1.00 per 500; \$1.75 per 1,000; postpaid. Ask for prices in larger quantities.

Prizetaker Onion.

Selected Onion Sets

RED—Very hardy and good keepers. **Prices:** Lb. 35c; 3 lbs. 90c; postpaid. Ask for prices in larger quantities.

YELLOW—Produce medium-sized, globe-shaped yellow onions. **Prices:** Lb. 35c; 3 lbs. 90c; postpaid. Ask for prices in larger quantities.

WHITE—These sets produce large silvery-white onions, of the finest quality. **Prices:** Lb. 35c; 3 lbs. 90c; postpaid. Ask for prices in larger quantities.

Onion Plants.

Onion Sets.

English Peas

WITHOUT WHICH NO GARDEN IS COMPLETE.

CULTURE—For early peas the soil should be light and warm, but for general crop, a moderately heavy soil is better. Fresh manure and very rich or wet mucky soil should be avoided, as they cause a large growth of vine at the cost of the quality of the peas. The seed should be planted in rows at a depth of 1½ to 2 inches. Rows should be 21 to 28 inches apart for dwarf varieties and 28 to 42 inches for the taller sorts. The wrinkled varieties are more sensitive to wet weather than the smooth-seeded sorts, but are of superior quality. The crop should be gathered as fast as it is fit for use. If even a few pods begin to ripen, not only will new pods cease to form, but those partly advanced will stop growing. A packet will sow 20 feet of drill; a pound, 100 feet; 90 to 120 pounds per acre.

First Early Varieties

FIRST AND BEST—The earliest pea that is grown. A smooth sort, with wonderful ability to mature quickly; unsurpassed in extra early qualities, in flavor, and in size of pod. Free from runners, and the entire crop can be taken off at two pickings. Plants about 2½ feet high; matures in 48 days. Prices: Pkt. 10c; ½ lb. 20c; lb. 35c; 2 lbs. 65c; postpaid. Ask for prices in larger quantities.

PREMIUM GEM—A very desirable early green wrinkled dwarf variety. Vines are very productive, 15 to 18 inches high; pods of medium size, about 2¾ inches long, and crowded with 6 and 8 large peas of fine quality. Prices: Pkt. 10c; ½ lb. 20c; lb. 35c; 2 lbs. 65c; postpaid. Ask for prices in larger quantities.

NOTT'S EXCELSIOR—The best very early dwarf pea. Vines are large and productive and average about 12 inches high; pods about 2¾ inches long. The peas, in sweetness and quality, are unsurpassed. A desirable early sort for the market gardener, and home garden. Prices: Pkt. 10c; ½ lb. 20c; lb. 35c; 2 lbs. 65c; postpaid. Ask for prices in larger quantities.

THOMAS LAXTON—Most popular very early wrinkled variety; vines vigorous, of medium height, about 3 feet. Pods large, often 4 inches long, with square ends, and uniformly well filled, containing 7 medium dark green peas of superior quality. One of the very best sorts for the market and home garden. Prices: Pkt. 10c; ½ lb. 20c; lb. 35c; 2 lbs. 65c; postpaid. Ask for prices in larger quantities.

LITTLE MARVEL—An excellent dwarf sort for market and home garden. Pods average a little longer than those of Premium Gem; peas are of superior quality. Pods contain 7 very dark green peas of high quality. Prices: Pkt. 10c; ½ lb. 20c; lb. 35c; 2 lbs. 65c; postpaid. Ask for prices in larger quantities.

ALASKA—A smooth blue pea of unequalled evenness in growing of vine, and early maturing of pods, which are filled with medium sized bright green peas of good flavor. Plants are of medium height, from 2 to 3 feet. Pods are of good size, about 2½ inches long. Matures all of its crop at one time; a valuable variety for market gardeners and canners. Prices: Pkt. 10c; ½ lb. 20c; lb. 35c; 2 lbs. 65c; postpaid. Ask for prices in larger quantities.

Bliss Everbearing.

Second Early and Main Crop Varieties

BLISS EVERBEARING—Vines stout, of medium height, bearing at the top 6 to 10 good-sized pods, about 3 inches long. If these are picked after they mature, and the season and soil are favorable, the plant will throw out branches bearing pods which will mature in succession, thus prolonging the season. Prices: Pkt. 10c; ½ lb. 20c; lb. 35c; 2 lbs. 65c; postpaid. Ask for prices in larger quantities.

CHAMPION OF ENGLAND—A standard very productive main crop variety. Vines are about

4 to 5 feet high; pods are nearly round, and blunt-ended, containing 8 light green peas. Prices: Pkt. 10c; ½ lb. 20c; lb. 35c; 2 lbs. 65c; postpaid. Ask for prices in larger quantities.

DWARF TELEPHONE—A healthy stocky grower, very productive; does not require staking. The green pods frequently measure 5 inches in length, containing 9 to 10 peas. Prices: Pkt. 10c; ½ lb. 20c; lb. 35c; 2 lbs. 65c; postpaid. Ask for prices in larger quantities.

Tall Growing Varieties

WHITE MARROWFAT—The vines of this tall variety are about 5 feet high, and of strong growth; pods about 3 inches long, cylindrical, surface somewhat roughened, light colored, and well filled. Most desirable for summer use. Prices: Pkt. 10c; ½ lb. 20c; lb. 35c; 2 lbs. 65c; postpaid. Ask for prices in larger quantities.

IMPROVED TELEPHONE—The leading variety with market gardeners. Vines are tall and vigorous, growing about 4 feet high, and producing an abundance of pointed pods of large size, 4 to 5 inches long. Prices: Pkt. 10c; ½ lb. 20c; lb. 35c; 2 lbs. 65c; postpaid. Ask for prices in larger quantities.

MAMMOTH MELTING SUGAR—A tall, late prolific variety, produces large broad pods, tender and sweet; whole pod can be cooked and served like snap beans. Pods best when they are about half-grown. Vines grow four to five feet high. Prices: Pkt. 10c; ½ lb. 25c; lb. 40c; 2 lbs. 75c; postpaid. Ask for prices in larger quantities.

For increased production and improved soil, inoculate your English Peas with Nitrugin. See listing on page 42.

Tall Telephone.

First and Best.

Alaska.

Thos. Laxton.

Pepper

INDISPENSABLE FOR SAUCES AND SALADS
PLANT AT LEAST TWO VARIETIES

CULTURE—Sow seed early in hotbed, and when three inches high transplant in rows about 2½ feet apart and 2 feet apart in the row. Cultivate and keep free from weeds. A packet will produce about 100 plants; an ounce about 1000 plants; one-half pound will sow an acre.

Sweet Varieties

CALIFORNIA WONDER—A splendid new variety. Fruits are a dark green, smooth in surface, square in cross-section, and very large, usually about 4 inches across, and 4 to 5 inches deep. Flesh usually ½-inch thick, the thickest flesh of any pepper. Very desirable for the home garden and exceptionally profitable for commercial growers. **Prices:** Pkt. 10c; oz. 50c; ¼ lb. \$1.50; lb. \$5.00; postpaid.

BELL, or BULL NOSE—Not as tall-growing as the later varieties, but vigorous, sturdy, and productive. Fruits are a medium size square shape, and when immature they are deep green in color, turning to a bright scarlet-red when ripe. **Prices:** Pkt. 10c; oz. 30c; ¼ lb. 90c; lb. \$3.10; postpaid.

CHINESE GIANT—Plants vigorous and upright, about 2½ to 3 feet high. Fruits a rich deep green when immature, and bright scarlet-red when ripe. A desirable sort for the home garden and commercial growers. Flesh thick, mild and sweet, exceptionally desirable for use in salads; one of the best varieties for stuffing. **Prices:** Pkt. 10c; oz. 50c; ¼ lb. \$1.50; lb. \$5.00; postpaid.

RUBY KING—An improved American variety, very large and attractive. Plants about 2½ feet high, vigorous, and compact. Fruits 4½ inches long, of deep green color when young, and bright red when ripe. Flesh thick and mild, one of the most popular varieties for stuffing. **Prices:** Pkt. 10c; oz. 30c; ¼ lb. 90c; lb. \$3.10; postpaid.

RUBY GIANT—Very attractive, grows to large size, exceptionally mild, and when ripe is of a bright scarlet color. Excellent for stuffing and a desirable sort for home or market gardens. **Prices:** Pkt. 10c; oz. 35c; ¼ lb. 95c; lb. \$3.25; postpaid.

WORLD BEATER—One of the largest varieties of sweet pepper. A cross between Ruby King and Chinese Giant, having the good qualities of both. When ripe it is bright scarlet, and the flesh is very thick, mild, and of a very fine flavor. Desirable for home or market use. **Prices:** Pkt. 10c; oz. 35c; ¼ lb. \$1.00; lb. \$3.50; postpaid.

California Wonder.

Hot or Pungent Varieties

RED CHILI—A late variety. Pods are bright rich red, about 2 inches long, one-third to one-half inch in diameter at the base, tapering to a sharp point, and exceedingly hot when ripe. **Prices:** Pkt. 10c; oz. 40c; ¼ lb. \$1.10; lb. \$4.00; postpaid.

LONG RED CAYENNE—A well-known, medium early variety, having a slender, twisted and pointed pod, about 4 inches long. The color is deep green when the fruit is young, and bright red when ripe. Flesh is extremely strong and hot. **Prices:** Pkt. 10c; oz. 35c; ¼ lb. \$1.00; lb. \$3.50; postpaid.

Red Cayenne.

Pepper Plants

Many people prefer to set out their peppers from plants instead of planting the seeds themselves. For this reason we have had grown for us from pure Square Brand Seeds, pepper plants of the following most popular varieties: Bell or Bull Nose, Ruby Giant and Long Red Cayenne. These plants are strong and healthy, having been grown under ideal conditions to produce hardy, vigorous plants.

They should be unpacked upon receipt and planted immediately. Should there be any delay in the planting, unpack, dampen the roots and place in the soil temporarily. Even though they may be somewhat wilted upon receipt, plant them for they will revive.

Ready for shipment about the middle of May. **Prices: Postpaid—25 plants 35c; 50 plants 65c; 100 plants \$1.00. Write for prices in larger quantities.**

Market Gardeners and Truckers should be sure to call for quantity prices before buying their requirements of Pepper Plants.

World Beater.

Bell or Bull Nose Pepper.

Use Hotkaps on Your Pepper Plants

To produce fruits for the early market, Hotkaps will speed up the growth of your plants and enable you to bring them to fruit early and in time for high prices. On those vegetables which bring considerably higher prices early in the season, we recommend the use of Hotkaps. See page 22 for prices.

Parsley

CULTURE—Parsley succeeds best on rich, mellow soil. The seed is slow in germinating and should be sown as early as possible in the spring and drill 1 to 2 feet apart. Cover not more than ½-inch with fine soil firmly pressed down. When the plants are well up, thin 8 to 12 inches apart in the row. Use a packet to 25 feet of drill; an ounce to 150 feet; 5 pounds to an acre.

DOUBLE CURLED—A vigorous compact growing variety, excellent for garnishing and flavoring, and a handsome decorative plant. Leaves are finely cut, and the edges heavily crimped. Most popular for both the market and home garden. **Prices:** Pkt. 5c; oz. 15c; ¼ lb. 30c; lb. 90c; postpaid.

Parsnips

CULTURE—Excellent for table use, prepared like turnips or carrots. They are more nutritious than turnips, and any surplus may be fed to your stock, especially milk cows. Succeeds best on rich, mellow soil. The seed is slow to germinate, so sow in early Spring and cover the seed ½-inch, pressing soil down firmly. When well established, thin plants to 6 inches apart in drill. A packet will sow 40 feet of drill; an ounce 200 feet; 4 to 5 pounds per acre.

HOLLOW CROWN—An excellent variety for the table. Roots are long with smooth white flesh, uniform in shape, and very tender. **Prices:** Pk. 5c; oz. 15c; ¼ lb. 30c; lb. 90c; postpaid.

Pumpkins

CULTURE—May be planted in middle of spring among corn or in hills 8 to 10 feet apart each way. Four seeds in a hill. If planted in hills, they are cultivated in the same manner as melons and cucumbers. For winter use gather before frost and store in a warm, dry place. Use a packet to five hills; an ounce for 25 hills; 3 to 4 pounds per acre.

CONNECTICUT FIELD—Also called Big Tom. A standard cornfield variety, producing quantities of large orange-colored pumpkins, the fruits averaging 25 pounds in weight. **Prices:** Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c; postpaid.

GREEN STRIPED CASHAW—Fruits are crook-necked, with the seed in the blossom end. Rind white, mottled with irregular green stripes. Average weight is about 12 pounds. Most popular of the Cashaw types. Early and very productive. Measures 16x10 inches. **Prices:** Pkt. 5c; oz. 15c; ¼ lb. 35c; lb. \$1.10; postpaid.

JAPANESE PIE—Similar in shape to the Cashaw pumpkin, crook-necked, but the skin is a dark green, often showing a trace of lighter green stripes. A very early popular variety, and furnishes a large amount of food for stock or canning. Fruits weigh from 10 to 12 pounds. **Prices:** Pkt. 5c; oz. 15c; ¼ lb. 30c; lb. \$1.00; postpaid.

KING OF MAMMOTH PUMPKIN—The largest of all pumpkins; often called Hundred Weight. Used largely for stock feeding, and for exhibition purposes. Bright lemon in color, mottled with orange color, round with a trace of ribbing. **Prices:** Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.25; postpaid.

Read This Comment

We sell many seeds to market gardeners and they must have the best seeds possible to get.

Mr. F. W. Cornelius of Red Rock, Okla., in sending in his 1932 garden seed order made this comment: "I have ordered from you before and find your seed all the truck or market gardener could desire." What SQUARE BRAND SEEDS have done for Mr. Cornelius they will do for you.

Early Summer Crookneck Squash.

EARLY SUMMER CROOKNECK—Popular type of summer crookneck squash with bush vines. Fruits rather small, golden-yellow, and thickly covered with warts. **Prices:** Pkt. 5c; oz. 15c; ¼ lb. 35c; lb. \$1.00; postpaid.

FORDHOOK—A summer variety, adapted also for winter use. Fruits are about 8x3 inches in size; skin a light cream, while the sides are ridged or scalloped and taper toward the stemmed end; flesh extremely thick and sweet. It can be baked as you would bake sweet potatoes. **Prices:** Pkt. 5c; oz. 15c; ¼ lb. 35c; lb. \$1.00; postpaid.

HUBBARD WARTED—Fruits are bronze-green and very attractive. A desirable winter squash. Fruits weigh 15 pounds. **Prices:** Pkt. 5c; oz. 15c; ¼ lb. 35c; lb. \$1.00; postpaid.

Our Squash and Pumpkin seed are produced from the finest stock seed obtainable by the most reliable growers of vine seed, for the most critical trade. None of our seed is saved from culls or residue crops. Our sales are steadily increasing on Squash and Pumpkin seeds. We are sure you will be pleased with the superior stock we are offering.

Connecticut Field Pumpkin.

LARGE CHEESE—Fruits very flat, green-colored, and slightly ribbed. Widely used for canning purposes, keeps exceptionally well. Extremely prolific, and disease resistant. Fruits weigh 9 pounds. **Prices:** Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c; postpaid.

KENTUCKY FIELD PUMPKIN—Used very largely for canning, and for stock feeding. Fruits flat; seed small and rough. A very hardy late variety. The fruits weigh 10 pounds, and measure 12x7 inches. **Prices:** Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c; postpaid.

SMALL SUGAR PUMPKIN—A late, but very productive variety, thick, sweet flesh, adapted for all purposes. Fruits are round, and flat on the ends; with a deep orange color, and weigh from 6 to 7 pounds. **Prices:** Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. 90c; postpaid.

Large Cheese Pumpkin.

Square Brand Squash Seed

CULTURE—Plants are very tender and sensitive to cold and planting must be delayed until warm weather. The general principles of Culture are the same as those given for cucumbers and melons, but plants are less particular as to soil. Summer varieties should be planted four feet apart each way and the winter sorts eight feet. Three plants are sufficient for a hill. A packet will sow about 8 hills; an ounce 30 hills; 3 to 4 pounds per acre.

EARLY WHITE BUSH SCALLOP—The most popular of white summer types of squash. Fruits are rather small, quite flat, with ridges or scalloped edges. Extremely prolific, and disease-resistant. **Prices:** Pkt. 5c; oz. 15c; ¼ lb. 35c; lb. \$1.00; postpaid.

Early White Bush Squash.

Early Scarlet Turnip—White Top.

Plant More Radishes

They Contain Rich Vitamins

In order to have a succession of radishes it is desirable to plant weekly. They grow to maturity very rapidly. We recommend that every spring garden contain some Early Scarlet, some Scarlet Globe, and some White Icicle. Your winter garden should contain China Rose Winter, Long Black Spanish and Crimson Giant.

Our seeds are imported from the most reliable growers and are grown from transplanted stock seeds only. In other words, a consistent breeding program is maintained resulting in exceptionally pure stock. For the Trucker and Market Gardener we unhesitatingly urge the use of Square Brand Radish Seeds.

Vick's
Early
Scarlet
Globe.

White Icicle Radish.

**"Just the
Garden
Glove I've
been
Looking for"**

That's what you'll say, too, when you put on this new and different glove which has been specially designed for garden wear. Its unique qualities have made it nationally popular with both men and women.

All-Leather SOFT AS KID, Dirt-proof, Washable.

Sizes for women. Small, Medium, Large; for men: Medium and Large. Price: 75c a pair (2 pairs, \$1.40); postpaid.

Square Brand Radishes

CULTURE—For open ground culture, sow in rich, sandy soil as soon in the spring as it is fit to work, in drills 12 to 18 inches apart, and thin out the plants to prevent crowding. They should receive plenty of water, and in order to raise the best radishes, they should be grown quickly. Crisp radishes cannot be produced in heavy soils. Successive sowings from one week to ten days apart will keep up a supply. A packet will sow 20 feet of drill; an ounce 100 feet; 8 to 10 pounds per acre. Thin out the small varieties one inch apart and the larger varieties 3 to 4 inches.

EARLY SCARLET TURNIP WHITE TIPPED (Sparkler Strain)—Small round roots of rich scarlet color, with a pronounced tip of pure white, well adapted for forcing; remains solid and crisp a long time. Ready for table use in 20 days after planting. Prices: Pkt. 5c; oz. 10c; 1/4 lb. 20c; lb. 65c; postpaid.

VICK'S EARLY SCARLET GLOBE—A slightly olive shape variety, rich bright scarlet in color. Flesh white and tender; especially recommended to gardeners as a large, fast, early forcing radish. Also desirable for the home gardener and market. Prices: Pkt. 5c; oz. 10c; 1/4 lb. 25c; lb. 75c; postpaid.

CRIMSON GIANT—A round radish of exceptionally large size, and early. Roots are nearly globe-shaped, of beautiful crimson color; desirable for general outdoor planting and for forcing where a very large round radish is wanted. Prices: Pkt. 5c; oz. 10c; 1/4 lb. 25c; lb. 75c; postpaid.

CHARTIER—One of the best long radishes for planting outdoors for early summer use in the home garden. Also used for market. Tops medium size; roots remain hard and crisp for a long time. Prices: Pkt. 5c; oz. 10c; 1/4 lb. 20c; lb. 65c; postpaid.

CINCINNATI MARKET—A desirable market variety with roots similar to early Long Scarlet Short Top, but longer and a deeper red, remaining a little longer in condition for use. Prices: Pkt. 5c; oz. 10c; 1/4 lb. 20c; lb. 65c; postpaid.

FRENCH BREAKFAST—A quick growing, small olive-shaped radish about 1 1/2 inches long by 5/8 of an inch in diameter when full grown. Color beautiful deep rose scarlet, except a little clear white about the tips. Desirable for market gardens. Prices: Pkt. 5c; oz. 10c; 1/4 lb. 20c; lb. 65c; postpaid.

EARLY SCARLET TURNIP—An excellent extra early forcing radish. Roots are small, nearly round, and of bright scarlet color; tops very small; flesh white, crisp, and well flavored. One of the best of the forcing varieties. Prices: Pkt. 5c; oz. 10c; 1/4 lb. 20c; lb. 65c; postpaid.

LONG SCARLET SHORT TOP—An extra early, long radish, ready for use in 25 days. Roots grow 5 to 6 inches long with a third of their length above the ground. Flesh is crisp and tender until fully grown; tops short and small. Prices: Pkt. 5c; oz. 10c; 1/4 lb. 20c; lb. 65c; postpaid.

WHITE ICICLE—The leading long white radish, and one of the earliest. Tops are medium size; roots clear white, slender, smooth, and average when mature 6 to 7 inches long. Very crisp and tender. Prices: Pkt. 5c; oz. 10c; 1/4 lb. 25c; lb. 80c; postpaid.

CHINA ROSE WINTER—Extensively grown for fall and winter use. Roots are cylindrical, or largest near the bottom, and blunt at both ends. Skin smooth and of a bright deep rose color. A desirable late maturing garden variety. Prices: Pkt. 5c; oz. 10c; 1/4 lb. 25c; lb. 80c; postpaid.

LONG BLACK SPANISH—Especially adapted for winter use. Roots long, thick, almost black, somewhat wrinkled. Flesh white, of firm texture, decidedly pungent. Prices: Pkt. 5c; oz. 10c; 1/4 lb. 25c; lb. 80c; postpaid.

Early Scarlet Turnip Radish.

Reselected Spinach

CULTURE—The seed should be planted in very rich ground in drills 16 to 20 inches apart. Plants should be thinned out six inches apart in the row when the leaves are an inch wide. Seed may also be sown broadcast. The main crop is sown in September or October for winter use, and in February and March for spring use. A packet will sow about 25 feet of drill; an ounce 100 feet; 12 to 15 pounds per acre in drills; 20 to 25 pounds broadcast.

RESELECTED BLOOMSDALE SAVOY—A very early variety, and one of the best to plant in autumn for early spring use. Plants upright, with thick, glossy, dark green leaves of medium size, pointed but quite broad and crumpled. **Prices:** Pkt. 5c; oz. 10c; ¼ lb. 15c; lb. 40c; postpaid.

VIROFLAY—Desirable for either spring or fall sowing. Leaves are very large, broad, thick, and arrow-shaped, much crumpled, and dark green in color. Desirable for canning. **Prices:** Pkt. 5c; oz. 10c; ¼ lb. 15c; lb. 40c; postpaid.

NEW ZEALAND—Not related to true spinach but the leaves bear a resemblance to spinach and are useful as greens. Best for hot weather. The tender shoots are good quality, and may be cut throughout the summer. Plant three or four seeds in holes two feet apart each way. Germination of the seed can be hastened by soaking in warm water twenty-four hours before planting. **Prices:** Pkt. 5c; oz. 15c; ¼ lb. 30c; lb. 90c; postpaid.

Reselected Bloomsdale Savoy.

Salsify (Oyster Plant)

CULTURE—Sow in rows 12 to 18 inches apart. Thin to 6 or 7 inches apart in the row. Cover the seeds firmly with one-half inch fine soil; the roots when cooked are very palatable and the flavor is similar to the oyster. One ounce will sow 50 feet of row.

MAMMOTH SANDWICH ISLAND—Produces long, smooth, white, tapering roots. Tender and delicious. **Pkt. 10c; oz. 20c; ¼ lb. 60c; lb. \$2.00; postpaid.**

Square Brand Selected Tomato Seed

CULTURE—Tomatoes do best on light, warm, not over-rich soil, and success depends largely upon securing a rapid, vigorous, and unchecked growth during the early part of the season. Sow in January and February in hotbeds for early crops. Set out the plants as soon as danger from frost is over, but before doing so, harden off the plants by gradually exposing them to the night air and by the withdrawal of water until the wood becomes hard and the leaves thick and of a dark green color. Transplant carefully and cultivate well as long as the vines will permit. If to be grown without training, the plants are usually set from three to four feet apart each way, according to the growth of the variety. All our tomato seed are from carefully selected seed stocks and we invite comparison of our stocks with any offered. A packet will produce about 100 plants; an ounce about 1,500 plants; 4 ounces will produce sufficient plants to set out an acre.

GREATER BALTIMORE—A mid-season, or main crop variety, extensively used for canning. Also desirable for home garden. Fruits are medium to large-sized, solid and meaty, of a rich bright red color. **Prices:** Pkt. 10c; oz. 25c; ¼ lb. 75c; lb. \$2.50; postpaid.

EARLY ACME—A well known hardy, early, and productive variety. Fruits are purplish-pink, round, smooth, and of medium size, free from cracks, stand shipment very well. A very good home garden variety. **Prices:** Pkt. 10c; oz. 30c; ¼ lb. \$1.00; lb. \$3.25; postpaid.

MARGLOBE—A cross between Livingston Globe and Marvel. Disease-resistant, very valuable for use in disease-infested districts. A main crop or mid-season variety with fruits of deep red color, globe-shaped. Excellent for shipping, also very desirable for the home garden. **Prices:** Pkt. 10c; oz. 40c; ¼ lb. \$1.25; lb. \$4.50; postpaid.

GULF STATE MARKET—A very desirable variety for the home gardener or the grower for local markets. Fruits are medium to large size, round or globe-shaped, and are smooth and free from cracks. Deep purplish-pink in color, ripening well about the stem. **Prices:** Pkt. 10c; oz. 40c; ¼ lb. \$1.15; lb. \$4.00; postpaid.

DWARF CHAMPION—A second early, or main crop purplish-pink variety, especially desirable where garden space is limited. Vines are about 2 feet high, vigorous, upright, and compact. One of the best small tree varieties. **Prices:** Pkt. 10c; oz. 40c; ¼ lb. \$1.25; lb. \$4.25; postpaid.

EARLY DETROIT—One of the best and earliest of the early purplish-pink varieties. Vine vigorous and very productive. Valuable for shipping, also desirable for the home garden and markets. **Prices:** Pkt. 10c; oz. 30c; ¼ lb. \$1.00; lb. \$3.25; postpaid.

Marglobe.

McGEE—Yields where others fail. A large yield, and very prolific. Fruits are large, solid, with very few seeds, of fine flavor, and are a bright crimson color. Very desirable for planting in the black-land belt of Texas. **Prices:** Pkt. 10c; oz. 30c; ¼ lb. \$1.00; lb. \$3.25; postpaid.

BONNY BEST—Fruits of this desirable, early sort are most attractive, vines vigorous and very productive, produce a good crop of exceptionally round and deep fruits, bright, deep scarlet in color. A very good variety for the early market and home garden. **Prices:** Pkt. 10c; oz. 30c; ¼ lb. \$1.00; lb. \$3.25; postpaid.

YELLOW PEAR—Produces fruits of a rich clear yellow color, distinctly pear-shaped and of excellent flavor. Used for preserves, and to make "Tomato Figs," an enormous bearer. **Prices:** Pkt. 10c; oz. 40c; ¼ lb. \$1.45; lb. \$5.00; postpaid.

SPARK'S EARLIANA—Planted extensively by market gardeners, and home gardeners. Fruits are bright deep scarlet, medium to large, nearly round, smooth, solid, and produced in clusters in the center of the plant. **Prices:** Pkt. 10c; oz. 30c; ¼ lb. \$1.00; lb. \$3.25; postpaid.

JOHN BAER—An extra early scarlet-fruited variety. Vines very hardy, and especially productive. Fruits are the largest of the extra early varieties, nearly round, smooth, firm, and of excellent quality. A desirable variety for market gardeners, shippers, and canners. **Prices:** Pkt. 10c; oz. 30c; ¼ lb. 85c; lb. \$2.75; postpaid.

JOHN BAER

Tomatoes (Continued)

Dwarf Champion.

REDFIELD BEAUTY—Very vigorous and its comparative freedom from rotting under the most trying conditions makes it a favorite everywhere. Color is glossy-crimson with a slight tinge of purple. **Prices: Pkt. 10c; oz. 30c; ¼ lb. \$1.00; lb. \$3.25; postpaid.**

CHALK'S EARLY JEWEL—Fruits are a bright deep scarlet-red, nearly round or somewhat flattened, smooth and of large size. Ripens very early, and the pickings continue through a long season. One of the best varieties for the home garden. **Prices: Pkt. 10c; oz. 30c; ¼ lb. 85c; lb. \$2.75; postpaid.**

EARLY TEXAS SPECIAL—A bright scarlet variety not only on the surface but all the way through. Fruits are large, regular in shape and a semi-globe type. Vines are vigorous and prolific and bear their fruits in clusters. Very desirable for salad or slicing, also for canning. In our trial the fruits averaged from 7 to 8 ounces in weight and matured in 90 days after planting. **Prices: Pkt. 10c; oz. 40c; ¼ lb. \$1.15; lb. \$4.00; postpaid.**

Chalk's Early Jewel.

Tomato Plants

Our Tomato plants are grown from Square Brand Seeds. The varieties we offer below are true to type and strong healthy plants. Following varieties ready for shipment about the middle of April: Dwarf Champion, Dwarf Stone, McGee, Beauty and Early Jewel.

Prices—Postpaid	
25 plants..	\$.35
50 plants..	.45
100 plants..	.60
1,000 plants..	3.50

CLARK'S EARLY—A medium early variety of bright scarlet color. Fruits large, regular in shape and exceptionally deep through from stem to bottom. Vines are vigorous and prolific and bear their fruits in clusters that are most attractive. Desirable for canning and also good for slicing. **Prices: Pkt. 10c; oz. 40c; ¼ lb. \$1.15; lb. \$4.00; postpaid.**

Clark's Early.

Hotkaps

Hotkaps protect plants from frost, wind, rain and insects, by completely covering them—the only way to **really** protect them. They also maintain a perfect mulch around each plant. With Hotkap protection, crops are 10 per cent to 25 per cent larger and mature 2 to 3 weeks earlier—in time for early market prices and extra profits.

Hotkaps are patented wax paper cones—placed over seeds or plants at time of planting. They are inexpensive to use. One man can set around 2,500 per day.

NEW LOW PRICES!

Hotkaps are packed 1,000 to the roll; shipping weight, 28 lbs.
F. O. B. Dallas.

1,000	\$9.75
5,000 lots, per 1,000	9.60
10,000 lots, per 1,000	9.50
STEEL HOTKAP SETTER —Shipping weight 3 lbs; each	2.25
HOME PACKAGE —100 Hotkaps, including Garden Setter with Tamper. Shipping weight 5 lbs.....	2.25
TRIAL PACKAGE —250 Hotkaps, including Garden Setter with Tamper. Shipping weight 9 lbs.....	3.50

Modern Methods Increase Your Profits

YOU CAN HAVE
EARLIER CROPS TO SELL
AT HIGHER PRICES
BY USING HOTKAPS

Turnips and Rutabagas for Market and Home Garden

CULTURE—For summer use, sow early in spring in light, rich or new soil in drills $1\frac{1}{2}$ to 2 feet apart and cover one-half inch deep. They may be sown broadcast, but in either case be sure to have the ground rich and freshly stirred. It is important to get the spring and summer crops started early so that the turnips may have time to grow to sufficient size before hot weather causes them to become tough and bitter. For the fall or main crop, sow from the middle of July to the middle of September and in the manner given for spring sowing. A packet will sow about 50 feet of drill; an ounce 250 feet; 1 pound per acre in drills, or 2 to 3 pounds broadcast.

AMBER GLOBE—One of the best yellow-fleshed varieties. Roots are of large size and globular shape and the skin is a clear yellow, except the top, which is tinged with green. Prices: Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 20c; lb. 50c; postpaid.

EARLY WHITE FLAT DUTCH (Strap Leaf)—Very early white turnip, extensively used for the table. Roots are medium-sized, flat, very white-fleshed, fine-grained, and sweet. Prices: Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 20c; lb. 50c; postpaid.

PURPLE TOP WHITE GLOBE—Globular in shape, of good size, and very attractive appearance. Roots large, purple or dark red above ground, white below, and mature in 60 days. Flesh white, fine-grained, and tender. Very popular with market gardeners, and for the home garden. Prices: Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 20c; lb. 50c; postpaid.

WHITE EGG—Early oval, or egg-shaped variety, with smooth clear white roots of medium size; flesh clear white, firm, fine-grained, and sweet. Prices: Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 20c; lb. 50c; postpaid.

EARLY PURPLE TOP (Strap Leaf)—A very early variety, very extensively used for the table. Leaves are few and upright in growth. Roots flat, medium size, of a purple or dark red color. Best variety for early spring or fall sowing. Prices: Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 20c; lb. 50c; postpaid.

POMERANIAN WHITE GLOBE—One of the most productive varieties. Roots are globe-shaped, or slightly flattened, skin very white and smooth. Best for table when the roots are not more than 4 to 5 inches in diameter. A favorite with home gardeners and canners when the tops are used for greens. Prices: Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 20c; lb. 50c; postpaid.

LONG WHITE COWHORN—Roots of this variety are often 12 to 15 inches long and 3 inches in diameter, carrot-like in form and slightly crooked. Best for table use when 3 or 4 inches long, but can be grown longer for stock feeding. Prices: Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 20c; lb. 50c; postpaid.

SHOGGIN or JAPANESE—A new variety extremely useful, especially valuable for turnip greens. Leaves grow upright about 2 feet high when fully developed, and due to its rapid growth, it is practically free from insect attacks. Roots pure white, between flat and globe in shape; very popular with the canners. Sometimes sold as louse-resistant turnip. Prices: Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 25c; lb. 65c; postpaid.

SEVEN TOP (For Turnip Greens)—Cultivated extensively for the tops, which are used for greens. Very hardy and the growth usually continues throughout the winter. Not generally depended upon for the root. Prices: Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 20c; lb. 50c; postpaid.

RUTABAGA—IMPROVED AMERICAN PURPLE TOP—A strain of purple-topped Rutabaga, with a smaller top and much shorter neck than other varieties. Roots are globular shaped and grow to a large size. Excellent for both table use and stock feeding. Prices: Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 20c; lb. 50c; postpaid.

Purple Top, White Globe.

White Egg Turnip.

Rutabaga.

Magnolia Seed Co.,
Dallas, Texas.

Alanreed, Texas, May 20, 1932.

Dear Sirs:

Just a few lines to let you know how my garden seeds are doing. My English peas are two weeks old. Every one says they are doing just beautiful; also the cucumbers, radishes, beets and onions. I received the English peas and celery last Saturday. Sure thank you. Think several of my friends will order from you as they sure think my garden is beautiful. They say it's because I keep it so clean. I tell them it is because I have the very best seeds and I mean it. They are sure fine. Everyone says I have the finest garden for miles around. I'm a young married woman, just a new beginner, so you may know it's mostly in the seeds. I expect to get lots of seeds from you for my fall garden as I prefer them to all others I ever saw. MRS. A. M. BELKNAP.

Shogoin or Japanese Turnip.

Herbs

CULTURE—Most herbs thrive best in sandy soil and are better flavored when grown on poor soil. The soil should be carefully prepared and well cultivated as the young plants are easily choked out by weeds. Sow as early as the ground can be made ready in drills 16 to 18 inches apart, lightly pressing the soil over the seed. Most of them should be cut when in bloom, wilted in the sun and thoroughly dried in the shade.

ANISE—An annual herb, cultivated principally for its seeds. Used medicinally for aromatic cordials, colic and nausea. Also used for garnishing and flavoring.

BASIL, SWEET—A hardy aromatic annual. Seeds and stems are used in soups and sauces.

CARAWAY—A well known herb, cultivated for its seeds, which are used in confectionary, cakes, etc.

CORIANDER—A hardy annual, cultivated for its seed which are used in confectioneries and to disguise the taste of medicine.

DILL—An annual of aromatic odor and warm pungent taste. Seeds are used for seasoning, produces medicinal properties but it is largely used for making dill pickles.

FENNEL, SWEET—Seeds of this aromatic herb are sometimes used in confectioneries, also in various medicinal preparations.

SAGE—One of the most extensively used herbs for seasoning. Cut the leaves in tender shoots just as the plant is coming into flower and dry quickly in the shade.

SAVORY, SUMMER—A hardy aromatic annual. The dried stems, leaves and flowers are extensively used for seasoning, especially in dressings and soups.

THYME—An aromatic perennial herb, used principally for seasoning. Prices on all above: Pkt. 10c; 3 pkts. 25c; postpaid.

Roots

ASPARAGUS—See Page 4.

HORSE RADISH—Horseradish can be grown successfully almost anywhere in the South, but gives best results in rich, rather moist, partly shaded locations. Prices: 40c per doz.; 25 roots 70c; 50 roots \$1.20; 100 roots \$2.15; postpaid.

RHUBARB, or PIE PLANT—The earliest plant you can use in the spring for pie-making and stewing. Also has great medicinal qualities. Recommended for Gulf Coast sections, but it does well in the central south and central north in moist, rich, heavily fertilized, partly shaded locations. Set out the roots in early spring. Prices: 25c each; \$2.50 dozen; postpaid.

Mammoth French White Artichokes

**MULTIPLY YOUR FARM PROFITS!
AN IDEAL FOOD CROP FOR MAN AND BEAST.**

There is not a farmer in the State of Texas whose land will raise a crop of cotton, who cannot, with less expense and work, raise a crop of Artichokes which can be made to mean as much or more for him. There are really two crops to Artichokes—first a forage crop, or animal food crop, consisting of plants from five to eight feet high, making from nine to fourteen tons of feed to the acre.

The second crop is the tuber or artichoke itself. It means more to the farmer because every pound is excellent food for both humans and animals. It has an unusually heavy sugar content, and a flavor that is exceptionally appealing. The tubers are one of the best feeds for cattle, sheep, hogs, horses, also poultry, turkeys, ducks and geese. We recommend it especially for hog feed.

Many food products for human consumption can be made from these Mammoth French White Artichokes. They are very pleasing cooked in all the methods com-

mon to ordinary white potatoes, such as baked, boiled, fried, au gratin, made into salads, soups, etc.

Whole tubers of the smaller sizes have been found very satisfactory for planting, while the larger tubers may be cut in pieces for planting, the same as potatoes. Five to seven bushels are required for planting an acre.

These artichokes are adapted to all soils except those that are very moist. They will do better on poor soils than most tuber crops, are easily cultivated because of their strong-growing and wide-branching habit, and their large heavy leaves. Freezing while under the soil will not harm them.

Technical bulletin No. 33, issued by the U. S. Department of Agriculture, Washington, D. C., gives much information about these artichokes. It may be gotten by writing the department for it. Prices: 5 lbs. 50c; 10 lbs. 85c; postpaid. Per bu. of 50 lbs. \$1.50; F. O. B. Dallas.

Seed Sweet Potatoes

CULTURE—Cover about five inches deep and water moderately, when plants are formed set one foot apart on ridges four feet apart, well drawn up and rather flat.

CERTIFIED PORTO RICAN YAMS—The best keeper. Flesh is fine grained, juicy; color, golden red. Prices: Pk. 40c; bu. \$1.50; not prepaid.

Sweet Potato Slips

Beginning about April 20th we will have Porto Rican Yam slips grown from Certified seed. Prices: 100 plants 40c; 500 plants \$1.50; 1,000 plants \$2.25; postpaid. Ask for prices on larger quantities.

Semesan Bel Increases Your Potato Yield

The spotty stand of potatoes on the left grown from untreated seed did not produce as large a yield as the fine stand of vigorous plants on the right, from Improved Semesan Bel treated seed.

At a cost of only 1½c to 3c for each bushel of seed planted, you can disinfect your seed potatoes and increase your yield. Semesan Bel treats quickly, easily, and effectively. It insures you against scab and rhizoctonia—two virulent diseases that play havoc with potato production. Only by controlling these and other destructive diseases can you hope to obtain the lowest bushel cost and the greatest bushel profit.

A single pound of Semesan Bel will treat from 60 to 80 bushels of seed potatoes. Postpaid prices: 4 oz. tin 50c; 1 lb. tin \$1.75; 5 lb. tin \$8.00; 25 lb. pail \$31.25.

Seed Irish Potatoes

IT PAYS TO PLANT CERTIFIED SEED AND TO TREAT WITH SEMESAN BEL

It is false economy to save fifty cents a bag by buying ordinary seed potatoes, when certified seed can be had. The most successful potato growers use nothing but certified seed. Certification has done for potatoes what breeding has done for horses, cattle, hogs, etc. Less disease, more No. 1 potatoes and greater profit to the grower. Every bag carries the tag of the inspection authorities; this is an assurance that every safeguard has been applied to have them as pure as is humanly possible.

CULTURE—Plant about four inches deep in rows 28 to 34 inches apart, and drop the potatoes 10 to 15 inches apart in the row. Soil should be well manured or well fertilized. A ridge should be thrown over the potatoes after planting and then leveled down just before the potatoes come through, and cultivate well until in bloom, and then ridge up again and leave alone until harvested.

CERTIFIED BLISS RED TRIUMPH—Those who prefer a potato with a pink skin and white flesh, or who grow for markets where this color is in demand, we recommend our Certified Bliss Triumph. It is one of the very earliest, nearly round, and peels without waste. A fine yielder and always in good demand. Ask for prices.

CERTIFIED IRISH COBBLER—A very good shipper, somewhat larger than the Triumph and white in color. Especially desirable for black soils. Ask for prices.

Certified Irish Cobbler.

Your Home Can Be Made More Beautiful With Flowers Grown From Square-Brand Selected Seeds

Now, more than ever before, men and women need beauty in their homes and in their yards. There is no more cheering influence than the beauty of Nature's flowers. There is no more interesting study than the growing of different kinds of flowers to beautify and inspire happiness in the home.

Grow More Flowers

While remarkable results are secured without much care, yet the more care you give your flowers the greater the return will be to you and the more interesting they will become. In addition to the pleasure to be gained from watching the production of blooms, they may be made a source of considerable profit by selling them to your local florist. We recommend, where you desire to grow flowers for commercial purposes, that you see your florist in advance of

planting and determine the kinds of flowers in which he will be interested, thus arranging your outlet for flowers and assuring yourself of having the right varieties for his needs.

The most popular varieties of flowers are listed in this catalog. Reading over the information given, you will be able to make your selections for whatever purpose you may want them. Do not overlook the bulbs and roots, listed on the inside front cover and the inside back cover of this catalog.

Where very early blossoms are desired you may prefer to buy plants instead of flower seeds. The following list of plants will be available March 1st, and we recommend them to you. They are grown under ideal conditions for making strong, hardy plants, and are produced from Square Brand selected flower seeds. Be sure to unpack and plant the day you receive your order.

SEE FLOWER SEED SECTION FOR DESCRIPTION OF FLOWERS.

SPRING PLANTS

	Postpaid			Postpaid	
	1/2 Doz.	Doz.		1/2 Doz.	Doz.
AGERATUM —Mexicanum blue	.30	.50	MARIGOLD —Tall, double, lemon ball or orange ball	.30	.50
ANTIRRHINUM (Snapdragon)	.30	.50	MARIGOLD —Dwarf Mexican	.35	.60
ASTERS —California Giants, mixed colors.....	.30	.50	MINT —Roots to be planted close to hydrant. Leaves add a delicious flavor, when crushed, to tea	.60	1.00
BEGONIAS —Everblooming; red, pink or white... 2.30	4.30		PANSIES —Giant winter blooming.....	.35	.60
CALENDULA —(A pot Marigold) yellow and gold flowers	.30	.50	PERENNIAL SWEET PEAS —Red, pink, or mixed colors	1.40	2.60
CARDINAL CLIMBER	.75	1.35	PINKS —Carnation, mixed colors.....	.45	.75
COLEUS —Hybrid; brilliant foliage plant.....	.45	.75	PETUNIAS —Ruffled Monsters, Carnation Flowered, Giant Double (about 60 per cent double), pink, coppery red, or rich purple, and low-growing monsters for border plants.....	.30	.50
CHRYSANTHEMUMS —Giant mums; pink, white, or yellow mistletoe, pink Engleard, pink October Queen, Bronze Wonder.....	.45	.75	SALVIA —(Scarlet Sage)	.30	.50
CHRYSANTHEMUMS —Small mums; baby yellow or white, daisy white, yellow center.....	.40	.65	STOCKS —Large flowering ten weeks, mixed colors.	.30	.50
DAHLIA —Mixed colors	.40	.65	SULTANAS —Red or salmon.....	1.40	2.60
DAISY —Shasta, white, yellow centers.....	.30	.50	VERBENA —Scarlet, cerise, blue, purple, white or yellow	.30	.50
DAISY —Marguerita, small blooms.....	.30	.50	VINCA —(Periwinkle) Red, white, or white and red eye	.35	.60
FERNS —Feather fern, Whitmanii (Ostrich Plume fern), or Boston fern.....	1.35	2.50	WANDERING JEW —A trailing foliage plant, especially desirable for hanging-baskets, porch boxes, etc, Variegated or green, 6 rooted stems for... 1.35	2.50	
GERANIUMS —Always popular plants. Mixed colors	1.40	2.60	ZINNIA —Giants, Red, pink, white, yellow, orange and other colors.....	.30	.50
HIBISCUS	1.70	3.15	ZINNIA —Lilliputs, mixed colors.....	.30	.50
HOLLYHOCK —Double red, white, pink, or yellow.	.40	.65			
HYDRANGEA —Beautiful French variety, bluish pink flower; for indoor plant.....	2.00	3.75			
HYDRANGEA —Outdoor variety, large, strong plant	2.00	3.75			
LANTANA —Red, orchid and trailing lavender....	.80	1.40			
LARKSPUR —Red, white, pink or purple.....	.30	.50			

Prepare Your Flower Beds Before Planting

There are no profound secrets about growing beautiful flowers; yet it is necessary to study them, just as you would anything else you attempt to raise. The few hints given below will be of assistance to you:

SOIL—Practically all plants like rich, sandy loam, but other types of soil will also produce very satisfactory flowers. Bear in mind, however, that heavy soils need applications of fibrous materials and must be thoroughly broken and cultivated. Sandy soils usually need fertilizers.

PREPARATION—This is one of the most important factors in gardening. Work the soil deeply and make the top, for three or four inches, as fine and loose as possible. If the soil needs fertilizers, and most soils do, consult your local SQUARE BRAND Seed Dealer, or write us and we shall be glad to recommend that best suited to your needs, if you will tell us the kind of soil you have.

PLANTING—Many gardeners err in their method of planting, resulting in weak plants which soon die, or fail to produce the results desired. In addition to the preparation of the soil, it is necessary that care be used to see that the seeds are placed the proper depth. Many small seeds can have only the smallest amount of soil above them; others of the larger varieties may be planted one or more inches below the soil. Be sure, also, to plant when heat and moisture

conditions are correct. A study of the seed is necessary to determine that—and again your seedsman or we shall be happy to be of assistance to you. Moisture should be within your control—especially for flowers. To retain moisture after planting, cover the seed immediately with fine, freshly prepared earth and press it down firmly and smoothly.

CULTIVATION—It is desirable to stir the surface soil during the period of growth, since it encourages root development, allows air to enter and by forming a mulch, preserves moisture—in addition to killing weeds. Cultivation may be deep at first, but as the plants grow, it should be shallower, since otherwise it might injure the root system.

Our flower seeds are put up in our own lithographed packets, with full cultural directions on the back of each packet. They are usually classed under one of the following three types:

Annuals—Plants that live and bloom only one season.

Biennials—Plants which bloom the second year, and then die.

Perennials—Plants which bloom the second year and live and bloom several years.

Biennials and Perennials are usually planted in the late summer and fall, blooming the next summer.

Ageratum.

Alyssum (Continued)

LITTLE GEM (Carpet of Snow)—Beautiful white sort for edging, borders and rock work. Grows about six inches high, producing a compact mass of flowers usually fifteen to eighteen inches across. **Prices:** Pkt. 10c; 3 pkts. 25c; oz. 70c; postpaid.

Amaranthus

These plants afford brilliant contrasts of color, being useful for tall borders, groups and foliage effects. The leaves and stems are of different shades of red, blended usually with green; two to three feet high.

CAUDATUS (Love Lies Bleeding)—A rapid-growing annual with long, drooping crimson flower spikes. Height about 3 feet. **Prices:** Pkt. 10c; 3 pkts. 25c; oz. 50c; postpaid.

TRICOLOR (Joseph's Coat)—The brilliant leaves of this variety appear in red, yellow and green. **Prices:** Pkt. 10c; 3 pkts. 25c; oz. 50c; postpaid.

Antirrhinum (Snapdragon Large Flowering)

This border and bedding plant of long-blooming season is one of the most popular annuals. The long showy spikes of curiously-shaped tubular flowers with spreading lobes and finely-marked throats are fragrant as well as brilliantly colored; desirable for cutting. Seed may be sown in the fall or spring but where the winters are severe the gardener who wants early flowers should start the seed quite early under glass and transplant to a sunny situation as soon as the ground is warm.

TALL-GROWING VARIETIES—Produce long, graceful spikes of flowers which are unsurpassed for cutting. Grow about three feet high.

Aster.

Acroclinium (Everlasting)

Half hardy annual, about 15 inches tall. Very useful for fresh cut blooms and for winter bouquets. The double daisy-like flowers, about one inch across, borne singly on long stems, are at first inclined and later stand erect. For use as everlastings cut when only partly expanded.

DOUBLE MIXED—**Prices:** Pkt. 10c; 3 pkts. 25c; oz. 50c; postpaid.

Ageratum (Floss Flower)

A beautiful, hardy annual of neat, bushy habit. The attractive feathery flowers, borne in dense clusters, are very useful for bouquets. Also desirable for outdoor bedding and borders, being covered with bloom nearly all summer.

BLUE PERFECTION—Light blue, about two feet high.

Prices: Pkt. 10c; 3 pkts. 25c; oz. \$1.00; postpaid.

IMPERIAL WHITE—**Prices:** Pkt. 10c; 3 pkts. 25c; oz. \$1.00; postpaid.

MIXED—Very desirable for borders. **Prices:** Pkt. 10c; 3 pkts. 25c; oz. 80c; postpaid.

Alyssum

The annual varieties can be grown very readily either outdoors or in the house and by cutting back the plants properly an almost constant succession of bloom may be had. Seed can be sown outdoors in fall.

SWEET—Hardy annual used for border-edging or massing in small beds, blooming early in the spring, with clusters of small, pure white cruciform flowers having a delicate fragrance, most useful in small bouquets. Usually not over eight inches high, but spreading. **Prices:** Pkt. 10c; 3 pkts. 25c; oz. 50c; postpaid.

Sweet Alyssum.

Snapdragon.

Asters

Finer types and larger flowers have made the Aster become one of the most important of the annual flowers. It is equally desirable for cutting and bedding and embraces a wide range in size, color, form and season of blooming. For early blooming,

seed should be started indoors or in hotbeds in December and January; transplant as soon as danger of frost is over.

LIGHT BLUE—**Prices:** Pkt. 10c; 3 pkts. 25c; oz. \$1.25; postpaid.

PINK—**Prices:** Pkt. 10c; 3 pkts. 25c; oz. \$1.25; postpaid.

ROSE—**Prices:** Pkt. 10c; 3 pkts. 25c; oz. \$1.25; postpaid.

WHITE—**Prices:** Pkt. 10c; 3 pkts. 25c; oz. \$1.25; postpaid.

FINEST MIXED—**Prices:** Pkt. 10c; 3 pkts. 25c; oz. \$1.00; postpaid.

SCARLET—**Prices:** Pkt. 10c; 3 pkts. 25c; oz. \$1.00; postpaid.

PURE WHITE—**Prices:** Pkt. 10c; 3 pkts. 25c; oz. \$1.00; postpaid.

ROSE-PINK—**Prices:** Pkt. 10c; 3 pkts. 25c; oz. \$1.00; postpaid.

YELLOW—**Prices:** Pkt. 10c; 3 pkts. 25c; oz. \$1.00; postpaid.

MIXED COLORS—**Prices:** Pkt. 10c; 3 pkts. 25c; oz. 90c; postpaid.

SEMI-DWARF VARIETIES—ORANGE-SCARLET—**Prices:** Pkt. 10c; 3 pkts. 25c; oz. \$1.25; postpaid.

LILACY MAUVE—**Prices:** Pkt. 10c; 3 pkts. 25c; oz. \$1.25; postpaid.

MIXED COLORS—**Prices:** Pkt. 10c; 3 pkts. 25c; oz. \$1.00; postpaid.

Calendula.

Double Balsam Lady Slipper

The brilliantly-colored double rose-like flowers of this well-known border and bedding annual are thickly set along the branches of the erect, bushy plants. Dainty individual flowers, often two inches across, are borne on very short stems and when cut they show to best advantage floating in a dish of water. Colors range from white to dark purple, and are either self-colored or spotted and striped.

ROSE-FLOWERED (Mixed)—About two feet high. Prices: Pkt. 10c; 3 pkts. 25c; oz. 70c; postpaid.

Balsam Pear

Curious-looking climber with yellow flower followed by golden yellow pear-shaped fruits which open when ripe, showing blood-red inside. Sow seed in open seed beds from February to May, for later transplanting. Prices: Pkt. 10c; 3 pkts. 25c; oz. 50c; postpaid.

Calendula Pot Marigold

An old-fashioned annual that has long been in favor; largely used by florists for cut flowers. Succeed in almost any soil; bloom from early summer until frost. Plants are about one foot high.

ORANGE KING—Prices: Pkt. 10c; 3 pkts. 25c; oz. 40c; postpaid.

LEMON QUEEN—Prices: Pkt. 10c; 3 pkts. 25c; oz. 40c; postpaid.

DOUBLE MIXED—Prices: Pkt. 10c; 3 pkts. 25c; oz. 30c; postpaid.

Candytuft.

Candytuft

Low bushy plants of fine habit; blooming period lasts several weeks. Plenty of sunshine and only a moderate amount of watering are conditions that favor their best development. Sow seed from February to May, thin out to 6 inches apart.

GIANT WHITE HYACINTH FLOWERED—This distinct type is a very handsome border plant. Several large bold floral spikes, each resembling a well-formed Hyacinth, are grouped upright about a stout stem. Prices: Pkt. 10c; 3 pkts. 25c; oz. 75c; postpaid.

CRIMSON—Pkt. 10c; 3 pkts. 25c; oz. 50c; postpaid.

PINK—Pkt. 10c; 3 pkts. 25c; oz. 50c; postpaid.

MIXED—Pkt. 10c; 3 pkts. 25c; oz. 50c; postpaid.

UMBELLATA—A round flower instead of hyacinth-shaped. Very attractive. Finest Double Mixed. Pkt. 10c; 3 pkts. 25c; oz. 40c; postpaid.

Campanula (Canterbury Bells)

Bushy plants about two to three feet high, bears on stately stems, large bell-shaped flowers in white, rose and blue shades; splendid plant for borders. Prices: Pkt. 10c; 3 pkts. 25c; oz. 75c; postpaid.

Carnation.

Centaurea Cyanus (Cornflower).

Cardinal Climber**(Ipomoea Quamoclit Hybrida)**

A rapid-growing annual climber which if planted in a warm, sunny situation will attain a height of twenty feet in a season. Flowers resemble those of Cypress Vine but are larger and more showy. Prices: Pkt. 15c; 2 pkts. 25c; oz. \$1.25; postpaid.

Carnation**(Dianthus Caryophyllus)**

A great favorite; easily grown from seed and very free-blooming, flowers are bright colored and with a most delicious clove-like fragrance, most suitable for cutting. Produce very double, semi-circular blooms with thick wax-like petals and long pod-like calyx. For larger flowers of better quality remove all but terminal buds. Half-hardy perennial, usually treated as biennial.

MARGUERITE DOUBLE MIXED—Prices: Pkt. 10c; 3 pkts. 25c; oz. \$1.25; postpaid.

Cockscomb.

Castor Bean (Ricinus)

Tall majestic plant for lawns or driveways; with broad, beautifully lobed, palm-like leaves of glossy green, brown or bronzed metallic hue and long spikes of scarlet, or of green; grown also in groups, or as center plants with Cannas, Dahlias, etc.

MIXED—Prices: Pkt. 10c; oz. 25c; 1/4 lb. 75c; postpaid.

Celosia Cockscomb

An odd and picturesque class of plants having colored foliage and in which the innumerable small flowers together with their supports form a very brilliantly colored mass. They form the gayest possible decoration in beds and borders, retaining their brilliant coloring often from midsummer until frost. Hardy annuals.

FINEST MIXED—A mixture of the best growing sorts. Prices: Pkt. 10c; 3 pkts. 25c; oz. \$1.00; postpaid.

GLASGOW PRIZE (President Thiers)—Resembles a very large comb, densely corrugated; of brilliant, deep purplish-red foliage. Prices: Pkt. 10c; 3 pkts. 25c; oz. \$1.50; postpaid.

Centaurea**Bachelor Button or Cornflower**

These well-known flowers are among the most attractive and graceful of the old-fashioned garden annuals, of easy culture but will amply repay any care or attention given them.

CYANUS, FINEST MIXED—Also known as "Bachelor Button," "Blue Bottle" and "Ragged Sailor." Will produce a profusion of very attractive flowers over a long season. Prices: Pkt. 10c; 3 pkts. 25c; oz. 40c; postpaid.

CYANUS, DOUBLE BLUE—Prices: Pkt. 10c; 3 pkts. 25c; oz. 65c; postpaid.

Campanula—Canterbury Bells.

Cosmos.

Chrysanthemums

Outdoor "summer Chrysanthemums" are showy and effective for bedding or borders in the garden and desirable for cut flowers. These annuals are not the winter flowering sorts sold by florists and which are propagated only by division of roots.

MIXED (Single)—Pkt. 10c; 3 pkts. 25c; oz. 50c; postpaid.

MIXED (Double)—Pkt. 10c; 3 pkts. 25c; oz. 50c; postpaid.

DOUBLE YELLOW—Pkt. 10c; 3 pkts. 25c; oz. 50c; postpaid.

DOUBLE WHITE—Pkt. 10c; 3 pkts. 25c; oz. 50c; postpaid.

Coleus

There are no finer decorative foliage plants for the South than our fine Hybrid Coleus. For beds, edging and porch or window boxes, Coleus makes magnificent ornamental foliage plants. They are tender perennials and perhaps the most showy plant we have.

MIXED HYBRIDUS—Prices: Pkt. 20c; 3 pkts. 55c; postpaid.

Columbine.

Cosmos

Very effective for autumn flowering in broad masses or backgrounds. A hardy and rapid growing annual, forming bush-like plants with feathery green foliage, four to six feet high, covered with large flowers somewhat resembling the single Dahlia.

KLONDIKE—Golden-yellow flowers borne on long stems. Prices: Pkt. 10c; 3 pkts. 25c; oz. \$1.00; postpaid.

MIXED (Giant Single)—Prices: Pkt. 10c; 3 pkts. 25c; oz. 90c; postpaid.

Cypress Vine (Ipomoea Quamoclit)

A most beautiful rapid-growing climber with delicate dark green, feathery foliage and many bright, star-shaped, scarlet or white blossoms. Planted by the side of veranda, tree or stakes, and trained properly, there is no handsomer climber. A hardy annual.

	Prices—Postpaid—Pkt.	3 Pkts.	Oz.
RED	.10	\$.25	\$.75
SCARLET	.10	.25	.75
WHITE	.10	.25	.75
MIXED	.10	.25	.75

Coleus.

Daisy (Bellis)

The true English Daisy, perfectly hardy and suited to cool, rather moist location. Blooms in shades of red, white, and pink, in earliest spring and late fall. Can be flowered through the winter if placed in boxes in pits or planted out in cold frames. Flowers very double. Plants spread rapidly in rich soil and last for years. Make the finest low borders and margins and are beautiful in clumps about the lawn. Grow 6 to 10 inches high. Hardy perennials.

DOUBLE MIXED—Pkt. 10c; 3 pkts. 25c; oz. \$2.00; postpaid.

Eschscholtzia (California Poppy)

The State flower of California. Brilliant annual, very easily grown and does especially well throughout the South. Makes very showy borders and beds and also makes pretty cut flowers when cut in the bud stage. Foliage finely cut and blue-green in color. A hardy annual, which should be sown in the fall of the year.

AURANTIACA—Best Orange. Pkt. 10c; 3 pkts. 25c; oz. 40c; postpaid.

CRIMSON—Pkt. 10c; 3 pkts. 25c; oz. 40c; postpaid.

PINK—Pkt. 10c; 3 pkts. 25c; oz. 50c; postpaid.

ROSE QUEEN—Pkt. 10c; 3 pkts. 25c; oz. 40c; postpaid.

YELLOW—Pkt. 10c; 3 pkts. 25c; oz. 40c; postpaid.

SINGLE MIXED—Pkt. 10c; 3 pkts. 25c; oz. 40c; postpaid.

Chrysanthemum.

Columbine (Aquilegia)

Very desirable; old-fashioned perennials for borders; grow about two feet high; easily grown. Blooms profusely, early in the season and remain in bloom for a considerable period.

SINGLE MIXED—Prices: Pkt. 10c; 3 pkts. 25c; oz. \$1.00; postpaid.

Dahlias

(See Illustrations—Back Cover)

A favorite for autumn flowering, blooming the first season from seed if started early indoors, and transplanted after danger of frost is over. Flowers are symmetrical and perfect, with a wide range of colors. Plants will produce tubers which should be taken up in the fall and replanted the following spring. Tender herbaceous perennial, three to four feet high.

SINGLE MIXED—Prices: Pkt. 10c; 3 pkts. 25c; postpaid.

FINEST DOUBLE MIXED—Seeds saved from choicest, double flowers, including shades of red, pink, dark maroon, yellow, white, etc. Prices: Pkt. 10c; 3 pkts. 25c; postpaid.

English Daisy.

Four o'Clock (Marvel of Peru)

Showy, large free-flowering hardy annual of many colors, with erect bushy habit and brilliant, salver shaped flowers that open about four o'clock in the afternoon and usually close by noon of the next day. Fine for borders and backgrounds, growing about two feet high and blooming late in summer and fall.

MIXED COLORS—Prices: Pkt. 10c; 3 pkts. 25c; oz. 30c; postpaid.

Foxglove (Digitalis)

Stately old-fashioned border plants affording dense spikes of large brilliantly colored flowers which are terminal and half as long as the height of the plant. Flowers very distinct and showy, being thimble-like or long bell-shaped. Colors include white, lavender and rose, many being spotted or splotted. Hardy perennial.

FINEST MIXED—Prices: Pkt. 10c; 3 pkts. 25c; oz. 80c; postpaid.

Gaillardia (Blanket Flower)

Well adapted to our section; thrives in the poorest and driest soils. Plants are covered with large showy flowers and are of strong, spreading growth, 18 inches in height. Large brilliant flowers are borne singly, on long stems, making attractive cut flowers, but the chief use is for the blanket or great mass of blooms for borders. A hardy annual but will live through the winter with protection.

DOUBLE MIXED—Gaily-colored flowers, double with tubular florets, invaluable for bouquets. Prices: Pkt. 10c; 3 pkts. 25c; oz. 90c; postpaid.

Gaillardia.

Gourds

Very interesting and peculiar trailing annuals. Most varieties have large, white blossoms and the vines are of such vigorous growth that they are very useful and ornamental for covering old fences and other unsightly objects. The fruits are much prized by children as toys.

JAPANESE NEST EGG—Fruits similar in shape to a hen egg and are widely used by poultry keepers. Prices: Pkt. 10c; 3 pkts. 25c; oz. 40c; postpaid.

DIPPER—A widely used variety growing in the shape of a dipper and often used for this purpose. Prices: Pkt. 10c; 3 pkts. 25c; oz. 40c; postpaid.

PEAR—As its name indicates, this gourd is pear-shaped and is alternately striped orange and green. Prices: Pkt. 10c; 3 pkts. 25c; oz. 40c; postpaid.

APPLE—The fruits are small, round and white in color, about the size of a large apple. Prices: Pkt. 10c; 3 pkts. 25c; oz. 40c; postpaid.

CALABASH—Its chief use is for making Calabash pipes, the stem end being used for this purpose. Prices: Pkt. 10c; 3 pkts. 25c; oz. 40c; postpaid.

HERCULES CLUB—Fruits extremely long and large, and while they are cylindrical, they taper to the stem end; grows 3 and 4 ft. in length. Vines are very thrifty and rapid climbers. Prices: Pkt. 10c; 3 pkts. 25c; oz. 40c; postpaid.

MIXED—A mixture of all the varieties listed above. In planting this, you will have an assortment of all shapes and sizes. Prices: Pkt. 10c; 3 pkts. 25c; oz. 40c; postpaid.

Hibiscus (Marshmallow)

Grows 2 to 5 feet high, branching freely. Large flowers 3 to 5 inches across are white, yellow, carmine and striped. Can be grown in pots or tubs and kept blooming all winter as well as summer. The flowers are extremely showy.

FINEST MIXED—Prices: Pkt. 10c; 3 pkts. 25c; oz. 75c; postpaid.

Geranium.

Geranium (Pelargonium)

Tender perennial, usually grown from cuttings. However, Geraniums grow readily from seed and bloom the first summer; desirable for pot culture, flower boxes and outdoor bedding.

ZONALE (Mixed)—Prices: Pkt. 15c; 2 pkts. 25c; postpaid.

Globe Amaranth (Gomphrena)

One of the everlasting or straw flowers. Very vigorous, free-flowering plant with flowers resembling clover blossoms in form. Masses well for bedding, growing 18 to 24 inches high. Desirable for winter bouquets if cut when in full bloom and dried in a cool, shady place. A hardy annual.

MIXED—Prices: Pkt. 10c; 3 pkts. 25c; oz. 50c; postpaid.

Hollyhock.

Eschscholtzia (California Poppy).

Gypsophila (Baby's Breath)

Delicate, free-flowering plants covered with star-shaped flowers, valuable for mist-like effect and as trimming in bouquets; also for hanging baskets or edgings.

GRANDIFLORA ALBA—An improved large-flowered strain, superior to the common Elegans. Prices: Pkt. 10c; 3 pkts. 25c; oz. 50c; postpaid.

Hollyhock (Althea Rosea)

Hardy perennial. Once established they grow and bloom freely for years. Beautiful long spikes filled with tissue paper-like blooms, 3 inches across, crushed closely together, give a beautiful and artistic background or tall border.

DOUBLE MIXED—Prices: Pkt. 10c; 3 pkts. 25c; oz. \$1.65; postpaid.

CHATER'S DOUBLE—This excellent variety produces extremely double flowers, that resemble small peonies with dainty closely-packed petals. Newport pink, white, crimson, yellow. Prices: Pkt. 10c; 3 pkts. 25c; oz. \$1.75; postpaid.

Gaillardia.

Mexican Fire Bush.

Hyacinth Bean (Jack Bean)

A fine climber with clusters of purple and white flowers followed by ornamental seed pods. Hardy annual: from ten to fifteen feet high.

MIXED—Prices: Pkt. 10c, oz. 25c, postpaid.

Ice Plant

A curious plant for hanging baskets, rock-work, vases and edgings; leaves and stems succulent, appearing as though covered with ice crystals. Hardy annual of trailing habit. **Prices:** Pkt. 10c; 3 pkts. 25c; oz. 60c, postpaid.

Kochia (Mexican Fire Bush)

An easily grown foliage or hedge plant which makes a very rapid growth and retains its clean, bright green color until heavy frost. Turns to beautiful bronze-red after heavy frost and blends with the colors of autumn. **Prices:** Pkt. 10c; 3 pkts. 25c; oz. 40c, postpaid.

Kudzu (Jack and the Bean Stalk)

The most rapid-growing vine in cultivation. Grows eight to ten feet the first season from seed, and from forty to sixty feet in a single season after becoming established. Makes a dense growth of foliage and is valuable for covering verandas, pergolas and unsightly places. Will thrive on any land that will support vegetable growth. Hardy perennial climber. Advisable to soak seed before planting. **Prices:** Pkt. 10c; 3 pkts. 25c; oz. 75c, postpaid.

Larkspur.

Larkspur

The Larkspur with its long-clustered spikes of beautiful irregular flowers, often with long spurs, is especially valuable for its shades of blue. The annual forms are splendid for bedding. Colors range from white, through pastel shades of blue, lavender and pink to brilliant hues. Bloom from early summer, through fall. Most desirable for cutting.

DOUBLE STOCK-FLOWERED VARIETIES

	Prices—Postpaid		
	Pkt.	3 Pkts.	Oz.
TALL DOUBLE BLUE	\$.10	\$.25	\$.75
TALL DOUBLE LILAC	.10	.25	.75
TALL DOUBLE LAVENDER	.10	.25	.75
TALL DOUBLE FLESH	.10	.25	.75
TALL DOUBLE SCARLET ROSE	.10	.25	.75
TALL DOUBLE PURPLE	.10	.25	.75
TALL DOUBLE MIXED	.10	.25	.60
*GIANT HYACINTH FLOWERED BRICK RED	.10	.25	.90
*GIANT HYACINTH FLOWERED EMPEROR ROSE	.10	.25	.90
*GIANT HYACINTH FLOWERED MIXED	.10	.25	.75
DWARF ROCKET MIXED	.10	.25	.60

*Hyacinth Flowered Larkspur produce single, large tapering spikes, closely packed with double blossoms.

Prices—Postpaid

French Marigold

Marigolds

No flower garden seems complete without this fine old-fashioned garden plant, with its brilliant displays of yellow and orange, both tall and dwarf sorts, and with finely-cut or entire bright green foliage. Hardy annual, in bloom until frost.

TALL DOUBLE AFRICAN, MIXED—Pkt. 10c; 3 pkts. 25c; oz. 75c, postpaid.
DWARF DOUBLE AFRICAN, MIXED—Pkt. 10c; 3 pkts. 25c; oz. 75c, postpaid.
TALL DOUBLE FRENCH, MIXED—Pkt. 10c; 3 pkts. 25c; oz. 60c, postpaid.
DWARF DOUBLE FRENCH, MIXED—Pkt. 10c; 3 pkts. 25c; oz. 60c, postpaid.

Mignonette (Reseda)

A well-known hardy annual about one foot high producing dense cone-shaped flower spikes, made up of thickly set florets of modest colors. Often used for cutting to combine in bouquets. Thrives best in a rather cool temperature and in rather light soil.

MACHET—Of dwarf and vigorous growth, with numerous stout flower stalks, terminated by large spikes of flowers. Pkt. 10c; 3 pkts. 25c; oz. 50c, postpaid.

Lathyrus, Latifolius

(Perennial Sweet Peas)
See Sweet Peas

Lantana

A tender perennial shrub that makes a splendid display the first season from seed. Above the large green leaves rise, in prolonged succession, Verbena-like clusters of fragrant flowers in shades of crimson, rose, orange and yellow, followed by green berries that turn later to a deep blue. Valuable for bedding and also adapted to pot culture. **FINEST MIXED — Prices:** Pkt. 10c; 3 pkts. 25c; oz. 75c; postpaid.

Lupins

A very attractive free-flowering plant with long graceful terminal spikes of fragrant pea-shaped blossoms. Very much like the Texas Blue Bonnet. Blooms early in the season and is desirable for cutting. Hardy annual. **MIXED—Prices:** Pkt. 10c; 3 pkts. 25c; oz. 40c; postpaid.

African Marigold.

Lantana.

Mourning Bride.

Moon Flower (Ipomoea)

One of the most vigorous summer climbers. Will grow under favorable conditions thirty to forty feet in a single season, covered with very large flowers, widely extended, often four inches across. The leaves are excellent for making shade.

GRANDIFLORA ALBA (White)—Prices: Pkt. 10c; 3 pkts. 25c; oz. 65c; postpaid.

BONA NOX (Blue)—Prices: Pkt. 10c; 3 pkts. 25c; oz. 50c; postpaid.

Morning Glory

A handsome showy climber of easy culture and suitable for covering arbors, windows, trellises, old stumps, etc. Flowers are most brilliant in the morning. Hardy annual.

JAPANESE, GIANT MIXED—Prices: Pkt. 10c; 3 pkts. 25c; oz. 50c; postpaid.

HEAVENLY BLUE—Prices: Pkt. 10c; oz. 80c; postpaid.

Mourning Bride (Scabiosa)

An old-fashioned but most attractive flower. Giving a fancied resemblance to a pin-cushion. Its great abundance and long succession of richly colored fragrant blossoms on long stems make it one of the most useful decorative plants of the garden. Desirable for cutting as well as for beds and borders. A hardy annual.

TALL DOUBLE MIXED—Colors include deep and light purple, scarlet, pure white and dark mulberry-red. Prices: Pkt. 10c; 3 pkts. 25c; oz. 65c; postpaid.

Nasturtiums.

Nasturtiums

Few plants are more easily grown or remain longer in bloom. Large shield-shaped leaves and beautifully irregular flowers having long spurs and brilliantly-colored petals. Much used for window boxes. Half-hardy annual.

DWARF MIXED—Many desirable shades and colors. Prices: Pkt. 5c; oz. 15c; 1/4 lb. 40c; lb. \$1.25; postpaid.

TALL MIXED—Fine mixture of the best trailing varieties. Prices: Pkt. 5c; oz. 15c; 1/4 lb. 40c; lb. \$1.25; postpaid.

Pansies

A hardy annual, have long been a favorite with flower lovers; they make delightful beds where a little care is taken. For best results, sow seed early in protected seed beds or boxes, cover lightly and transplant, setting them about 5 inches apart.

TRIMARDEAU, MIXED—All colors. Prices: Pkt. 10c; 3 pkts. 25c; 1/2 oz. \$1.25; postpaid.

GIANT, MIXED—A grand mixture of the finest varieties. Prices: Pkt. 25c; postpaid.

Giant Ruffled Petunia.

Pinks (Dianthus)

Pinks are old-fashioned favorites and as a class are more varied in color than the Carnations but lack their fragrance. Plants are compact and bushy, usually about one foot high. The Double Pinks are well adapted for bedding and borders; suitable also for cutting. Pinks are annuals and not perennials like the Carnation.

CHINESE DOUBLE MIXED—Prices: Pkt. 10c; 3 pkts. 25c; oz. 75c; postpaid.

SINGLE MIXED—Prices: Pkt. 10c; 3 pkts. 25c; oz. 65c; postpaid.

Phlox Drummondii

The easiest grown of all the annual flowers in the South. Unequalled in the magnificent display of their many and brilliantly-colored flowers. Plants are hardy, and bushy, about one foot high, particularly attractive in large masses or clumps. Also useful for boxes and makes splendid cut flowers.

Our varieties are noteworthy for brilliancy of colors and large size. Prices postpaid.

PINK—Pkt. 10c; 3 pkts. 25c; oz. \$1.25.

RED—Pkt. 10c; 3 pkts. 25c; oz. \$1.25.

MIXED—Pkt. 10c; 3 pkts. 25c; oz. \$1.00.

PERENNIAL MIXED—Pkt. 10c; 3 pkts. 25c; 1/4 oz. \$1.00.

Phlox.

Petunias

Petunias are very popular in the South; easily grown, and make most beautiful flower beds of showy colors. They are hardy annuals; heat, rain, drought do not affect them.

We call your attention especially to the named sorts for solid colored beds or window and porch boxes. These are the best bush or dwarf varieties and produce their handsome, sweet-scented flowers in their delicate and gorgeous colors throughout the whole summer and can be cut back and transplanted in pots or boxes to take indoors during the winter. Our Ruffled Giants and Double Petunias are selected from the finest and largest of the new creations by the greatest hybridizers. They are the very best grown.

GENERAL DODD'S BLOOD RED—Prices: Pkt. 10c; 3 pkts. 25c; oz. \$1.50; postpaid.

ROSY MORN—Pink with white throat. Prices: Pkt. 10c; 3 pkts. 25c; 1/4 oz. \$1.00; postpaid.

HYBRIDA ALBA—White. Prices: Pkt. 10c; 3 pkts. 25c; oz. \$1.50; postpaid.

HYBRIDA, MIXED—Includes striped or blotched flowers in a wide range of brilliant colors. A fine bedder. Prices: Pkt. 10c; 3 pkts. 25c; oz. \$1.25; postpaid.

SINGLE, MIXED—Prices: Pkt. 10c; 3 pkts. 25c; oz. \$1.00; postpaid.

RUFFLED GIANTS—Very large and ruffled edges. Prices: Pkt. 25c; postpaid.

DOUBLE, MIXED—Giants of California. Prices: Pkt. 25c; postpaid.

Pinks.

American Legion Poppy.

Poppy

This well-known hardy annual is much favored everywhere. Does well and blooms profusely in the South. The single and double varieties are equally desirable for beds, masses and borders. Flowers are noted for their large size, delicacy of tissue and their wide range of bright, dazzling colors.

Cut the flowers regularly, not allowing seed pods to form, to insure continuous blooming over a long season.

DOUBLE PEONY FLOWERED—Red or Pink. Prices: Pkt. 10c; 3 pkts. 25c; oz. 50c; postpaid.

MIXED—Prices: Pkt. 10c; 3 pkts. 25c; oz. 40c; postpaid.

DOUBLE CARNATION FLOWERED—Red, White or Mixed. Prices: Pkt. 10c; 3 pkts. 25c; oz. 50c; postpaid.

FLANDERS—Single Scarlet Red. Prices: Pkt. 10c; 3 pkts. 25c; oz. 50c; postpaid.

AMERICAN LEGION SHIRLEY—Brilliant Orange Scarlet. Prices: Pkt. 10c; 3 pkts. 25c; oz. 50c; postpaid.

SINGLE SHIRLEY MIXED—Prices: Pkt. 10c; 3 pkts. 25c; oz. 50c; postpaid.

CALIFORNIA POPPY—(See Eschscholtzia, Page 29.)

Portulaca

Sometimes called Moss Rose. Hardy annual with glossy cup-shaped single flowers and rose-like double flowers, with many shades of red, white, pink, orange, yellow, striped, etc. Low-growing or creeping with thick, fleshy stems. Desirable for edgings, also bedding.

FINEST SINGLE MIXED—A wide range of colors. Prices: Pkt. 10c; 3 pkts. 25c; oz. 90c; postpaid.

DOUBLE MIXED—Many beautiful shades. Prices: Pkt. 10c; 3 pkts. 25c; oz. \$2.25; postpaid.

Salvia (Flowering Sage)

One of the best bedding plants. It forms compact bushes with large conspicuous flower spikes or fiery red, raised over the foliage. Blooms all through the summer. Tender perennial, but blooms the first season.

SLENDENS—Prices: Pkt. 10c; 3 pkts. 25c; oz. \$2.25; postpaid.

Scarlet Runner Beans

A rapid-growing annual climber, bearing sprays of brilliant scarlet pea-shaped blossoms. Used either as a snap or shell bean for eating as well as being desirable for ornamental purposes. Vines ten to twelve feet high. Prices: Pkt. 5c; oz. 15c; ¼ lb. 25c; postpaid.

Peony Flowered Poppy.

Shasta Daisy

Splendid perennial plants bearing large single white flowers with yellow centers; borne on long stems, excellent for cutting. The plants produce an abundance of bloom, making them very desirable for the hardy border. Prices: Pkt. 10c; 3 pkts. 25c; oz. \$2.25; postpaid.

Stock (Gilliflower)

Considered almost indispensable where a fine display of flowers is wanted and particularly valued for edgings, bedding and pot culture, also suitable for cutting. Produce dense spikes of very fragrant and beautiful rosette-like double flowers in wide range of attractive colors. A hardy annual growing from twelve to eighteen inches high.

LARGE FLOWERING DWARF TEN WEEKS, MIXED—Prices: Pkt. 10c; 3 pkts. 25c; oz. \$1.50; postpaid.

M A M M O T H EARLY BRANCHING—Most valuable of all stocks for cutting purposes and the most popular for general use. If sown early, they will come into flower as early as Dwarf Ten Week varieties. Mixed.

Prices: Pkt. 10c; 3 pkts. 25c; oz. \$2.50; postpaid.

Stock.

Shasta Daisy.

Square Brand Sweet Peas

No garden is complete without this popular annual. Planted in the fall of the year, and carefully watered and fed, this plant will yield a continuous supply of sweet-scented flowers throughout the spring, summer and early fall. Charming for use in bouquets, for table decorations and anywhere flowers are desired.

The Late Spencers are the most popular. They are of exceptionally large size; standard and wings are frilled, and the general effect is remarkably graceful and attractive.

The Early Spencers, a more recent type, are earning marked recognition, especially where winters are mild, as in the Gulf States, those bordering on the Rio Grande and in California. They bloom from three to four weeks earlier than the Late Spencers, and do very well when forced under glass.

SPENCER LATE (OR ORCHID FLOWERED) VARIETIES:

	Pkt.	Oz.	Lb.
Alexander Malcolm—Bright scarlet cerise.	\$.10	\$.25	\$2.50
Barbara—Salmon	.10	.25	2.50
Charity—Scarlet-crimson	.10	.25	2.50
Commander Goddall—Large violet-blue	.10	.25	2.50
Countess Spencer—Rose-pink	.10	.25	2.50
Lord Nelson—Navy-blue	.10	.25	2.50
Orchid Improved—Lavender	.10	.25	2.50
Royal Purple—Rich purple	.10	.25	2.50
Warrior Giant—Maroon	.10	.25	2.50
White Queen—Pure white	.10	.25	2.50
Spencer Late—Mixed	.10	.20	2.00
Grandiflora—Mixed	.10	.15	1.25

SPENCER EARLY FLOWERING VARIETIES:

	Pkt.	Oz.	Lb.
Harmony—Lavender	\$.10	\$.50	\$1.50
Snowstorm—Pure white	.10	.50	1.50
Giant Rose—Rose-pink	.10	.50	1.50
Blue Bird—Violet blue	.10	.50	1.50
Spencer Early, Mixed	.10	.40	1.25

Perennial Sweet Pea (Lathyrus Latifolius)

A sturdy vine with luxuriant pea-like foliage, with pea-shaped flowers borne in large clusters of 8 or 10 each, and are of a waxy appearance. They bloom for a long period.

MIXED COLORS—Prices: Pkt. 10c; 3 pkts. 25c; oz. 65c; postpaid.

Sweet Peas.

Vinca

WHOLESALE PRICE LIST

FOR DEALERS ONLY

MAGNOLIA SEED COMPANY

POULTRY SUPPLY HEADQUARTERS

945 S. Lamar Street

DALLAS, TEXAS

Wholesale Net Prices Applying to Poultry Supply Section of 1933 Catalog. Effective January 1, 1933

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TERMS OF SALE: Unless your credit has been established with us, cash should accompany the order, or instructions to ship balance C. O. D. Such orders are entitled to a cash discount of 2%. Where credit has been established, merchandise is sold on terms of 2% cash discount for remittance within ten days after date of invoice, 30 days net, subject to draft if not paid within 45 days after date of invoice.

SPECIAL NOTE — If you desire to open an account with us, please furnish us a financial statement and give us the names of several companies with whom you have open accounts, also allow at least 10 days' time in which to enable us to secure the required credit information.

INDEX TO CATALOG PAGES COVERED BY THIS PRICE LIST

A	Coops61	Heating Elements61	O	Sterilac64
Antrol45	Crystal Cloth58	Hess & Clark Rene- dies63	Oat Sprouter60	Sulphur62
Auto Coop51	D	Humidiguide49	Oyster Shell60	T
B	Derrisol45	Hygrometer49	P	Tacker59
Barnes Emulsion62	Disinfectants42-63-64	I	Parinox64	Temperature Alarm59
Barnes Remedies63	Dusters43	Incubator Supplies49	Pigeon Bands48	Thermometers49
Batteries52-53	E	Insecticides44-45	Pulvex62	Thermostats49
B-K63	Egg Boxes and Cases60	J	Pumps43	Tobacco Dust62
Black Leaf 4064	Egg Farm Supplies60	Jahnke's Poultry Powder62	Punches, Poultry48	Toe Pick Remedy62
Boxes, Chick59	Egg Scales and Stamps60	L	Putnam Brooder Heater50	Trap Nest Fronts48
Boxes, Egg60	Epsom Salts62	Lamps49	R	Tree Tanglefoot44
Brooder Supplies49	Evergreen44	Lee's Remedies63	Rat Scent45	Troughs55-56-57
Brooders50-51-52-53-54	F	Leg Bands48	Remedies, Bird46	Twine59
C	Feeders55-56-58	Leg Band Stamp61	Remedies, Poultry62-63-64	U
Caponizing Instru- ments60	Fly Spray44	Leggar's Remedies63	Roach Killer44	Udder Help63
Carbola64	Founts57-58	Litter, Poultry58	Russell's Remedies63	V
Carbolineum (C-A Wood Preserver)64	G	M	Scales, Egg60	Vacuum Cleaner61
C-A Wood Preserver64	Germo Remedies63	Mash Hoppers55-56	Show Bands48	Ventilating Punch59
Cel-O-Glass58	Germozone63	Moisture Guide49	Snarol45	Ventilating Strips59
Charcoal60	Glass Cloth58	Moto-Air61	Sodium Fluoride64	Ventilators61
Chick Boxes and Supplies59	Glue, Hatchery59	N	Sprayers43	W
Chigger Chaser and Choke44	Grit60	Nest Eggs60	Staplers59	Walko Tablets62
Cod Liver Oil62	Grit and Shell Boxes55	Nests48	Star Parasite Remover63	Whiz44
Coop Cups61	H	Number-All Stamps61		Wing Bands48
	Hatchery Supplies59			Wood Wool59
	Heaters50-58			

PAGE 43

COMPRESSED AIR SPRAYERS:		Case	Shipping Wt.	F.O.B. Dallas
Climax	Packed	10 lbs.	Ea.	\$2.75
Thrifty	1 to carton	7 1/2 lbs.	Ea.	2.60
BUCKET PUMPS:				
No. 5	1 to carton	3 3/4 lbs.	Ea.	3.00
No. 6	1 to carton	6 lbs.	Ea.	2.95
No. 7	1 to carton	10 lbs.	Ea.	3.95
WHEELBARROW SPRAYER:				
No. 30	1 to carton	50 lbs.	Ea.	9.50
DUSTERS:				
No. 604—Crank	1 to carton	19 lbs.	Ea.	9.95
No. 665—Major	12 to carton	19 lbs.	Doz.	9.00
No. 665—A Major	12 to carton	23 lbs.	Doz.	9.30
HAND SPRAYERS:				
G-2 Tin Hand	48 to carton	25 lbs.	Doz.	1.30
26-A Continuous	12 to carton	17 lbs.	Doz.	7.50
26-C Continuous	12 to carton	17 lbs.	Doz.	12.00
26-AG Continuous	12 to carton	27 lbs.	Doz.	9.00
WHEEL SPRAYERS:				
No. 37-S Sunshine	1 to carton	72 lbs.	Ea.	18.00
No. 36-S Sunshine	1 to carton	48 lbs.	Ea.	10.50
No. 31 Ensign	1 to carton	35 lbs.	Ea.	7.50

PAGE 44

Write for quotations on any items wanted, not listed herein.		CHIGGER CHASER:		Shipping	Delivered
25c size—2-oz. can	To carton	To case	Weight	Prices	Prices
50c size—5-oz. can	1 doz.	6 cartons	13 lbs.	Doz.	\$2.00
\$1.00.00 ROACH KILLER:	1 doz.	6 cartons	31 lbs.	Doz.	4.00
WHIZ FLY FUME:		Packed	Weight	Prices	
No. 2 Outfit	36 to case	14 lbs.	Doz.	2.80	
No. 3 Outfit	12 to case	16 lbs.	Doz.	4.80	
1/2 Pints	12 to case	25 lbs.	Doz.	8.00	
1-Pint Cans	24 to case	15 lbs.	Doz.	2.80	
1 Quart	12 to case	12 1/2 lbs.	Doz.	4.80	
1 Gallon	12 to case	26 lbs.	Doz.	8.00	
5 Gallons	6 to case	55 lbs.	Doz.	25.00	
60-Gallon Drums		45 lbs.	Ea.	8.25	
			Ea.	90.00	

PAGE 45

Write for special quotation on any items wanted and not listed herein.

RAT SCENT:		Packed	Shipping Wt.	F.O.B. Dallas
35c Size	24 to case	17 lbs.	Doz.	2.80
50c Size	24 to case	26 lbs.	Doz.	4.20

PAGES 46 and 47

WRITE FOR SPECIAL QUOTATIONS.

PAGE 48

KWIK-ON LEG BANDS:		Size	Packed	50	100	1000	5000
8	100 to box	\$.15	\$.28	\$2.55	\$2.45 per M		
9	100 to box	.15	.29	2.75	2.65 per M		
10	100 to box	.20	.30	2.90	2.80 per M		
11	100 to box	.20	.32	3.10	3.00 per M		
12	100 to box	.20	.36	3.45	3.35 per M		
COLORED LEG BANDS (In multiples of 50):							
No.	For	Per 50	Per 100	Per 1000			
4	Baby Chicks	\$0.10	\$0.17	\$1.45			
5	Pigeons	.15	.19	1.65			
6	Growing Chicks	.15	.24	2.10			
8	Leghorns and Anconas	.15	.28	2.55			
9	Large Leghorns	.15	.29	2.65			
10	Small Americans	.20	.31	3.00			
12	Asiatic Hens	.20	.38	3.55			
14	Turkey Hens	.35	.60	5.70			
16	Turkey Toms	.40	.70	6.85			
BANDETTES:							
No.	For	Per 50	Per 100	Per 1000			
4	Baby Chicks	\$0.40	\$0.75	\$ 6.95			
9	Leghorns and Anconas	.75	1.40	13.50			
11	Rocks, Reds, etc.	.75	1.40	13.50			
TRAP NEST FRONTS:							
F-59	12 to box	20 lbs.	Each	Doz.			
63	12 to box	16 lbs.	\$.25	\$3.00			
POULTRY PUNCHES:							
38	12 in carton	5 oz.	Shipping Wt.	Doz.			
39	12 in carton	12 oz.		\$1.20			
LEG BANDS (No boxes broken):							
No.	In Cartons of	3 lbs. per	Per 100	Per 1000			
130	12-25-50 & 100	1000 Bands	\$0.32	\$3.00			

PAGE 48—Continued

WING BANDS (No boxes broken):		F.O.B. Dallas
Sealed	100 to box	Per 100 \$.75
Douhle End Clinch	100 to box	.45
RELIABLE SHOW BANDS (No boxes broken):		
Per 100		\$1.25
VICTOR SHOW BANDS (No boxes broken):		
Per 100		\$2.25
PIGEON BANDS (No boxes broken):		
25 pairs to box (Nos. 1 to 100). Per 25 pairs		\$.50
METAL NESTS:		F.O.B. Factory
	Packed	Shipping Wt. Each
6M	1 to carton	41 lbs. \$4.50
10M	1 to carton	65 lbs. 6.35
15M	1 to carton	83 lbs. 9.20
30	Sets as needed	2 lbs each .27

PAGE 49

LAMP BURNERS:		F. O. B. Dallas
	Packed	Ship'g Wt. Each Dozen
Chimneyless No. 1	12 to box	2 lbs. \$0.38 \$4.25
Chimneyless No. 2	12 to box	4 lbs. .50 5.50
Chimneyless No. 3	12 to box	5 lbs. .75 8.65
Sun Hinged No. 1	12 to carton	3 lbs. .25 3.00
Sun Hinged No. 2	12 to carton	4 lbs. .30 3.50
Sun Hinged No. 3	12 to carton	5 lbs. .45 5.25
Sun Hinged No. 3, Double	12 to carton	6 lbs. .50 6.00
LAMP BOWLS:		
Size	For Burner	Packed Doz. Wt. Each Dozen
100	No. 1	12 to box 9 lbs. \$0.40 \$4.40
101	No. 2	12 to box 13 lbs. .45 5.25
102	No. 3	12 to box 18 lbs. .55 6.35

PATTERSON & YOUNG MOISTURE GUIDE:		
1 to box	1/4 lb.	Each \$0.70 Doz. \$8.00
Tubes for Moisture Guides		Each .45

INCUBATOR, BROODER AND ROOM THERMOMETERS:		
		Dozen
5776	1 to box	1 lb. Each \$0.55 Dozen \$6.25
T-5792-S	1 to box	1 lb. .55 6.25
T-5794-S	1 to box	1 lb. .40 4.60

METAL LAMP CHIMNEYS:		
No.	Packed	Doz. Wt. Each Dozen
1	12 to case	4 lbs. \$0.17 \$1.80
2	12 to case	4 lbs. .17 1.80
3	12 to case	4 lbs. .17 1.80

RED FELT LAMP WICKS:		
Size	For Burner	Doz. Wt. Dozen Gross
No. 1	No. 1	1 lb. \$0.20 \$2.25
No. 2	No. 2	1 lb. .35 4.00
No. 3	No. 3	1 lb. .40 4.50

HUMIDIGUIDE:		
Tycoos Humidiguide	1 to box	2 lbs. \$4.50 Ea.
Extra Wicks		.07 Ea. .75 Doz.
Extra Reservoir		.45 Ea.

SPECIAL HATCHERY HYGROMETER:		
1 to box	2 lbs.	\$4.50 Ea.
Extra Wicks		\$.07 Ea. .75 Doz.
Extra Reservoir		.45 Ea.

DOUBLE UNIT WAFER THERMOSTATS:		
3-inch		\$.25 Ea. \$2.75 Doz.
4-inch		.30 Ea. 3.50 Doz.
5-inch		.50 Ea. 5.75 Doz.

PAGE 50

MAGNOLIA KER-O-STAT BROODERS:		F.O.B. Dallas
Size	Shipping Wt. Heater Canopy	Brooder Complete
35-inch	36 lbs. \$6.25	\$ 7.95 Ea.
45-inch	47 lbs. 6.60	9.25 Ea.
55-inch	53 lbs. 7.85	10.50 Ea.

Oil Reservoir	5 lbs.	.90 Ea.
Bail for Reservoir	1/2 lb.	.20 Ea.
Pilot Wicks		.10 Ea.
Oil Valve for Reservoir	3 oz.	.25 Ea.
Band for Reservoir	1/2 lb.	.20 Ea.
Lighting Rings for 35 and 45-in. Brooders		\$.10 Ea. 1.10 Doz.
Lighting Rings for 55-in. Brooders		.12 Ea. 1.25 Doz.

MAGNOLIA SIMPLICITY:		
Size	Shipping Wt. Heater Canopy	Brooder Complete
35-inch	31 lbs. \$4.75	\$ 6.45 Ea.
45-inch	40 lbs. 4.75	7.35 Ea.
55-inch	49 lbs. 5.85	8.25 Ea.

Parts Prices Same as Ker-O-Stat.

PUTNAM BROODER HEATERS:		
	Packed to Shipping	Less than Case
Heater, Complete	Case 6	33 lbs. \$3.50 Ea.
Wicks		.20 Doz.
Wicks and Holder		.10 Ea. .95 Doz.
House Plans for Putnam Brooders		.70 Ea.

PAGE 51

STANDARD OIL-O-STAT BROODER:		F.O.B. Dallas
Size	Shipping Weight	Price
Standard, without canopy	80 lbs.	\$16.50
Standard, with 56-inch canopy	100 lbs.	17.95
Standard, with 65-inch canopy	105 lbs.	19.95
Magnolia Senior	118 lbs.	22.50

ANNIVERSARY OIL-O-STAT:		
55-inch canopy	68 lbs.	13.95
STANDARD COAL BROODERS:		
Size	Shipping Wt. Stove Canopy	Complete
56-inch	103 lbs. \$ 9.95	\$3.95 \$12.50
65-inch	112 lbs. 10.75	5.65 14.25

PAGE 52

INSULATED STARTING BROODER:		F.O.B. Dallas
No.	Size	Shipping Wt. Prices
P2-54 E	4 Comp. Electric	243 lbs. \$48.95 Ea.

PAGE 52—Continued

P-3-85	5 Comp. Electric	295 lbs.	F.O.B. Dallas
P-2-66 E	6 Comp. Electric	340 lbs.	58.00 Ea.
P-2-54	4 Comp. Oil	302 lbs.	65.25 Ea.
P-3-65	5 Comp. Oil	325 lbs.	48.95 Ea.
P-2-66	6 Comp. Oil	410 lbs.	58.00 Ea.
FINISHING BATTERY:			65.25 Ea.
P3-44	4 Section	185 lbs.	28.50 Ea.

PAGE 53

INTERMEDIATE BATTERY OR UNHEATED STARTING BATTERY:		F.O.B. Dallas
P-3-75	5 Sections	Shipping Wt. Price
LAYING BATTERY:		200 lbs. \$42.50
		F.O.B. Factory
12-Hen Commuter Model		Shipping Wt. Price
36-Hen Apartment		100 lbs. \$17.85
72-Hen Apartment		315 lbs. 53.55
144-Hen Apartment		600 lbs. 102.85
		1200 lbs. 199.75

PAGE 54

GRO-MOR BROODERS:		F.O.B. Dallas
Type	Packed	Shipping Wt. Case—Each
Electric	3 to Carton	28 lbs. \$1.85
Not Electric	6 to Carton	45 lbs. 1.45
Special Heat Bulbs		Ea. .45 Doz. 4.80
SILVER HEN BROODERS:		
C2-1330	Element Heated	1 to Carton 26 lbs. \$6.95
C2-1335	Bulb Heated	1 to Carton 25 lbs. 5.35
C2-1430	Oil Heated	1 to Carton 28 lbs. 6.95
C2-16	Rack	1 to Carton 45 lbs. 8.35
	Heat Bulbs	Ea. .45 Doz. 4.80
JUNIOR BROODERS:		
22-inch	Electric	1 to Carton 10 lbs. \$2.45
Special Heat Bulbs		Ea. .45 Doz. 4.80
22-inch	Oil	1 to Carton 10 lbs. 2.10
MAGNOLIA GAS BROODERS:		
	Shipping Wt. Canopy Heater	Complete
29-inch	22 lbs.	\$2.35 \$4.75 \$6.00
45-inch	27 lbs.	2.85 5.25 7.45
55-inch	31 lbs.	3.20 5.65 8.35
Automatic Gas Valve only		2.40

PAGE 55

LINCOLN REEL TYPE FEEDERS:		F.O.B. Dallas
No.	Packed	Shipping Wt. Each Dozen Case Lots
41	3 Doz. to Case	54 lbs. \$.23 \$2.50 \$2.45
42	3 Doz. to Case	78 lbs. .32 3.60 3.50
460	1 Doz. to Case	10 lbs. .18 1.95 1.95
462	1 Doz. to Case	16 lbs. .25 2.80 2.80

MAGNOLIA WOODEN REEL CHICK TROUGHS:		
324	2 Doz. to Carton	34 lbs. .25 2.60 2.50
336	1 Doz. to Carton	24 lbs. .30 3.25 3.25

MAGAZINE FEEDER:		
18	2 Doz. to Carton	31 lbs. .28 3.20 3.10
139	2 Doz. to Carton	25 lbs. .35 3.85 3.75

PEERLESS FEEDERS:		
192	1 to the Carton	6 lbs. .90 10.80 10.80
193	1 to the Carton	7 lbs. 1.25 15.00 15.00

ECLIPSE FEEDERS:		
27	2 Doz. to Carton	17 lbs. .14 1.55 1.50
28	1 Doz. to Carton	15 lbs. .22 2.40 2.40
137	2 Doz. to Carton	14 lbs. .20 2.30 2.25
138	1 Doz. to Carton	13 lbs. .29 3.20 3.20

DOUBLE FEEDING TROUGHS:		
58	1 Doz. to Carton	13 lbs. .22 2.40 2.40
59	1 Doz. to Carton	17 lbs. .29 3.20 3.20
60	1 Doz. to Carton	22 lbs. .35 4.00 4.00

LARGE CAPACITY FEEDERS:		
140	6 to Carton	25 lbs. .75 8.64 8.64
141	3 to Carton	21 lbs. 1.05 12.00 12.00

BIG BOY FEEDERS:		
160	1 to Carton	16 lbs. 2.40 28.80 28.80
161	1 to Carton	19 lbs. 2.85 34.20 34.20

ROUND CHICK FEEDERS:		
G-8	6 Doz. to Carton	27 lbs. .08 .87 .85
G-12	6 Doz. to Carton	52 lbs. .12 1.35 1.30
T-8	6 Doz. to Carton	22 lbs. .10 1.20 1.15
T-12	6 Doz. to Carton	43 lbs. .20 2.30 2.20

INTERMEDIATE FEEDERS:		
154	6 to Carton	27 lbs. .78 9.12 9.12
155	6 to Carton	27 lbs. 1.15 13.80 13.80

GRIT AND SHELL BOXES:		
45	1 Doz. to Carton	11 lbs. .30 3.50 3.50
9	6 to Carton	14 lbs. .57 6.60 6.60
90	6 to Carton	18 lbs. .77 9.00 9.00

DRY MASH HOPPERS:		
35	6 to Carton	26 lbs. .85 10.20 10.20
36	4 to Carton	22 lbs. 1.05 12.60 12.60
13	4 to Carton	31 lbs. 1.20 14.40 14.40
37	2 to Carton	20 lbs. 1.45 17.40 17.40

PAGE 56

KLONDIKE FEEDERS—DELUXE:		F. O. B. Dallas—Carton Lots
Size	Metal Packed	Shp'g Wt. Each Dozen
28-inch	Galvanized	12 to carton 50 lbs. \$.70 \$ 8.00
48-inch	Galvanized	6 to carton 40 lbs. 1.05 12.00
28-inch	Charcoal Tin	12 to carton 45 lbs. .85 10.00

KLONDIKE FEEDERS—UTILITY:		
12-inch	Galvanized	36 to carton 42 lbs. .19 2.00
24-inch	Galvanized	12 to carton 27 lbs. .35 4.00
48-inch	Galvanized	6 to carton 27 lbs. .70 8.00
28-inch	Charcoal Tin	12 to carton 26 lbs. .53 6.00

PAGE 56—Continued

F.O.B. Dallas
Carton Lots
Dozen

GROWING CHICK FEEDER:

No.	Packed	Ship'g Wt.	Each	Dozen
CF24W	1 to carton	9 lbs.	\$1.15	
CF36W	1 to carton	13 lbs.	1.45	
CF1B	1 to carton	16 lbs.	1.85	
CF21	6 to carton	34 lbs.	.72	8.40
CF36	3 to carton	25 lbs.	1.20	13.95

WIRE GUARD FIVE-FOOT FEEDERS:

No.	Packed	Ship'g Wt.	Each	Carton Lots
355	2 to carton	58 lbs.	\$3.60	\$3.50 Ea.

MAGNOLIA ADJUSTABLE REEL FEEDERS:

Size	Packed	Ship'g Wt.	Each	Dozen
24-inch	12 to carton	29 lbs.	\$.40	\$4.75
36-inch	12 to carton	40 lbs.	.60	6.95
48-inch	12 to carton	67 lbs.	.85	8.75

MAGNOLIA GRILL FEEDER FOR GROWING CHICK:

No.	Packed	Ship'g Wt.	Each	Dozen
H3-2030	6 to carton	36 lbs.	\$.65	\$ 7.75
H3-2048	3 to carton	18 lbs.	1.05	12.00

NON-SPILL BUTTERMILK FEEDERS:

6 to crate	84 lbs.	.65	7.25
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LONG BOY FEEDER:

Size	Packed	Ship'g Wt.	Each
3 ft.	1 to carton	14 lbs.	\$2.75
6 ft.	1 to carton	24 lbs.	3.75

PAGE 57

FAMOUS STAR FOUNTS:

No.	Packed	Ship'g Wt.	Dozen	Gross
32	6 doz. to carton	18 lbs.	\$.60	\$6.75
133	6 doz. to carton	16 lbs.	.70	7.75

MASON JAR FOUNTS:

G-25	3 doz. to carton	9 lbs.	.60	6.95
T-25	3 doz. to carton	9 lbs.	.80	9.50

MAGNOLIA JAR FOUNTS:

H2-6	2 doz. to carton	12 lbs.	.75	8.75
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AUTOMATIC FOUNT:

No.	Packed	Ship'g Wt.	Each	Dozen
30	12 to carton	6 lbs.	\$.70	\$8.00

BOTTOM FILL FOUNTAIN:

B-1	24 to carton	15 lbs.	.15	1.75
B-2	24 to carton	24 lbs.	.20	2.25
B-4	12 to carton	19 lbs.	.28	3.25

HANDY FILL CHICK FOUNTAIN:

C2S	4 to carton	14 lbs.	.75	8.75
C3S	4 to carton	16 lbs.	.98	11.50

LARGE CAPACITY FOUNTS:

16	1 to carton	15 lbs.		\$3.75
B-16	1 to carton	25 lbs.		5.15
19	1 to carton	18 lbs.		5.10
B-19	1 to carton	28 lbs.		6.50

AUTOMATIC FOUNTAIN AND TROUGH:

Magnolia Fount	12 to carton	9 lbs.	1.00	12.00
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Galvanized

Trough	6 to carton	25 lbs.	.55	6.15
Porcelain Trough	6 to carton	36 lbs.	1.85	22.00

MAGNOLIA EASY FILL FOUNT:

No.	Packed	Ship'g Wt.	Each	Dozen
H3-16	6 to carton	10 lbs.	\$.35	\$4.15
H3-166	6 to carton	16 lbs.	.50	5.60

LARGE CAPACITY FOUNTAIN:

C-6	1 to carton	13 lbs.		2.10
05	1 to carton	15 lbs.		3.10
05B	1 to carton	28 lbs.		4.85

PAGE 58

MAGNOLIA GRILL TOP WATER PAN OR FEEDER:

No.	Packed	Ship'g Wt.	Each	Dozen
114	3 to carton	21 lbs.	\$1.10	\$12.75

GLASS CLOTH:

Roll of 10 yards or up	Shipping Weight	Yard
	53 lbs. per 100 yards	\$.20

CRYSTOL FABRIC:

Roll of 10 yards or up	35 lbs. per 100 yards	.11 1/2
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FOUNTAIN AND BROODER HEATER:

No.	Packed	Ship'g Wt.	Each	Dozen
10	3 to carton	13 lbs.		\$1.30

CEL-O-GLASS:

Roll of 300 Square Feet	45 lbs.	\$30.38
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1/4 Roll

1/4 Roll		15.19
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1/4 Roll

1/4 Roll		7.59
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MAGNOLIA FIBRE FREE POULTRY LITTER:

Coverage	Approx.	1 to 5	5 to 25	Over
Large Bale, 20/22 bushels	135 lbs.	\$2.35	\$2.25	\$2.15
Half Bale, 10/11 bushels	70 lbs.	1.35	1.25	1.20

PAGE 59

MAGNOLIA SHIPPING BOX

(Net Prices in Catalog): F. O. B. Dallas Prices

Size	Shipping Wt.	12 to 500	500 to 5000	5000 and over
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100 Chick Standard	28 lbs.	\$.09 1/4	\$.08 3/4	\$.08 1/2
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50 Chick Standard	17 lbs.	.06 1/4	.05 3/4	.05 1/2
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25 Chick Standard	10 lbs.	.04 1/4	.03 3/4	.03 1/2
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100 Chick Hot Weather	32 lbs.	.10	.09 1/2	.09 1/4
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50 Chick Hot Weather	19 lbs.	.07	.06 1/2	.06 1/4
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25 Chick Hot Weather	11 lbs.	.04 3/4	.04 1/4	.04
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MAGNOLIA CUSTOM HATCH BOX

(Net Prices in Catalog): 5000

Shipping Wt.	100 to 500	500 to 5000	5000 and over
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25 Chick 11x9x5	Per 100	\$2.75	\$2.65	\$2.50
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50 Chick 18x11x5	72 lbs.	3.75	3.65	3.50
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15 CHICK BAGS (Net Prices in Catalog)

Packed	Wt. per	Less than	250 to	1000	and over
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Bundle	Bundle	Per 100	Per 250	Per 1000	
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15 Chick Bags	250	15 lbs	\$1.25	\$2.85	\$10.50
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PAGE 59—Continued

F.O.B. Dallas

WAKE-O TEMPERATURE ALARM (Net Prices in Catalog):

Packed	Shipping Wt.	Each
1 to Box	2 lbs.	\$3.75

CHICK BOX SUPPLIES (Net Prices in Catalog):

	Shipping Wt.	Ea.
Ventilating Punch	1 lb.	\$.25
Hatchery Glue, 1 gal.	12 lbs.	.85
Hatchery Glue, 5 gal.	60 lbs.	5 Gal. 2.75
Sisal Twine, hard twist, 2-ply	5-lb. balls	Lb. .25
Jute Twine, 4-ply, 1/2-lb. balls	1/2 lb.	Lb. .25
2-inch Paper Sealing Tape	3 lbs.	Roll .50
Wood Wool, fine pine, bales	100 lbs.	Cwt. 2.65
Wood Wool, medium pine, bales	100 lbs.	Cwt. 1.95
Wood Wool, cottonwood, bales	100 lbs.	Cwt. 3.50
Wood Wool Pads:		
50 to bale, less than 20 bales	7 lbs.	Bale .45
20 bales or more		Bale .42 1/2

STAPLERS (Net Prices in Catalog):

1-H	1 to box	12 lbs.	Ea. 8.00
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ACME No. 142 TACKER (Net Prices in Catalog):

Tacker	4 lbs.	Ea. 7.50
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STAPLES (Net Prices in Catalog):

No. 142	4000 to box	2 lbs.	Per box	Per box
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XX	5000 to box	2 lbs.	1.35	1.25
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61	5000 to box	2 lbs.	1.60	1.50
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Tin Hand Staples	1000 to box	2 lbs.	.75	
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Staple Tool				.35
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FEATHER-WEIGHT VENTILATING

STRIPS (Net Prices in Catalog):

Packed	Shipping Wt.	Price
1000 to carton	40 lbs. to carton	\$2.25 per box of 1000

		2.00 per box, 10 box lots
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PAGE 60

STANDARD HATCHING EGG BOXES:

F.O.B. Dallas

Size	Packed	Shipping Wt.	1-9 Doz.	Over 10 Doz.
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15 Egg	12 to bundle	11 1/4 lbs.	\$1.00	\$.95
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30 Egg	12 to bundle	16 1/4 lbs.	1.80	1.75
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FARMERS' FRIEND EGG CARRIERS:

6 Doz.	2 to bundle	Each	Dozen
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12 Doz.	2 to bundle	9 lbs.	.95
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Fillers and Flats, per set			.20
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ACME EGG GRADING SCALES:

Packed 1 to Box	Shipping Weight, 3 lbs.	Each
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Egg Stamps:		\$2.35
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Quantity	Price for Change	Quantity	Price for Change
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1 to 5	\$0.80 Ea.	1 to 10	\$0.80 Ea.
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5 to 10	75 Ea.	10 to 20	75 Ea.
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10 to 20	70 Ea.	20 to 30	72 Ea.
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20 to 25	67 Ea.	30 to 35	70 Ea.
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25 to 50	60 Ea.	35 to 40	69 Ea.
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50 to 75	58 Ea.	40 to 50	67 Ea.
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75 to 100	55 Ea.		
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Stamp Pads, per dozen			\$2.50
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CAPONIZING INSTRUMENTS:

Packed 1 to box	Shipping Weight, 1 lb.	Each
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Superior Hatching Egg Boxes:	1-9 Doz.	Over 10 Doz.
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Size	Packed	Shipping Wt.	Doz.	Doz.
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15 Egg	12 to bundle	15 lbs.	\$1.25	\$1.15
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30 Egg	12 to bundle	23 lbs.	2.15	2.10
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EGG CASES (Net Prices in Catalog):

Kind	To Bundle	Shipping Wt.	Bundle Lots
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Cottonwood	25	200 lbs.	Per Bundle \$6.25
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Fillers and Flats for same:

12-30 Doz. Sets	Shipping Wt.	Set	Case
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50 lbs.	\$0.50	\$2.00
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COMMERCIAL 2x6 EGG BOXES (Net Prices in Catalog):

Quantity	Packed	Shipping Wt.	Per 100
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50 to 250	250 to bundle	40 lbs.	\$1.65
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250-5000			\$1.45
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5000 and up			1.35
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EAGLE EGG BOXES (Net Prices in Catalog):

Quantity	Packed	Shipping Wt.	Per 100
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50 to 250	250 to bundle	25 lbs.	1.00
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250 and up			.75
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NEST EGGS:

China	Packed	Shipping Wt.	Doz.	Gross
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Chalk	1 gross to box	8 lbs.	\$.25	\$2.25
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	3 gross to box	55 lbs.	.35	3.75
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OAT SPROUTERS:

110	1 to carton	Shipping Wt.	Each
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		26 lbs.	\$4.00
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GRIT, OYSTER SHELL AND CHARCOAL:

Grit	Per Sack	Less than	Sack Lots	Sack Lots
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Oyster Shell	100 lbs.	\$.01 1/2 lb.	\$1.00 Cwt.	
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Charcoal	100 lbs.	.01 1/2 lb.	1.00 Cwt.	
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	50 lbs.	.03 lb.	2.25 C
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PAGE 61—Continued

FEED AND WATER CUPS:

	Packed to Carton	Shipping Wt. per Carton	F.O.B. Dallas Each	Dallas Dozen
No. 61 Exhibition Cups	6 doz.	17 lbs.	\$.10	\$ 1.20
HEATING ELEMENT FOR SMALL BROODERS:				
A-60	12	4 lbs.	.45	4.80
A-600	12	5 lbs.	.45	4.80
AUTO COOP:				
No. 1217	Size 41x24x13 in.	Packed 1 to carton	Shipping Wt. 19 lbs.	Price Each \$2.60
NUMBERALL ROTARY STEEL HAND STAMP:				
Stamp with numerals		Shipping Wt. 2 lbs.	Each \$2.25	
Stamp with alphabet letters		5 lbs.	4.50	

PAGE 62

EPSOM SALTS:				
1 to 25 lbs., per lb.			Price \$.05 lb.	
25 to 50 lbs., per lb.			.04 1/2	
100 lbs. and over, per 100 lbs.			3.75	
COD LIVER OIL:				
Single Gallons	Case Wt. 10 lbs.		\$1.35	
5-Gallon lots			1.25	
30-Gallon Drums			1.00	
F. & E. CHICK PICK REMEDY:				
1 Dozen to Case		Per Doz.	\$4.50	
RED ROOSTER ROUP REMEDY:				
8 oz.	2 doz. to case	Shipping Wt. 28 lbs.	Dozen \$4.00	
16 oz.	1 doz. to case	26 lbs.	7.95	
DOUBLE D FLOCK WORMER:				
8 oz.	2 doz. to case	28 lbs.	\$4.00	
16 oz.	1 doz. to case	26 lbs.	7.95	
DOUBLE D TONIC:				
8 oz.	2 doz. to case	28 lbs.	\$4.00	
16 oz.	1 Doz. to case	26 lbs.	7.95	
SULPHUR:				
1 to 25 lbs.	25 to 100 lbs.	100 lbs. and over	F.O.B. Dallas	
For poultry use	per lb.		\$.03 1/2	
TOBACCO DUST:				
1% Nicotine			\$.05	
FOX'S CANNIBALISM CONTROL:				
1/2 pint	12 to case		\$.85 Ea.	
1 pint	12 to case		1.35 Ea.	
PULVEX:				
2 oz. Shaker Can	24 to case		\$4.00 Doz.	
WALKO POULTRY REMEDY:				
50-cent size	24 to case		\$4.00 Doz.	
\$1.00 size	12 to case		8.00 Doz.	
JAHNKE'S POULTRY POWDER:				
36 to case	\$4.50 Doz.	Per 3-dozen lots	\$4.25 Doz.	
BARNES EMULSION:				
Quarts	Packed 12 to case	Shipping Wt. 33 lbs.	Dozen \$ 8.00	
Gallons	6 to case	68 lbs.	24.00	
5-gallon kegs		50 lbs.	Ea. 8.34	
30 gallon barrels		300 lbs.	Ea. 49.75	

PAGE 63

B-K:				
4 oz.	Packed 24 to case	Case Wt. 16 lbs.	F.O.B. Dallas Dozen \$ 2.40	
10 oz.	24 to case	35 lbs.	4.00	
1 quart	12 to case	48 lbs.	7.20	
1 gallon	1 to case	17 lbs.	16.00	
5 gallons	1 to case	68 lbs.	Ea. 5.67	
B-K POWDER:				
9 1/3 oz.	Packed 12 to case	Case Wt. 18 lbs.	Dozen \$ 6.00	
1 3/4 lb.	12 to case	41 lbs.	12.00	
BARNES CHICKEN POX REMEDY:				
175 Tablet	Packed 12 to box	Case Wt. 2 lbs.	Dozen \$3.95	
465 Tablet	12 to box	5 lbs.	7.95	
BARNES COLD REMEDY:				
2-oz. bottle	Packed 12 to box	Case Wt. 3 lbs.	Dozen \$3.95	
6-oz. bottle	12 to box	7 lbs.	7.95	
16-oz. bottle	12 to box	16 lbs.	15.00	
BARNES DIARRHEA REMEDY:				
Pints	Packed 12 to box	Case Wt. 16 lbs.	Dozen \$ 4.20	
Gallons	1 Each	13 lbs.	24.00	
BARNES EMBROCATION:				
2 oz. bottle	Packed 12 to box	Case Wt. 3 lbs.	Dozen \$4.00	
4-oz. bottle	12 to box	6 lbs.	8.00	
DR. LEGEARS REMEDIES:				
Bowel Regulator	Packed 1 doz. to case	F.O.B. Dallas Prices \$2.00 Doz.		
Chick Diarrhea Tablets	1 doz. to case	4.00 Doz.		
Cow Prescription, 2-lb. kegs	1 doz. to case	4.00 Doz.		
Dip and Disinfectant, quarts	1 doz. to case	6.00 Doz.		
Dip and Disinfectant, 1/2 gallon	1 doz. to case	9.00 Doz.		
Dip and Disinfectant, 1 gallon	1/2 doz. to case	16.00 Doz.		
Fly Chaser, quarts	1 doz. to case	6.00 Doz.		
Fly Chaser, gallons	1/2 doz. to case	16.00 Doz.		
Gall Remedy	1 doz. to case	2.40 Doz.		
Hog Prescription, 3 1/2 lbs.	1 doz. to case	4.80 Doz.		
Hog Prescription, 25-lb. pail	1 only to case	2.40 Ea.		
Lice Powder	1 doz. to case	2.40 Doz.		
Liniment	1 doz. to case	2.40 Doz.		
Kamala Pills, 100 pills		.85 100		
Nicotine Pills, 50-pill boxes		4.00 Doz.		
Nicotine Pills, 100-pill boxes		8.00 Doz.		
Poultry Prescription, Small	1 doz. to case	2.00 Doz.		
Poultry Prescription, Medium	1 doz. to case	4.00 Doz.		
Poultry Prescription, Large	1/2 doz. to case	8.00 Doz.		

PAGE 63—Continued

Poultry Prescription, 25-lb. pails	1 only to case	F.O.B. Dallas 24.00 Doz.	
Roup Pills	1 doz. to case	2.00 Doz.	
Screw Worm Killer	1 doz. to case	2.40 Doz.	
Sorehead Remedy	1 doz. to case	2.00 Doz.	
Stock Powder, Small	1 doz. to case	2.00 Doz.	
Stock Powder, Medium	1 doz. to case	4.00 Doz.	
Stock Powder, Large	1/2 doz. to case	8.00 Doz.	
Stock Powder, 25-lb. pails	1 only to case	2.00 Ea.	
STAR PARASITE REMOVER:			
\$1.00 size	1 doz. to case	8.00 Doz.	
UDDER HELP:			
1/2-lb. can	12 to case	Shipping Wt. 9 lbs.	\$4.00 Doz.
1-lb. can	12 to case	15 1/4 lbs.	7.20 Doz.
HESS & CLARK REMEDIES:			
Fly Spray, 1/2 gallon	Packed 12 to case		\$1.00 Ea.
Fly Spray, 1 gallon	12 to case		1.50 Ea.
Instant Louse Killer, lb.	36 to case		2.40 Doz.
Pan-A-Min, 3-lb. package	36 to case		5.20 Doz.
Pan-A-Min, 15-lb. package	12 to case		18.00 Doz.
Pan-A-Min, 25-lb. package	1 to case		2.50 Ea.
Roup Tablets	12 to case		4.00 Doz.
Stock Tonic, 3 lbs.	36 to case		5.20 Doz.
Stock Tonic, 5 lbs.	24 to case		6.80 Doz.
Stock Tonic, 10 lbs.	12 to case		12.00 Doz.
Stock Tonic, 15 lbs.	1 to case		18.00 Doz.
Stock Tonic, 25-lb. pail	1 to case		2.50 Ea.
Stock Tonic, 100 lbs.	1 to case		9.00 Ea.
White Diarrhea Tablets	48 to case		4.00 Doz.
Ver-Mi-Trol, 4-lb. package	24 to case		1.00 Ea.
Ver-Mi-Trol, 10-lb. package	12 to case		2.17 Ea.
LEE'S REMEDIES:			
LEE'S GIZZARD CAPSULES:			
Chick size (500 to package)	Per 100 \$.60	Per 500 \$2.34	Per 1000 \$4.00
Pullet size (500 to package)	.90	3.34	6.00
Adult size (500 to package)	1.20	4.50	8.00
LEE'S GERMOZONE:			
4-oz. bottle	Packed 3 doz. to case	Shipping Wt. 30 lbs.	Dozen \$ 3.00
12-oz. bottle	2 doz. to case	46 lbs.	5.50
32-oz. bottle	1 doz. to case	50 lbs.	11.00
1 gallon	1 to case	15 lbs.	Ea. 3.00
LEEMULSION:			
12-oz. bottle	Packed 24 to case	Shipping Wt. 23 lbs.	\$ 7.50 Doz.
VAPO SPRAY:			
32 ounces	Packed 24 to case	Shipping Wt. 35 lbs.	\$ 6.00 Doz.
1/2 gallon	12 to case	65 lbs.	10.00 Doz.
1 gallon	6 to case	125 lbs.	16.00 Doz.
RUSSELL'S REMEDIES:			
Korum, 1/2 pint	Packed 4 doz. to case		\$5.10 Doz.
Korum, 1 pint	2 doz. to case		8.00 Doz.
REVENGE LICE DESTROYER:			
1 1/2-lb. can	4 doz. to case		5.10 Doz.
3-lb. can	2 doz. to case		8.00 Doz.
WORM-R:			
Enough for 80 hens	4 doz. to case		5.10 Doz.
Enough for 160 hens	2 doz. to case		8.00 Doz.
GERMO REMEDIES:			
Germo Cholerine, 50 tablets	24 to case		4.00 Doz.
Germo Cholerine, 120 tablets	24 to case		8.00 Doz.
Germo Cholerine (Liquid)			
8-oz. bottle	24 to case		2.40 Doz.
16-oz. bottle	24 to case		4.80 Doz.
32-oz. bottle	12 to case		8.00 Doz.
1/2 gallon	12 to case		14.00 Doz.
1 gallon	6 to case		20.00 Doz.
Germo Form (4-X) Spray			
8-oz. bottle	24 to case		4.00 Doz.
16-oz. bottle	24 to case		7.20 Doz.

PAGE 64

BLACK LEAF 40:				
1 oz.	Packed 24 to box	Case Wt. 6 lbs.	F.O.B. Dallas Prices In Case Lots Ea. \$.25	\$2.70 Doz.
5 oz.	12 to box	10 lbs.	Ea. .70	8.00 Doz.
1 lb.	12 to box	25 lbs.	Ea. 1.60	18.00 Doz.
2 lbs.	12 to box	32 lbs.	Ea. 2.35	27.00 Doz.
5 lbs.	6 to box	41 lbs.	Ea. 4.75	47.0 Ea.
10 lbs.	6 to box	75 lbs.	Ea. 8.35	82.5 Ea.
C-A WOOD PRESERVER:				
Quart	Packed 12 to box	Case Wt. 31 lbs.	Dozen \$ 5.00	
2 quarts	6 to box	31 lbs.	8.75	
1 gallon	6 to box	62 lbs.	13.75	
5 gallons		50 lbs.	Ea. 5.35	
30-gallon drums		250 lbs.	per gal. .88	
55-gallon drums		475 lbs.	per gal. .83	
STERILAC:				
2 oz.	Packed 12 to box	Case Wt. 7 lbs.	Dozen \$ 8.00	
8 oz.	24 to box	42 lbs.	20.00	
16 oz.	12 to box	31 lbs.	Ea. 3.00	
5 lbs.	6 to box	34 lbs.	Ea. 12.00	
CARBOLA:				
5 lbs.	Packed 12 to case	Case Wt. 80 lbs.	Dozen \$ 6.30	
10 lbs.	6 to case	80 lbs.	10.50	
25 lbs.	1 to case	25 lbs.	Ea. 2.00	
50 lbs.	1 to case	50 lbs.	Ea. 3.50	
SODIUM FLUORIDE:				
1/2-lb. cans	Packed 24 to box	Case Wt. 15 lbs.	Dozen \$1.75	
1-lb. cans	12 to box	15 lbs.	2.75	
Bulk, less than 100 lbs., per lb.			.17	
100 lbs. or more, per lb.			.16	
PARINOX:				
12 oz.	Packed 48 to case	Case Wt. 50 lbs.	Dozen \$2.75	
1 1/2 lbs.	24 to case	46 lbs.	4.75	
3 lbs.	12 to case	45 lbs.	6.00	
6 lbs.	6 to case	44 lbs.	8.00	
25 lbs.	1 to case	25 lbs.	Ea. 2.67

Double Giant Zinnia.

Texas Blue Bonnet

The beautiful native flower of Texas, blooming in early spring. Grows wild all over the prairies of Central and South Texas. Plants grow to 12 inches high and are covered with beautiful dark blue flowers, tinged with white. Grow well on poor, as well as rich soil. A profuse bloomer, well adapted for massing in beds. Also fine for cutting. Prices: Pkt. 10c; oz. 25c; 1/4 lb. 65c; lb. \$2.00; postpaid.

Zinnias

No other annual enjoys the popularity of the Zinnia. It produces the most brilliant, showy and satisfactory flower, with an enormous range of colors. Cut flowers last from ten days to two weeks in water. The plants withstand lots of heat and thrive splendidly in sunny locations. No garden is complete without a display of these flowers.

OUR NEW GIANT ZINNIAS are magnificent. They bear huge flat double flowers, often measuring six inches in diameter when in full bloom.

DOUBLE GIANT IMPROVED GRANDIFLORA ROBUSTA VARIETIES

	Prices—Postpaid		
	Pkt.	3 Pkts.	Oz.
Red	\$.10	\$.25	\$1.00
Orange	.10	.25	1.00
Pink	.10	.25	1.00
Purple	.10	.25	1.00
Yellow	.10	.25	1.00
White	.10	.25	1.00
Mixed	.10	.25	.90

Sunflower

Stately old-fashioned flowers, especially favored as a background for lawns and in front of high fences. Valuable also as a screen to hide unsightly places. Their very tall, dense growth and bright yellow disc-like flowers of very large size and long blooming period make them one of the most deserving and useful of hardy annuals.

NANUS, DOUBLE MIXED—Dwarf, double yellow flowers. Prices: Pkt. 10c; 3 pkts. 25c; oz. 40c; postpaid.

Sweet William (Dianthus Barbatus)

A well-known, extensively used, sweet-scented perennial for bedding and borders; produce a succession of flower clusters, thus affording splendid bloom for several weeks. Colors are exceedingly varied, ranging from white through many shades of rose, lilac red, carmine, crimson and maroon to nearly black, usually two shades to each plant. Finest Double Mixed Prices: Pkt. 10c; 3 pkts. 25c; oz. 90c; postpaid.

Dahlia Flowered Zinnias.

Cactus Flowered Zinnias

If you like the cactus type dahlia, you will be immensely pleased with these unusual Zinnias.

CACTUS FLOWERED MIXED—Prices: Pkt. 15c; 3 pkts. 40c; oz. \$1.70; postpaid.

Double Dahlia Flowered Zinnias

Produce beautiful large double flowers of the dahlia type, similar to the decorative dahlia. They are most pleasing, and the varieties given below represent the best types to be had:

	Prices—Postpaid		
	Pkt.	3 Pkts.	Oz.
EXQUISITE—Rose-pink	.20	.50	\$2.50
PURPLE PRINCE—A fine deep purple	.20	.50	2.50
GOLDEN STATE—Orange-yellow	.20	.50	2.50
ORIOLE—Orange	.20	.50	2.50
ILLUMINATION—Bright pink	.20	.50	2.50
CRIMSON MONARCH—Largest Red	.20	.50	2.50
DREAM—Lavender	.20	.50	2.50
POLAR BEAR—White	.20	.50	2.50
DOUBLE DAHLIA (Flowered) Mixed	.15	.40	2.00

Double Lilliput Zinnias

A most charming dwarf type, used principally for borders and beds. They are of bushy habit and produce large quantities of very double pom-pom flowers about 1 1/2 inches in size. Colors are very bright and well varied. A hardy annual that can be depended upon.

	Prices—Postpaid		
	Pkt.	3 Pkts.	Oz.
SCARLET GEM—Scarlet red	\$.10	\$.25	\$1.00
SALMON ROSE—Lovely new shade	.10	.25	1.00
GOLDEN GEM—Golden orange	.10	.25	1.00
MIXED COLORS	.10	.25	1.00

Verbena.

Vinca (Periwinkle)

Free-flowering bedding plant adapted to the entire South. Produces handsome round, single flowers and luxuriant foliage of dark green, suitable for pots, boxes, beds and borders. A tender perennial but is treated as an annual. Flowers white and rosy-pink and many with crimson-pink eyes.

PURE WHITE—Prices: Pkt. 10c; 3 pkts. 25c; oz. \$1.00; postpaid.

ROSEA—Prices: Pkt. 10c; 3 pkts. 25c; oz. \$1.00; postpaid.

MIXED—Prices: Pkt. 10c; 3 pkts. 25c; oz. \$1.00; postpaid.

Verbena

Well-known annual of low-growing habit, very desirable for massing in beds on the lawn. Suitable also for borders and window boxes. A tender perennial.

HYBRIDA, Red—May be relied upon to produce the true, deep scarlet color. Most brilliant when bedded. Prices: Pkt. 10c; 3 pkts. 25c; oz. \$1.25; postpaid.

HYBRIDA, Pink. Prices: Pkt. 10c; 3 pkts. 25c; oz. \$1.25; postpaid.

HYBRIDA, Purple—Prices: Pkt. 10c; 3 pkts. 25c; oz. \$1.25; postpaid.

HYBRIDA, Lavender—Prices: Pkt. 10c; 3 pkts. 25c; oz. \$1.25; postpaid.

HYBRIDA, White—Prices: Pkt. 10c; 3 pkts. 25c; oz. \$1.25; postpaid.

HYBRIDA, Fine Mixed—Prices: Pkt. 10c; 3 pkts. 25c; oz. \$1.00; postpaid.

Lilliput Zinnias.

Lilliput Zinnias.

Square Brand Hi-Yielding Field Seeds

Silver Mine.

Our Square Brand Field Seeds are recognized for their outstanding quality. This is the result of expensive and pains-taking care in breeding, and selecting experienced growers, many of whom grow exclusively for us.

Square Brand Seed Corn

TO INCREASE YIELD AND CONTROL DISEASE, TREAT CORN SEED WITH SEMESAN JR. BEFORE PLANTING

At the low, per acre, cost no one can afford to plant inferior seed corn. It is one of our most important crops. Good seed costs only a few cents per acre more than poor seed. Yet the yield can easily double or triple the cash you receive for the crop. We recommend Southern grown seed in most instances, especially on good rich soil. We also handle some Northern grown corn for those wanting early maturity.

Southern Grown Varieties

CHISHOLM WHITE, RED COB—A native variety. Large ear, large deep creamy-white grain. Red cob has no equal as a milling corn. It is medium early maturing in from 105 to 115 days. Prices: Lb. 20c; 2 lbs. 35c; postpaid. Not prepaid, pk. 65c; bu. \$2.25. Ask for prices in larger quantities.

WHITE WONDER—A large ear, with medium large grain and white medium sized cob. Used extensively in South Texas for roasting ears—medium early, maturing in from 110 to 120 days. Prices: Lb. 20c; 2 lbs. 35c; postpaid. Not prepaid, pk. 65c; bu. \$2.25. Ask for prices in larger quantities.

YELLOW DENT—The best high-yielding yellow corn for the South—deep large yellow grain. Medium large ears. Withstands storms on account of large stalk. Matures in from 110 to 120 days. Prices: Lb. 20c; 2 lbs. 35c; postpaid. Not prepaid, pk. 65c; bu. \$2.25. Ask for prices in larger quantities.

SURCROPPER—The most popular early maturing corn. Its drought resisting qualities make it desirable for summer planting as well as spring. Planted extensively on stubble after grain harvest. Large white grain on white cob. Medium large and well-formed ear. Matures in from 100 to 110 days. Prices: Lb. 20c; 2 lbs. 35c; postpaid. Not prepaid, pk. 65c; bu. \$2.25. Ask for prices in larger quantities.

STRAWBERRY—A popular and high yielding corn in Texas and other Southern states. Large ear with strawberry colored kernels; a fine all-purpose corn. Matures in from 115 to 125 days. Prices: Lb. 20c; 2 lbs. 35c; postpaid. Not prepaid, pk. 65c; bu. \$2.25. Ask for prices in larger quantities.

SQUAW SEED CORN—A natural drought-resisting variety. Grains are a combination of colors mostly blue and white. Large ears, good yield. Plant any time from March to August. Compare favorably with Mexican June Corn for late planting. Matures in from 105 to 115 days. Prices: Lb. 20c; 2 lbs. 35c; postpaid. Not prepaid, pk. 65c; bu. \$2.25. Ask for prices in larger quantities.

BLOODY BUTCHER—A good yielder—well adapted to the South. Produces a beautiful deep red grain. Matures in 120 to 130 days. Prices: Lb. 20c; 2 lbs. 35c; postpaid. Not prepaid, pk. 65c; bu. \$2.25. Ask for prices in larger quantities.

HICKORY KING—A good drought resister and medium yield. Large flat white grain, very small cob and largely planted for roasting ears. Prices: Lb. 20c; 2 lbs. 35c; postpaid. Not prepaid, pk. 65c; bu. \$2.25. Ask for prices in larger quantities.

DWARF MEXICAN JUNE—A dependable drought-resister. Planted extensively in May, June and July; also popular for stubble planting and roasting ears. Matures in from 100 to 110 days. Prices: Lb. 20c; 2 lbs. 35c; postpaid. Not prepaid, pk. 65c; bu. \$2.25. Ask for prices in larger quantities.

Protect Your Seed Corn With Stanley's Crow Repellent

This repellent protects and insures you against crows and other pests pulling corn while it is germinating, sprouting and rooting. Crows hate it. It saves loss of seed and labor of replanting. Positively will not clog any planter. Protects seed from rotting in the ground. It is non-poisonous and will not injure the seed of any kind of corn. It does not kill birds or animals but will keep them away and prevent destruction.

Easy to use. Economical. Costs only 10c to 12c per acre, depending on the quantity of seed used, in planting.

Postpaid Prices

1 Quart (enough for four bushels seed corn).....\$1.75
1 Pint (enough for two bushels seed corn)..... 1.00
1/2 Pint (enough for one bushel seed corn)..... .60

After securing the purest stocks obtainable, we give special care to handling our seeds—using the most modern cleaning equipment and methods, so as to assure their purity, high germination and good appearance.

Chisholm, Red Cob.

Northern Grown Varieties

SILVER MINE—Quick maturing and hardy; also splendid yielder. Pure white kernel, small white cob. Matures in from 90 to 100 days. Prices: Lb. 20c; 2 lbs. 35c; postpaid. Not prepaid, pk. 60c; bu. \$2.00. Ask for prices in larger quantities.

GOLD MINE—The earliest maturing variety of all yellow Northern corn. Bright golden yellow grain on small cob, similar to Silver Mine except in color. Prices: Lb. 20c; 2 lbs. 35c; postpaid. Not prepaid, pk. 60c; bu. \$2.00. Ask for prices in larger quantities.

EARLY WHITE PEARL—Largely used for roasting ears. Is the earliest maturing corn on the market. Produces large, uniform ears, with pure white kernels—with more fluid than Silver Mine. Prices: Lb. 20c; 2 lbs. 35c; postpaid. Not prepaid, pk. 60c; bu. \$2.00. Ask for prices in larger quantities.

YELLOW LEAMING DENT—A standard variety and very popular in the South on account of its early maturity. Deep, closely packed yellow grain. Medium sized ears. Prices: Lb. 20c; 2 lbs. 35c; postpaid. Not prepaid, pk. 60c; bu. \$2.00. Ask for prices in larger quantities.

These Profits are Worth Investigating

Semesan Jr. increased the yield of field corn 21.3 bushels per acre over the untreated seed, planted in the same field.

Not less than three bushels more corn per acre can be reasonably expected by any farmer who treats seed corn before planting. Field or sweet corn dusted with Semesan Jr. is protected from destructive root rots. Better germination, better stands and better yields of improved quality are obtained.

Early planting frequently makes larger yields possible, but early planted corn has always been handicapped by the seed rotting in the ground. Semesan Jr. affords seed corn protection from rotting in cold, wet soil.

Understand this is a seed disinfectant and not an insecticide, although some users claim that ants, bugs, gophers, etc., do not attack seed treated with Semesan Jr.

Treatment with Semesan Jr. costs less than 3c per acre, and pays a splendid profit on the cost. Easily and quickly applied as a dust, at rate of 2 ounces per bushel of seed. Prices: 4 oz. 50c; 1 lb. \$1.75; 5 lbs. \$8.00; postpaid.

Square Brand Field Beans

INCREASE YOUR YIELD AND BUILD YOUR SOIL BY
INOCULATING BEAN SEED WITH NITRAGIN

MUNG BEANS—Mung Beans were introduced into America as far back as 1835. They are upright in growth, strong and vigorous, free from disease and make excellent hay, beans excellent for table use, the flavor being quite similar to cowpeas. The beans mature in 90 to 100 days. Plant same time as cowpeas. A splendid soil-builder. Five pounds will plant an acre with a drill in $3\frac{1}{2}$ foot rows. Does well broadcast also. Prices: Lb. 35c; 2 lbs. 65c; postpaid. Not prepaid, 5 lbs. 90c; 20 lbs. \$3.00. Ask for prices on larger quantities.

Soy Beans

Soy Beans belong to the legume family, being wonderful soil builders. They take nitrogen from the air and store it in the nodules of their roots. They do well on same soil as corn, but will produce very satisfactorily on poorer soil. Land should be prepared as for cowpeas, and seed planted in drills. If wanted for hay crop, vines should be cut when the upper leaves begin to turn yellow, but if wanted for seed, gathering should be delayed until nearly all the leaves have fallen.

NEW LAREDO—A new variety that is a distinct addition to the forage crops of the Cotton Belt. Its value, when compared to other soy beans, is in the fineness of its stems, its yield of hay, its medium early maturity and its heavy yield of seed. One bushel will plant from 8 to 10 acres in $2\frac{1}{2}$ -foot rows. Seed should be dropped from 3 to 6 inches apart in the drill and covered 1 inch. It is both wilt-resistant and nematode-resistant. Prices: Lb. 25c; 2 lbs. 45c; postpaid. Not prepaid, 20 lbs. \$1.50. Ask for prices on larger quantities.

MAMMOTH YELLOW—The most popular and largest yielder. Grows 3 to 5 feet high. Should not be planted until all danger of frost is past. For hay and as a soil builder sow $2\frac{1}{2}$ bushels per acre broadcast; for beans plant from 15 to 30 pounds per acre in drills $3\frac{1}{2}$ feet apart. Prices: Lb. 25c; 2 lbs. 45c; postpaid. Not prepaid, 20 lbs. \$1.25. Ask for prices on larger quantities.

SQUARE BRAND VELVET BEANS—Becoming very popular for forage crop and as a soil builder. Grows faster and more prolific than other forage plants. Splendid for grazing all kind of stock. Fine for planting in corn. Plant in rows 3 to 5 feet apart, 2 to 3 pecks per acre.

EARLY SPECKLED OR 100 DAY VINING—An extra Early variety. Can be planted in May and June and still mature before frost; also fine for September planting to be turned under as cover crop for improving soil. Prices: Lb. 25c; 2 lbs. 45c; postpaid. Not prepaid, 20 lbs. \$1.25. Ask for prices on larger quantities.

Mammoth Yellow Soy Beans.

Field or Cow Peas

To Increase Your Yield and Build Your Soil
Inoculate Cowpeas With Nitragin.

Cowpeas are the old reliable leguminous crop for the South. Adapted to practically every kind of soil, besides being the cheapest and surest means of improving soil. They add nitrogen to the soil and improve its mechanical condition, besides yielding a prolific crop of nutritious hay. The seed are universally used for human food.

SPECKLED WHIPPOORWILL—The most popular and widely grown early variety. Grows upright; easily gathered. Brown speckled seed. Prices: Lb. 20c; 2 lbs. 35c; postpaid. Not prepaid, 20 lbs. \$1.10. Ask for prices on larger quantities.

BRABHAM—An early wilt-proof, disease-resistant variety. Very similar to Whip-poorwills except much smaller seed requiring less for planting a given acreage. The foliage is valuable for hay. Prices: Lb. 25c; 2 lbs. 45c; postpaid. Not prepaid, 20 lbs. \$1.50. Ask for prices on larger quantities.

CLAY—Matures a little late; medium sized seed. Vines long and leafy; exceptionally good as a soil builder. Prices: Lb. 20c; 2 lbs. 35c; postpaid. Not prepaid, 20 lbs. \$1.10. Ask for prices on larger quantities.

Whippoorwill Peas.

MIXED COWPEAS—A mixture of the principal varieties listed above. Are very popular especially for hay and cover crops. Prices: Lb. 20c; 2 lbs. 45c; postpaid. Not prepaid, 20 lbs. \$1.10. Ask for prices on larger quantities.

CREAM OR LADY—Extensively used for table use. Prolific bearer and can be used green or dry; also good soil builders. Prices: Lb. 25c; 2 lbs. 45c; postpaid. Not prepaid, 20 lbs. \$1.25. Ask for prices on larger quantities.

Velvet Beans.

BLACK EYE—The most prolific and widely used of any of the varieties. Most popular for home gardens and table use and for market by truck growers. Usually brings better prices than other varieties. Prices: Lb. 25c; 2 lbs. 45c; postpaid. Not prepaid, 20 lbs. \$1.25. Ask for prices on larger quantities.

BROWN CROWDER—A fine flavored table pea and one of the earliest to mature. Grows upright and very prolific. Prices: Lb. 20c; 2 lbs. 35c; postpaid. Not prepaid, 20 lbs. \$1.10. Ask for prices on larger quantities.

WHITE CROWDER—A very popular variety of a delightful flavor for table use. Prices: Lb. 25c; 2 lbs. 45c; postpaid. Not prepaid, 20 lbs. \$1.25. Ask for prices in larger quantities.

Brown Crowder Peas.

German Millet.

HOG OR MANITOBA—This variety produces an extra large head and grain; high in feeding value for stock and poultry. Prices: Lb. 20c; 2 lbs. 35c; postpaid. Not prepaid, 20 lbs. \$1.25. Ask for prices on larger quantities.

Square Brand Seed Oats

TREAT WITH CERESAN BEFORE SOWING

SQUARE BRAND RED RUST PROOF—Very resistant to winter killing. Deep rooted and free-stooling. Splendid drought resister with small stiff stems. Special care is used in recleaning. Prices: Bu. 60c; 10 bus. 55c per bu.; not prepaid. Ask for prices on larger quantities.

EARLY FULGHUM—This variety matures about 10 days earlier than ordinary Texas Red Oats; has tall stiff stems; resistant to storms. Can not be excelled for hardness and resistance to Rust and other diseases. The kernels are a rich buff in color and usually free from Beards. Plant in fall or spring, 2¼ bushels to the acre. Prices: Bu. 65c; 10 bus. 60c per bu.; not prepaid. Ask for prices on larger quantities.

FERGUSON NUMBER "71" — FERGUSON NUMBER 922—We have a quantity of these oats grown from seed one year from originator. They are recognized as one of the finest strains of Red Rust Proof Oats and are much in demand by our customers. Prices: Bu. 65c; 10 bus. 60c per bu.; not prepaid. Ask for prices on larger quantities.

Winter Rye

TREAT WITH CERESAN BEFORE SOWING

WINTER RYE—Is fast becoming appreciated as winter pasture and as a cover crop to be turned under for green manure. Sow 1¼ to 1½ bushels per acre. Prices: Pk. 35c; bu. \$1.25; 10 bus. \$1.10 per bu.; not prepaid. Ask for prices on larger quantities.

Mediterranean Wheat.

Winter Barley

TREAT WITH CERESAN BEFORE SOWING

SQUARE BRAND WINTER BARLEY—Yields from 30 to 60 bushels per acre and makes a fine winter pasture. Grown from certified seed. Ground barley for dairy feed is becoming most popular and the demand is increasing. Sow about 2 bushels per acre. Prices: Pk. 25c; bu. 80c; 10 bus. 75c per bu.; not prepaid. Ask for prices on larger quantities.

Seed Wheat

TREAT WITH CERESAN BEFORE SOWING

MEDITERRANEAN BEARDED—The best variety for the Southwest. One of the best grain crops. Prices: Pk. 35c; bu. \$1.15; 10 bus. \$1.00 per bu.; not prepaid. Ask for prices on larger quantities.

Square Brand Millet Seed

Plant some of your well drained up land in Millet. Our Southern Grown Big German Millet is the finest grade obtainable. If grown for seed, drill and cultivate, planting 5 to 10 pounds per acre; for hay sow 20 to 25 pounds per acre.

SQUARE BRAND BIG GERMAN—Now recognized as the finest quality, becoming more popular each year. Extra large heads, grows rank, best variety for hay for which it should be cut when in full bloom. On good soil a yield of five tons per acre is not unusual. Prices: Lb. 20c; 2 lbs. 35c; postpaid. Not prepaid, 20 lbs. \$1.25. Ask for prices on larger quantities.

PEARL OR CAT TAIL (Pencillaria)—Especially recommended for continuous cutting forage plant. Grows very tall but if cut when 3 to 4 feet high, will stool rapidly and can be cut three to four times in one season. Plant 5 pounds per acre in drills 3 feet apart or sow broadcast 20 to 30 pounds per acre. Do not sow before May. Prices: Lb. 30c; 2 lbs. 55c; postpaid. Not prepaid, 10 lbs. \$1.75. Ask for prices on larger quantities.

Spanish Peanuts.

Broom Corn

EVERGREEN DWARF—Most popular variety in Texas and Oklahoma. Noted for earliness in maturity. Robust and very productive. Brush, long fine quality and well fibred. It is also a great drought resister and easy to thresh. Prices: Lb. 25c; 2 lbs. 45c; postpaid. Not prepaid, 20 lbs. \$2.00. Ask for prices on larger quantities.

Square Brand Peanuts

Increase Your Yield—Inoculate With Nitragin—Build Your Soil

Peanuts are a most profitable crop on light loamy or sandy soil and often produces 50 bushels per acre on soil too poor to plant in corn. In addition to nuts, they ordinarily produce one ton of nutritious forage per acre.

SPANISH—This variety produces a small sweet nut with a better flavor than the larger varieties. Grows more compactly and can be grown closer and easier cultivated than the Virginia Peanuts; also contains a higher per cent of oil than other varieties. No better crop grown for fattening hogs. Prices: Lb. 20c; 2 lbs. 35c; postpaid. Not prepaid, 20 lbs. \$1.75. Ask for prices on larger quantities.

TENNESSEE LONG RED—Does well on black waxy land as well as sandy soil. Larger in size, with greater number of nuts than most varieties grown in the South. A splendid commercial variety and very productive. Prices: Lb. 25c; 2 lbs. 45c; postpaid. Not prepaid, 20 lbs. \$2.25. Ask for prices on larger quantities.

IMPROVED VIRGINIA JUMBO—A standard variety for roasting. Planted almost exclusively by the peanut growers of Virginia. The vines furnish excellent foliage. Grows upright and easily cultivated. Prices: Lb. 30c; 2 lbs. 55c; postpaid. Not prepaid, 20 lbs. \$3.00. Ask for prices on larger quantities.

Barley, Bearded.

Square Brand Austrian Winter Peas

For increased yield inoculate this seed with Nitragin

A remarkable winter legume that is coming rapidly to the front. Resembles the English Pea in size of seed, the Canada Pea in character of vine. Can not be excelled as a winter cover crop, thriving after being subject to zero temperature. Will grow from 5 to 6 feet tall on fertile soil. Makes excellent hay besides furnishing grazing for all live stock. Plant in September or October and plow under in the spring before time to plant the spring crop. Can also be sown in January and February. If planted following a cultivated crop it is not necessary to plow the ground, using a harrow before and after sowing followed by roller on loose soil. Preferable to sow 30 to 40 pounds per acre with a bushel of Rye, Barley or Wheat to hold vines off ground. If planted alone sow 50 to 60 pounds per acre. **Prices: Lb. 25c; 2 lbs. 45c; postpaid. Not prepaid, 20 lbs. \$1.55. Ask for prices on larger quantities.**

Canada Field Peas

For increased yield inoculate this seed with Nitragin

A fine combination legume for grazing, hay, cover crop and table use. Plant in October or November and again in the early spring. Grows from 4 to 6 feet high and can be grazed when 6 to 10 inches high; pasturing makes them stool better. A great soil builder even when grazed or cut for hay, on account of storing nitrogen in the roots. Exceptionally fine when turned under as green manure. We recommend sowing a bushel of Oats, Barley or Wheat with 40 or 50 pounds of peas per acre. If sown alone, use 75 pounds per acre. **Prices: Lb. 25c; 2 lbs. 45c; postpaid. Not prepaid, 20 lbs. \$1.90. Ask for prices on larger quantities.**

Square Brand Hairy Winter Vetch

Inoculate with Nitragin for improved soil and increased yield

The hardest of all Vetches. Gathers nitrogen making it a wonderful soil improver. Highly recommended for grazing and hay. A splendid substitute for Clover on land too poor to grow Clover. Covers the ground during the winter, preventing the leaching of valuable plant foods. Sow in August or September for fall planting using 30 pounds per acre with the same amount of Barley or Oats to support the Vetch. Also desirable for spring planting making good summer pasture. **Prices: lb. 30c; 2 lbs. 55c; postpaid. Not prepaid, 20 lbs. \$2.50. Ask for prices on larger quantities.**

Dwarf Essex Rape.

Inoculate All Legumes With

NITRAGIN

The Original Soil Inoculator.

Not only will you thereby increase the fertility of your soil but you will also increase your crop yield. Alfalfa, all clovers, soy beans, cow peas, vetch and all field and garden peas and beans should be inoculated with Nitragin.

Nitragin is recognized as the best inoculator on the market. The labels are dated and should be used in the year in which they are dated. Cheap inoculators are expensive inoculators because they do not serve the purpose for which they are bought. See page 42 for prices on Nitragin.

Square Brand Hairy Vetch—a splendid cover crop, ideal for soil building and the prevention of erosion.

A field of Square Brand Austrian Winter Peas—the ideal fall cover crop.

Square Brand Dwarf Essex Rape Seed

Here is one crop that too few of us appreciate at its full value and to which we would do well to give more attention, not only as a feed for hogs, but as a source of green feed for all livestock, including chickens—and the family as well. It will astonish anyone who has never planted it to see how much grazing an acre of this plant will give. Rape makes a very acceptable dish of greens, and can be grown as a substitute for turnip greens. Plants grow to a height of from one to four feet, depending on conditions of soil and climate.

In shape and color of leaf it resembles the rutabaga. The leaves grow very rank and succulent, and are sweet and tender. Fall seeding is best, but early spring sowing is successful. The crop is not injured by ordinary winters in the South. It is ready for grazing in from 8 to 10 weeks. Yields of 30 tons per acre, green weight, are not rare. An acre of good rape will pasture 20 hogs for two months. Sow in drills, 5 to 8 pounds per acre. **Prices: Lb. 25c; 2 lbs. 45c; postpaid. Not prepaid, 20 lbs. \$1.75. Ask for prices on larger quantities.**

Square Brand Sunflower Seed

MAMMOTH RUSSIAN—

Produces an enormous head, from 12 to 20 inches in diameter. On light, well drained, well tilled fertile soils yields from 30 to 50 bushels per acre. Plant and cultivate as you would corn. May be planted some earlier, using 8 to 10 pounds per acre. As a poultry food mixed with other grains it has no equal. **Prices: Lb. 25c; 2 lbs. 45c; postpaid. Not prepaid, 10 lbs. \$1.50. Ask for prices on larger quantities.**

Mammoth Russian Sunflower.

Square Brand Alfalfa.

Square Brand Alfalfa Seed

TO INCREASE PRODUCTION AND BUILD YOUR SOIL
INOCULATE ALFALFA SEED WITH NITRAGIN

Alfalfa is the most valuable leguminous permanent crop grown for pasture and hay. Its hardness makes it adaptable for almost any climate and type of soil except acid soil, which should be corrected by the use of lime and ample drainage. Alfalfa enriches the soil. Sow 20 pounds per acre on well prepared clean soil, covering about one inch with harrow, followed by roller. Keep weeds clipped down with mower until alfalfa thoroughly covers ground. The Cahoon or Cyclone seeder is recommended for use in sowing. Be sure to inoculate with Nitragin.

SQUARE BRAND ALFALFA—Carefully selected and double cleaned from the best American Grown seed produced by experienced alfalfa seed growers. Bright in color, high in germination and purity. **Prices: Lb. 35c; 2 lbs. 65c; postpaid. Not prepaid, 20 lbs. \$3.75. Ask for prices in larger quantities.**

HAIRY PERUVIAN ALFALFA—A native of Peru, very popular in the South and Southwest, especially recommended for Texas. May be cut the year round for hay, when winter is mild. **Prices: Lb. 35c; 2 lbs. 65c; postpaid. Not prepaid, 20 lbs. \$3.75. Ask for prices in larger quantities.**

Square Brand Clover Seed

TO INCREASE YOUR YIELD AND BUILD YOUR SOIL
INOCULATE CLOVER SEED WITH NITRAGIN

All varieties of Clover have exceptionally high feeding value, containing protein which is needed to build up muscle and beef and to increase the yield of milk. Clovers are soil renovators, being resistant to most insects and fungus disease, making possible a better system of crop rotation. One of the greatest needs of the South is the use of more legumes to build up and improve the soil. Clover cannot be excelled as a gatherer of plant food and accumulator of nitrogen from the air—often adding 200 pounds of nitrogen per acre in a year. Do not use bur varieties where sheep are to be grazed, since burs reduce grade of wool.

JAPAN or LESPEDEZA CLOVER—Considered the best clover to plant in the South during the spring months; also planted in the fall. Thrives on poor land and is a great soil builder. Sow 20 to 25 pounds per acre on fresh disc or harrowed land, followed by roller. **Prices: Lb. 40c; 2 lbs. 75c; postpaid. Not prepaid, 10 lbs. \$2.75. Ask for prices in larger quantities.**

BLACK MEDIC or TREFOIL (Medicago Lupulina)—A biennial belonging to the Alfalfa and Clover family. Has small yellow blossoms. The plant is similar to alfalfa except that it spreads more and lays flat on the ground. Sow 15 pounds per acre in September and October; also in

February, March and April. When sown with other clovers and grasses, sow 2 to 3 pounds to the acre. **Prices: Lb. 45c; 2 lbs. 85c; postpaid. Not prepaid, 10 lbs. \$3.25. Ask for prices in larger quantities.**

WHITE DUTCH CLOVER—A hardy perennial spreading clover. Too small for hay. Recommended to mix with other grasses for lawn or pasture. Sow 6 to 8 pounds per acre. **Prices: Lb. 65c; 2 lbs. \$1.25; postpaid. Not prepaid, 10 lbs. \$5.00. Ask for prices in larger quantities.**

Bur Clover

Very popular in the South for winter pasture. Popular for sowing in Bermuda grass sod for permanent pasture. Disc over your Bermuda grass and sow in the fall, followed with roller. Also fine to sow with other grasses for permanent pasture. Grows well on any type of soil. Sow in August, September or October.

SOUTHERN SPOTTED LEAF BUR CLOVER (In Bur)—A most popular variety, produces early grazing and lasts longer. **Prices: Lb. 35c; 2 lbs. 65c; postpaid. Not prepaid, 10 lbs. \$1.75. Ask for prices in larger quantities.**

CALIFORNIA GROWN BUR CLOVER (Hulled)—Also a popular variety. If sown alone use 20 pounds per acre. **Prices: Lb. 35c; 2 lbs. 65c; postpaid. Not prepaid, 10 lbs. \$1.75. Ask for prices in larger quantities.**

Square Brand White Blossom Sweet Clover not only produces a wonderful pasture crop, but enriches soil and prevents erosion.

SQUARE BRAND SWEET WHITE BLOSSOM, SCARIFIED—The most popular variety of all clover, being adapted to practically all Texas soils. It is a great sub-soiler, as the roots penetrate deep into the ground breaking up hardpan, and decompose, adding humus to the soil. We recommend planting in September and October; also February to April, at the rate of 15 pounds of clover with 1½ to 2 bushels of oats per acre in well settled soil, covering lightly, following with roller. May be planted alone also. **Prices: Lb. 25c; 2 lbs. 45c; postpaid. Not prepaid, 10 lbs. \$1.25. Ask for prices in larger quantities.**

MELILOTUS INDICA (Annual Yellow Blossom Sweet Clover)—Sometimes called Sour Clover. Used extensively as a cover crop, especially in orchards. Very popular in South Texas where it grows all winter and produces a vast quantity of green manure to be turned under in the early spring. Can be sown in fall or spring, 15 to 20 pounds per acre. **Prices: Lb. 20c; 2 lbs. 35c; postpaid. Not prepaid, 10 lbs. 90c. Ask for prices in larger quantities.**

HOP CLOVER—Sometimes called English Red Suckling Clover—bears a small yellow bloom, of rather upright growth except when the plants are single and there is ample opportunity for spread growth, is then rather spreading. Grows 12 to 15 inches high. Sow in September and October. **Prices: Lb. 40c; 2 lbs. 75c; postpaid. Not prepaid, 10 lbs. \$2.75. Ask for prices in larger quantities.**

KOBE LESPEDEZA—A mammoth late variety also producing well on black land and withstanding heat and dry weather. Matures about the same time as Common Lespedeza but much larger growth. **Prices: Lb. 45c; 2 lbs. 85c; postpaid. Not prepaid, 10 lbs. \$3.00. Ask for prices in larger quantities.**

KOREAN LESPEDEZA—A mammoth early variety, withstanding dry hot weather. Does exceptionally well on black land: is about 30 days earlier than other varieties. Resistant to storm and a heavy seed yielder. **Prices: Lb. 45c; 2 lbs. 85c; postpaid. Not prepaid, 10 lbs. \$3.00. Ask for prices in larger quantities.**

Permanent Pasture Mixtures

During the past year we have made a close study of the grasses and clovers which produce best pasture results for the various locations in Texas. These vary considerably and careful study should be given to your requirements before you buy your seed. The results of numerous conferences with county agents, farmers and stock men are given in the following recommended pasture mixtures:

NORTH AND CENTRAL TEXAS—Bermuda, in North and Central Texas, should be sodd in clumps and since it spreads very rapidly, you will get a good stand quickly. At the same time you sod, or if you already have a Bermuda stand, you should plant our Pasture Mixture for North and Central Texas. This consists of Rye, Dalis and Rescue Grass, Black Medic, Spotted Leaf Bur and Sweet Clover, which should be sown at the rate of 20 to 25 pounds per acre. If sheep are to be pastured order this mixture without Bur Clover, as the burs get in the wool of the sheep, reducing the grade of the wool. **Prices: 5 lbs. \$1.25; 10 lbs. \$2.30; not prepaid. Ask for prices in larger quantities.**

GULF COAST—This pasture mixture consists of Carpet, Rhodes, Rescue, Rye and Dalis Grass, and Lespedeza, White Dutch, Melilotus Indica and California Hulled Bur Clover, to be sown at the rate of 20 pounds to the acre. **Prices: 5 lbs. \$1.85; 10 lbs. \$3.50; not prepaid. Ask for prices in larger quantities.**

Permanent Pasture Mixtures (Continued)

EAST TEXAS SANDY UP-LANDS—In this section, also, it is very desirable to have a Bermuda base and here, again, we recommend that the Bermuda be sowed as a matter of economic efficiency. Our pasture mixture for East Texas Sandy Up-Lands consists of Rescue, Dallis and Rye Grass, and Black Medic, Lespedeza and Spotted Leaf Bur Clover, which should be sown at the rate of 20 to 25 pound per acre. If sheep are to be pastured do not include the bur clover in this mixture. **Prices:** 5 lbs. \$1.35; 10 lbs. \$2.50; not prepaid. Ask for prices in larger quantities.

EAST TEXAS BLACK LANDS—Our pasture mixture for this territory consists of Bermuda, Rescue, Rye and Dallis Grass, and Black Medic, Hop and Sweet Clover, which is to be sown at the rate of 20 to 25 pounds per acre. Where a stand of Bermuda is already had, the mixture may be ordered without the Bermuda Grass Seed. If Ber-

muda has not been started, however, the Bermuda seed in this combination will come up satisfactorily. **Prices:** 5 lbs. \$1.25; 10 lbs. \$2.30; not prepaid. Ask for prices in larger quantities.

EAST TEXAS MOIST LANDS—Our Pasture Mixture for East Texas Moist Lands consists of Dallis, Rescue, Carpet and Red Top Grass, and Lespedeza and White Dutch Clover, which is to be sown at the rate of 20 pounds to the acre. **Prices:** 5 lbs. \$1.50; 10 lbs. \$2.80; not prepaid. Ask for prices in larger quantities.

BOTTOM LANDS IN SOUTHEAST TEXAS—Our pasture mixture for this territory consists of Bermuda, Rye, Dallis and Carpet Grass, and Lespedeza, Hop, White Dutch and Black Medic Clover to be sown at the rate of 20 to 25 pounds to the acre. **Prices:** 5 lbs. \$1.30; 10 lbs. \$2.40; not prepaid. Ask for prices in larger quantities.

Sudan Grass

Is similar in appearance to Johnson Grass, but is an annual, requiring re-seeding every year. Produces well on all kinds of soil. Is drought-resistant but does not blast with excessive rainfall. A dependable hay crop, with splendid feeding value for all kinds of stock. Also good for silage. In semi-arid regions is planted in drills 36 inches apart, using 5 pounds per acre if seed crop only is wanted, and 8 to 10 pounds for hay. With sufficient season will

produce more, and a finer hay if sown broadcast, 30 to 40 pounds per acre. Can get two to three cuttings, depending on length of season and rainfall. Cures easier than sorghum and produces a large tonnage per acre.

SQUARE BRAND SUDAN—Grown from Selected Seed by experienced growers. Double re-cleaned. **Prices:** Lb. 20c; 2 lbs. 35c; postpaid. Not prepaid, 20 lbs. \$1.25. Ask for prices in larger quantities.

Sudan Grass.

Other Grasses

ITALIAN RYE (American Grown)—Recommended as one of the best for winter use. Is easily grown and makes splendid winter grazing for all kinds of stock. Also produces a good early spring hay crop. A perennial, reseeded itself if allowed to go to seed, making it fine to mix with other grasses and clovers for permanent pasture. Also used to sow in Bermuda grass for winter lawns. Sow in September or October, using 20 to 30 pounds per acre, if sown alone. **Prices:** Lb. 25c; 2 lbs. 45c; postpaid. Not prepaid, 10 lbs. \$1.00. Ask for prices in larger quantities.

BERMUDA GRASS—Should be made the basis for permanent pastures in all soils except very light sand. It is permanent on fertile soils and endures long

periods of drouth. The best known grass to prevent washing and erosion in gullies and on hill sides. Flourishes in sunshine but will not endure heavy shade. For pastures sow 10 to 15 pounds per acre on well prepared, firm seed bed, using roller. Should be sown in spring or late summer when it is warm and moist. **Prices:** Lb. 50c; 2 lbs. 90c; postpaid. Not prepaid, 10 lbs. \$3.75. Ask for prices in larger quantities.

JOHNSON GRASS—Is hard to eradicate in the South, continues to grow year after year from the roots, except in climates with zero temperature. Makes the very best quality of hay, withstands drouth and very prolific. **Prices:** Lb. 25c; 2 lbs. 45c; postpaid. Not prepaid, 20 lbs. \$2.00. Ask for prices in larger quantities.

RESCUE GRASS—This grass grows wild in some parts of Texas, makes a fine winter and early spring pasture, dying when hot weather arrives. It reseeds itself and will come up the following fall. Very good in permanent pasture mixtures. Broadcast in September and October, 20 to 25 pounds per acre. **Prices:** Lb. 40c; 2 lbs. 75c; postpaid. Not prepaid, 10 lbs. \$2.75. Ask for prices in larger quantities.

DALLIS GRASS or PASPALUM DILATATUM—A perennial, which grows continually except in freezing weather. Stands heavy grazing especially on moist ground and will gradually choke out Johnson grass and weeds. Especially good for stopping washes and gullies. Can be planted any time except in drouth hot summer. 8 to 10 pounds per acre. **Prices:** Lb. 60c; 2 lbs. \$1.10; postpaid. Not prepaid, 10 lbs. \$4.50. Ask for prices in larger quantities.

CARPET GRASS—A perennial, does well on land lacking in lime. Makes splendid permanent pasture and its creeping habit of growth enables it to stand close grazing without injury. It is not a pest. One plowing will kill it. The Government recommends it more highly than Bermuda grass for coastal plains. Also good for lawns and golf courses. Plant in September and October; also February, March and April, 10 to 15 lbs. per acre. **Prices:** Lb. 35c; 2 lbs. 65c; postpaid. Not prepaid, 10 lbs. \$2.50. Ask for prices in larger quantities.

RED TOP OR HERD'S GRASS—Is recommended for heavy, moist lowlands as it withstands wet weather but also does well on most any good rich soil. Also used in the South on winter golf greens. Sow broadcast 15 to 20 pounds per acre. **Prices:** Lb. 30c; 2 lbs. 55c; postpaid. Not prepaid, 10 lbs. \$1.50. Ask for prices in larger quantities.

MESQUITE or VELVET GRASS—A hardy long-lived perennial with soft broad leaves, never getting coarse. Grows from 8 to 10 inches high. Especially recommended to sow with other grasses or clovers for permanent pasture. Makes the very best quality of hay, but if planted alone does not yield as large tonnage as many other grasses. Sow in September or October; also in March or April, 20 to 25 pounds per acre. **Prices:** Lb. 40c; 2 lbs. 75c; postpaid. Not prepaid, 10 lbs. \$2.75. Ask for prices in larger quantities.

Lawn Grasses

Without a beautiful, velvety carpet you cannot enjoy your yard to the fullest. You want beautiful shrubs—handsome flowers and sturdy trees, of course, but these cannot be enjoyed completely unless they are accompanied by a soft, welcoming, vividly green lawn.

IN MAKING A NEW LAWN, the ground should be well prepared and in a fine state of cultivation. Then give it a dressing of Vigoro Plant Food, at the rate of four pounds per 100 square feet. Sow the grass seed at the rate of about one pound per 250 square feet; then rake the lawn over thoroughly, and roll if possible. Keep it well sprinkled. The lawn should be fed three times each year—in the spring, in the mid-summer, and in the fall—so that you may have a green lawn all year round.

The following lawn grasses are the best on the market. Mixtures have been carefully chosen for this section and we especially recommend our Evergreen Mixture for a year 'round lawn. (See next page)

Lawn Grasses (Continued)

SQUARE BRAND LAWN MIXTURE—This mixture is the result of a close study of grasses suited for lawn-making in the South. We have taken only those that will give you a velvety lawn under the most trying conditions of summer heat and drought. **Prices:** Lb. 60c; 2 lbs. \$1.10; postpaid. Ask for prices in larger quantities.

SQUARE BRAND SHADY MIXTURE—This is a mixture of grasses that thrive in shaded situations under trees, or close to walls where there is very little sun. **Prices:** Lb. 60c; 2 lbs. \$1.10; postpaid. Ask for prices in larger quantities.

SQUARE BRAND EVER GREEN MIXTURE—This mixture is composed of fine-leaved hardy grasses, which will not only stand the heat of summer, but outlive the severest winters. If you sow this mixture you will have a beautiful lawn all year. Do not be afraid of sowing grasses too thickly, as a heavy seeding always means a better sod. We recommend sowing one pound to 250 square feet. **Prices:** Lb. 65c; 2 lbs. \$1.20; postpaid. Ask for prices in larger quantities.

SQUARE BRAND WINTER LAWN MIXTURE—During the month of October, sow this mixture at the rate of one pound to 250

square feet. Before sowing, mow the lawn very close, and if the Bermuda is very thick, give it a top dressing of one inch of loamy soil and Vigoro. Afterwards rake the lawn over thoroughly so as to mix the seed and soil and then keep it well watered, until the grass begins to grow. This grass will die down when the weather gets warm and the Bermuda Grass takes its place. **Prices:** Lb. 35c; 2 lbs. 65c; postpaid. Ask for prices in larger quantities.

SQUARE BRAND FANCY BERMUDA GRASS—The ideal grass for the South for summer lawns. Plant in the spring or late summer, when the weather is warm and moist. If sown before a rainy season, the seed will come up in a short time; but otherwise it germinates slowly. Sow 6 pounds to every 1000 square feet, mixed with dry sand for even distribution. **Prices:** Lb. 50c; 2 lbs. 90c; postpaid. Ask for prices in larger quantities.

KENTUCKY BLUE GRASS—Sow in late summer or early fall in Bermuda lawn, especially in shady spots. Does not do well during the summer in the South. **Prices:** Lb. 35c; 2 lbs. 65c; prepaid. Not prepaid, 10 lbs. \$2.50. Ask for prices in larger quantities.

Japanese Cane.

Cane Seed for Forage

The following varieties are used almost exclusively for forage. To reproduce seed, drill and cultivate planting 3 to 6 pounds per acre. For forage drill, 5 to 10 pounds per acre or broadcast 100 to 150 pounds per acre.

SQUARE BRAND OKLAHOMA RED TOP—Our highest quality. A deep cherry color, grown in Oklahoma from improved seed. A much heavier producer than ordinary red top. **Prices:** Lb. 20c; 2 lbs. 35c; postpaid. Not prepaid, 20 lbs. \$1.00. Ask for prices in larger quantities.

SQUARE BRAND BLACK AMBER—The leading saccharine sorghum for early green feed and silage. Matures early, making excellent hay, green or cured. Early plantings yield two to three cuttings per year. **Prices:** Lb. 20c; 2 lbs. 35c; postpaid. Not prepaid, 20 lbs. \$1.00. Ask for prices in larger quantities.

SQUARE BRAND ORANGE—A later variety than Black Amber. Used principally for forage. Sometimes used for syrup. **Prices:** Lb. 20c; 2 lbs. 35c; postpaid. Not prepaid, 20 lbs. \$1.00. Ask for prices in larger quantities.

Square Brand Black Amber Cane.

Square Brand Non-Saccharine Sorghums

The non-saccharine sorghums are used mostly for grain, but the leaves make good forage and some varieties have sufficient saccharine in the stalk to make excellent forage. They will usually produce good grain when it is too dry for corn.

SQUARE BRAND HEGARI—Grown for us from certified seed. Hegari originated in Africa. It is a semi-dwarf plant producing a large head of creamy-white grain which is hard to shatter. Is fast becoming the most popular sorghum grain as the stalk makes splendid forage in addition to the large yield of grain. A drought resister. Plant 3 to 4 pounds per acre for seed or grain and 5 to 8 pounds per acre for combination grain and forage. **Prices:** Lb. 20c; 2 lbs. 35c; postpaid. Not prepaid, 20 lbs. \$1.25. Ask for prices in larger quantities.

SPUR FETERITA—Has almost displaced common Feterita. Was developed at the Agricultural Experimental Station at Spur, Texas. Makes a shorter, stockier stalk with more leaves than common Feterita, making a better forage crop. Especially adapted to black lands in addition to the Western sorghum grain belt. **Prices:** Lb. 20c; 2 lbs. 35c; postpaid. Not prepaid, 20 lbs. \$1.25. Ask for prices in larger quantities.

Square Brand Saccharine Sorghums

Cane Seed for Syrup

The following varieties used almost exclusively for making syrup but sometimes used for ensilage on account of enormous yields. Should be cut for syrup just before the seed ripens, as there is more saccharine at that stage of growth. Plant 4 to 8 pounds per acre. Cultivate like corn and chop out like cotton, leaving the plants 10 to 12 inches apart.

CROOKNECK RIBBON—An excellent syrup cane. Grows from 10 to 12 feet high. Matures in from 100 to 130 days. Cannot be grown successfully north of Texas. **Prices:** Lb. 25c; 2 lbs. 45c; postpaid. Not prepaid, 20 lbs. \$2.00. Ask for prices in larger quantities.

TEXAS SEEDED RIBBON or STRAIGHTHEAD—This variety very similar to Crookneck, except that it has a straight head. **Prices:** Lb. 25c; 2 lbs. 45c; postpaid. Not prepaid, 20 lbs. \$2.00. Ask for prices in larger quantities.

JAPANESE or HONEY-DRIP—Also a very popular variety and can be grown further North than other varieties. Grows from 11 to 15 feet high. Matures 130 to 140 days. A heavy yielder on account of tall stalk. **Prices:** Lb. 25c; 2 lbs. 45c; postpaid. Not prepaid, 20 lbs. \$1.75. Ask for prices in larger quantities.

GOLDEN ROD—A large stalk but does not grow as tall as the other varieties. Requires longer to mature, often taking 150 days. Especially adapted to the heavier types of soil. **Prices:** Lb. 25c; 2 lbs. 45c; postpaid. Not prepaid, 20 lbs. \$2.00. Ask for prices in larger quantities.

Cheap Seed is Usually Expensive

The per acre cost of good seed, as compared with cheap seed, is so little more that the up-to-date farmer can hardly afford to buy seeds which are not backed with a breeding program.

The seeds we offer come from some of the largest yielding strains on the market today. Buy **SQUARE BRAND SEEDS** and you will get the best seeds.

Square Brand Red Top Cane. Note Uniformity of Heads.

Square Brand Non-Saccharine Sorghums (Continued)

SCHROCK KAFIR or SAGRAIN—Originated in Oklahoma. Dwarf variety with an abundance of long broad leaves and a large spangled head with light brown grain which is excellent stock and poultry feed. One of the best varieties for combination forage and grain, as the stalk is sweet and brittle. It stools out making 6 to 8 stalks from one seed, all stalks making heads. Matures 10 to 14 days earlier than other varieties, therefore popular for late planting on stubble land. Prices: Lb. 20c; 2 lbs. 35c; postpaid. Not prepaid, 20 lbs. \$1.00. Ask for prices in larger quantities.

BLACK HULL WHITE KAFIR—Grows an upright strong stem with broad leaves from 4 to 5 feet high. The stalk makes better forage than any of the non-saccharine sorghums, excepting Hegari and Schrock Kafir. Prices: Lb. 20c; 2 lbs. 35c; postpaid. Not prepaid, 20 lbs. \$1.00. Ask for prices in larger quantities.

SHALLU or EGYPTIAN WHEAT—A variety which does well in almost every part of Texas. Stools out from root similar to Schrock Kafir. Has large spangled head, a heavy yielder of both grain and fodder. Prices: Lb. 20c; 2 lbs. 35c; postpaid. Not prepaid, 20 lbs. \$1.50. Ask for prices in larger quantities.

DARSO—A dwarf variety with large stalk and heavy foliage. Has a uniform straight stalk which is very juicy and contains about 12 per cent saccharine, making it especially good for forage. Also a good grain yielder and excellent for silage. Drought-resistant and somewhat earlier than Kafir. Prices: Lb. 20c; 2 lbs. 35c; postpaid. Not prepaid, 20 lbs. \$1.00. Ask for prices in larger quantities.

GROHOMA—A new variety becoming very popular on account of its heavy yield of grain. It stools out each stalk making a full matured large head from 12 to 14 inches long. The grain is light brown and splendid for all kinds of stock. Requires a little longer to mature than Maize or Kafir, but yields much more grain per acre and does not shatter. Drill 2 to 4 lbs. per acre. Prices: Lb. 25c; 2 lbs. 45c; postpaid. Not prepaid, 20 lbs. \$1.75. Ask for prices in larger quantities.

SQUARE BRAND DWARF YELLOW MILO—The most popular non-saccharine sorghum grown in Texas. It is the principal grain crop in Western and Southwestern Texas, on account of its hardiness and dependability under all kinds of conditions and is now grown in all parts of Texas. A heavy yielder of the finest kind of grain for all kinds of stock and poultry. Prices: Lb. 20c; 2 lbs. 35c; postpaid. Not prepaid, 20 lbs. \$1.00. Ask for prices in larger quantities.

ALGERIA or BISHOP KAFIR—A cross between Maize and Kafir. Grows from 4 to 5 feet tall, each plant stooling out making several stalks. Stock eat entire stalk with relish, on account of the heavy saccharine contents. The seed are softer and larger than Maize, with much larger heads. Drill 4 to 5 pounds per acre and thin as corn, not working too close to roots, until it has had chance to stool. Prices: Lb. 20c; 2 lbs. 35c; postpaid. Not prepaid, 20 lbs. \$1.25. Ask for prices in larger quantities.

Black Hull White Kafir.

SQUARE BRAND DOUBLE DWARF YELLOW MILO—Almost identical with Dwarf Milo except a much smaller, shorter stalk. Matures quicker and will stand more drouth on account of smaller stalks. Prices: Lb. 20c; 2 lbs. 35c; postpaid. Not prepaid, 20 lbs. \$1.25. Ask for prices in larger quantities.

Eezy-Wear Garden Gloves

All-Leather—Dirt-Proof
Soft As Kid—Extra Pliable

Ideal gloves for men and women, made from select imported leather processed to render it amazingly soft and pliable, as well as durable. Permit almost barehand freedom with perfect comfort, yet insure complete protection from dirt, scratches, bruises, stains. Economical—outwear 6 pairs of fabric gloves.

Washable

Sizes for women: "Small," "Medium," "Large." For men: "Medium," and "Large." Price: 75c a pair; 2 pair, \$1.40; postpaid.

Value of Non-Saccharine Sorghums

Every Farmer Should Plant Enough to Raise Feed for His Live Stock.

The past few years have taught the farmers and planters, in this section, the great advantage of sowing non-saccharine sorghums. They are used to good advantage for ensilage and green feed.

Non-Saccharine sorghums have given high yields with limited rain fall, where corn has made a failure. The heads make good chicken feed and can be fed ground or whole, to all classes of live stock. We list those varieties of non-saccharine sorghums best adapted to this section. Be sure to plant enough for your feed needs.

Spur Feterita.

Dwarf Yellow Milo.

Field of Square Brand Darso.

Grohoma.

You Can Have a Beautiful Garden

There are three things under your control which have an important bearing on the success or failure of your lawn or garden. They are good seed, right cultural practices and proper plant feeding.

You'll get good seed if you buy them from us. Follow our cultural instructions and they'll be planted and cultivated right. And they'll be properly nourished if you feed them VIGORO, the Complete Plant Food.

Vigoro is clean and odorless and contains all of the plant food elements plants must get from the soil; and in the right proportion. That's why VIGORO produces such splendid results. Complete directions for use contained in every bag and package.

Delivered Prices

100 lbs. \$4.00; 50-lb. bag \$2.50; 25-lb. bag \$1.50; 10-lb. carton 85c; 5-lb. carton 50c; 500 lbs. and over, \$3.20 per 100 lbs., F. O. B. Dallas.

VIGORO SPREADERS

Built especially for use with Vigoro. Apply Vigoro and grass seed quickly and evenly, assuring smooth, velvety-green lawns.

BABY SPREADER—10-lb. capacity, F. O. B. Dallas. \$ 1.95
JUNIOR SPREADER—20-lb. capacity, F. O. B. Dallas. 6.95
STANDARD SPREADER—65-lb. capacity, F. O. B. Dallas. 12.25

Vigoro Spreader.

**Increases
Yield—
Improves
Soil**

All experiments have proven conclusively that inoculating seed with legume germs not only increases yield for the year such seeds are planted, but vastly increases the fertility of the soil for future crops.

NITRAGIN are legume germs, produced under right conditions, packed to protect the ultimate user. Legume germs are perishable, and are valueless unless used in the year stamped on the NITRAGIN can. Full instructions come on each can for its use. Size indicates amount of seed can will inoculate.

NITRAGIN A—For Alfalfa, all sweet clovers, Hubam and Bur Clover. 1/2 bu. 50c; 1 bu. 90c; 5 bu. \$4.00; postpaid.

NITRAGIN B—For Red, Mammoth Red, Alsike, Crimson and White Clover. 1/2 bu. 50c; 1 bu. 90c; 5 bu. \$4.00; postpaid.

NITRAGIN C—For Field and Garden Peas, Vetches, Broad Beans, Sweet Peas, Perennial Peas and Lentils. 1/2 bu. 40c; 1 bu. 60c; 100 lbs. 90c; 5 bu. \$2.50; postpaid.

NITRAGIN D—For Field and Garden Beans (including navy, kidney and scarlet runner beans). 1/2 bu. 40c; 1 bu. 60c; 100 lbs. 90c; 5 bu. \$2.50; postpaid.

NITRAGIN E—For Cow Peas, Lespedeza, Peanuts, Velvet Beans, Kudzu. 1 bu. 40c; 2 bu. 70c; 5 bu. \$1.50; 10 bu. \$2.50; postpaid.

NITRAGIN S—For Soy Beans (all varieties). 1 bu. 40c; 2 bu. 70c; 5 bu. \$1.50; 10 bu. \$2.50; postpaid.

GARDEN SIZE NITRAGIN—For Peas, Sweet Peas, Beans and Lima Beans. 25c; postpaid.

Be sure to specify kind of seed for which inoculant is wanted, or variety letter.

These Free Pamphlets

SENT ON REQUEST

Tell you how to control disease, increase yields, hasten germination and improve the quality of your stocks with

SEMESAN—For vegetable and flower seeds. Absolutely harmless to seed and plant life, but extremely poisonous to disease and parasitic organisms. Controls damping-off, rots and scabs on roots and hulms, as well as other seed-borne diseases. 1 oz. treats 15 lbs. to 30 lbs. of seed by dust method, or from 40 to 60 lbs. by liquid method. Full instructions with each package. Prices: 2 oz. 50c; 1 lb. \$2.50, delivered to you.

SEMESAN BEL—For Seed Potatoes. One of the most important disinfectants. 1 lb. treats from 60 to 80 bushels of potatoes. Prices: 4 oz. 50c; 1 lb. \$1.75; 5 lbs. \$8.00; delivered to you.

SEMESAN JR.—For Seed Corn. Dust at the rate of 2 ounces to each bushel of seed corn. Protects from rotting in ground and makes possible earlier planting. Prices: 4 oz. 40c; 1 lb. \$1.50; 5 lbs. \$7.00; delivered to you.

CERESAN—For Cotton, Wheat, Oats, Barley, etc. Prevents rotting in cold wet soil; kills surface anthracnose, angular leaf-spot, certain boll-rot. Use 3 oz. per bu. of cotton seed; 2 oz. per bu. of wheat or rye; 3 oz. per bu. of oats or barley. Prices: 1 lb. 75c; 5 lbs. \$3.00; 25 lbs. \$12.50; 100 lbs. \$49.00; delivered to you.

Cyclone Seed Sower

SOWS SEED EVENLY

This seed sower will handle practically every type of seed, and is especially recommended for alfalfa, clover, bermuda and all of the small seeds so generally sown in pastures. Comfortable to carry and operate. Patent double feed makes it superior to all others on the market. Keeps two streams of seed flowing smoothly and steadily on to the distributing wheel. Set according to scale which has been scientifically worked out. Full directions and scale with each machine. Shipping weight 5 lbs. Price, \$1.95; delivered to you.

THE SOWER THAT SCATTERS EVENLY

Sodium Chlorate Weed Killer

Kills weeds and Johnson Grass when applied as the plants are first heading out. Dissolve 100 lbs. of Sodium Chlorate to 100 gallons of water. Will treat one acre of badly infested ground. Wait three weeks to plant—or only two weeks if weather is very dry.

Due to the very considerable fluctuations in chemicals of this nature, when you are ready for a weed killer, write us for quotations.

Superior Pruning Compound

A compound which heals wounds on trees or other plants, where they have been pruned or broken off. Avoids all rot and deformities that so frequently result from pruning. We recommend this especially for orchard work. It was originated in the Rio Grande Valley, and is especially fine for Citrus and other orchard use. Prices, F. O. B. Dallas: Quarts, \$1.00 each; Gallons, \$3.75 each.

Noc-Out Fertilizer Distributor

An inexpensive labor saver. Distributes commercial fertilizer in vegetable and flower gardens, around shrubs, in truck patches, potato furrows, etc. Convenient for sowing lawn seed on small areas, or for dusting insecticides. An oscillating knocker sets up vigorous vibrations when operated by short to-and-fro or small circle movements, resulting in steady, uniform flow through feed regulator. Made of good material. Capacity 14 quarts. Shipping weight 2 lbs. Price: \$1.10; postpaid.

Compressed Air Sprayers

CLIMAX—Offers all the essentials of a High Pressure Compressed Air sprayer at a minimum cost. Made of high quality material throughout. Adapted for all classes of work. Handles whitewash, cold water paints, insecticides, fungicides, etc., very efficiently. Tank $7\frac{1}{4}$ inches diameter, 20 inches high. Capacity approximately 4 gallons. Pump $1\frac{1}{4}$ inches in diameter, 14 inches long, 5-ply special spray hose with brass nozzle and curved brass extension.

Packed one in a heavy fiber carton. Shipping weight approximately 10 pounds. F. O. B. Dallas price, \$3.75.

THRIFTY SPRAYER—For the small home owner, whose work does not justify a large capacity outfit. Capacity approximately 2 gallons. Tank $6\frac{1}{2}$ inches in diameter; 15 inches high. Pump $1\frac{1}{4}$ inches in diameter; 12 inches long. Packed one in a carton. Shipping weight approximately $7\frac{1}{2}$ pounds. F. O. B. Dallas price, \$3.45 each.

Bucket Pumps

No. 5—A high pressure bucket pump acknowledged to be the most powerful sprayer of its type. Especially recommended for orchard, vineyard or shrub spraying. Generates a pressure of over 200 pounds, with very little effort on the part of the operator. A splendid sprayer for fire-fighting. One of these pumps should be available on every farm. Shipping weight, 3½ pounds. Price delivered to you, \$3.75 each.

No. 6—A powerful bucket pump. Handle and foot rest of malleable iron. Pump of genuine brass throughout. Gives continuous even spray. Shipping weight, 6 pounds. Prepaid price, \$3.45 each.

No. 7—A pump handle bucket pump of exceptionally durable construction. Equipped with air jet agitator. All pump parts and air chamber of solid brass. This pump is not equalled on the market. Shipping weight, 10 pounds. Price delivered to you, \$4.95 each.

No. 30
Wheelbarrow.

Wheelbarrow Sprayer

We have only a few of these left in stock and when they are sold we will not have any more to offer at the exceptionally low price quoted.

This pump is built almost entirely of brass; vacuum cup agitator insures complete agitation. 12-gallon galvanized tank with a heavy truck frame and wheel. 6-foot hose; 2-foot iron extension. This is one of the biggest bargains ever offered. Shipping weight, 50 pounds. Special F. O. B. Dallas price, \$10.95.

Crank Duster

No. 604—Capacity 5 to 10 pounds.

Will handle any powder, either light or heavy, for one or two row work. Equipment can be arranged to dust plants from any angle desired.

Shipping weight is 19 pounds. Price F. O. B. Dallas, \$12.75 each.

Major Duster

Hand type. Powder reservoir 5 in. long, $2\frac{3}{4}$ in. in diameter. Special strainer prevents clogging. Comes complete with two 12-in. extensions and

two tips, as illustrated. Shipping weight, 2 pounds. No. 665—Major Duster; F. O. B. Dallas, 95c each. No. 665-A—Major Duster (equipped with 12-inch flexible hose for Cyanogas use), F. O. B. Dallas, \$1.00 each.

Hand Sprayer

G-2—This attractive little sprayer is highly desirable for home use. It holds approximately one-half pint of liquid in its extremely easily cleaned container. Ideal for fly sprays, small garden work, etc. Shipping weight, 2 lbs. F. O. B. Dallas, each 15c.

Continuous Hand Sprayers

26-A—A continuous hand sprayer which will care for all kinds of insecticides and disinfectants. Made of a good grade of tin. Note information on illustration. 1 quart capacity. Shipping weight, 2 pounds. F. O. B. Dallas, 35c each.

26-C—The same kind of sprayer as the 26-A but with a brass container instead of tin. It is, of course, much more lasting than the tin. Shipping weight, 2 pounds. F. O. B. Dallas, \$1.25 each.

26-AG—Another of the 26-A type of continuous hand sprayer with an easily cleanable glass container. This sprayer has proven to be very popular. Shipping weight, 3 pounds. Price F. O. B. Dallas, \$1.00 each.

Sunshine Sprayer

No. 37-S—Sunshine Sprayer. Ideal for orchard and green house use. Reserve air pressure insures high

pressure for uniform discharge at all times. 12½-gallon tank with air pressure tank and gauge. 16-in. wheel; 5-ft. spray hose; 2-ft. pipe extension. Shipping weight, 60 pounds. F. O. B. Dallas, \$22.50 each.

No. 36-S Sunshine Sprayer—Like 37-S but without pressure tank. Shipping weight, 46 pounds. F. O. B. Dallas, \$12.95 each.

No. 31 Ensign—Like 36-S Sunshine but lighter construction throughout. Shipping weight, 40 pounds. F. O. B. Dallas, \$9.75 each.

At Last—Relief from Chiggers!!

A repellent that keeps them off—harmless to the most delicate skin. If you are susceptible to Chigger bites, you'll welcome this new freedom from their stings. No more welts—no more infections and no more danger of fevers. CHIGGER CHASER, a harmless, sweet-scented powder, dusted over your entire body positively repels chiggers and they will not bite.

Chigger Chaser

In sifter top can. Prices, postpaid: 2 oz. 25c; 5 oz. 50c.

Chigger Choke

A powder for application to your lawn, kills every chigger on the lawn, when properly applied. Price, F. O. B. Dallas, 5 lbs. (enough for an ordinary 50 ft. city lot), \$1.25; 100 lbs. \$15.00. This is a poison and cannot be mailed.

\$1,000.00 Roach Killer

A positive guaranty of \$1,000.00 protects the use of this powder as an exterminator of roaches and water bugs. The manufacturers have not been called upon to pay this guaranty at any time, and the powder has been on the market for more than fifteen years. Roaches, water bugs and black beetles like and eat this powder. It is odorless and clean.

Price, postpaid,
3-oz. package...35c

Whiz THE MOST POWERFUL HOUSEHOLD FLY SPRAY

Positively stainless. May be used to kill ordinary household flies, mosquitoes, roaches, moths—in fact practically any of the regular irritating household pests—also one of the standard sprays for dairies. It has a clean, agreeable odor and may be used anywhere. Many homes spray it on their mohair and velvet furniture, heavy rugs, etc., to avoid moth trouble.

Prices Delivered:

Spray and Sprayers

No. 2 Outfit—Can with small, convenient sprayer for ready use.....60c
No. 3 Outfit—Can with larger sprayer of more durable construction.....95c

Spray Only

	Each
1/2 Pint Can.....	30c
1 Pint Can.....	60c
1 Quart Can.....	1.00
1 Gallon Can.....	2.50
5 Gallon Can.....	10.00
60 Gallon Drum.....	90.00

EVER GREEN

KILLS ANTS AND GARDEN INSECTS

A Powerful, Non-Poisonous Insecticide

The consistent use of EVER GREEN in your garden will protect you from insects. It is advisable to spray all during the growing season. Prize winners in the horticultural displays use a new method now—they start using EVER GREEN as soon as the plants are out of the ground, and continue until frost.

Chewing insects, such as beetles and caterpillars, eat the leaves or fruit of plants. Sucking insects, such as aphids (plant lice), thrips and leaf hoppers do not eat the leaves or fruit but suck the juices from them, causing them to wither and die.

EVER GREEN kills both types, making it the ideal all-purpose insecticide. Also, EVER GREEN is non-injurious to the most tender plants. Frequent applications will not harm them. EVER GREEN does not harm the soil. It is most pleasant to apply, and, being non-poisonous, is safe for you to keep in the home, and to use on edibles like fruit and vegetables.

Postpaid Prices:

1 oz. 35c; 6 oz. \$1.00; 16 oz. \$2.00; 32 oz. \$3.50; 1 gallon \$11.50.

KILL INSECTS with EVERGREEN

Peach Borers

Should Be Killed With Paradichlorbenzene

A government-recommended control of the peach borer. Clean gum away from the tree trunk and clean ground around the base of the tree. Encircle the tree, two inches away from the trunk, with one ounce of Paradichlorbenzene and cover with fine earth. Pack down firmly. Cannot be mailed because it is a poison. Prices, F. O. B. Dallas: Lb. 75c; 5 lbs. \$3.25.

Oil Emulsion

Another government-recommended control for the spraying of orchards and shrubbery. It controls camphor scale, San Jose scale, white fly, purple scale, mealy bugs and other scale insects; also plant-lice and red spider. Prices: Quart 35c; 1/2 gal. 65c; gal. \$1.00; 5 gal. \$4.50; 55-gal. drum, 55c per gal., F. O. B. Dallas.

Tree Tanglefoot

STOPS ALL CLIMBING INSECTS!

This is a sticky material for applying in bands around the trunks of trees and vines to combat the clinging and creeping type of destructive insect pests. It remains effective three to four months, outlasting ten to twenty times any other material. Easily applied with a wooden paddle. One pound makes fifteen or more lineal feet of bands. Expands with growth of plants.

1 lb. can, F. O. B. Dallas... 60c
5 lb. can, F. O. B. Dallas... \$2.75

No Need To Be Troubled With Ants, Cut Worms, Snails, Grasshoppers and Sow Bugs, When You Can Get Antrol, and Snarol

Antrol

Kills sweet loving, or grease loving ants IN THE NEST, at the source. It is safe to use around children or pets because there is no exposed poison. It is poured into a patented water, dirt and rust-proof glass container which keeps the syrup at the highest efficiency. It is easy to use—adapted to any size home or garden, and absolutely guaranteed to do the job, providing it is used according to directions and for the extermination of the small sweet and grease loving ants.

NOTE THESE NEW LOW PRICES:

Antrol set, with four containers and 4 oz. bottle of syrup.....\$.75
Antrol Cottage Set, with nine containers and 1/2 pt. bottle of syrup... 1.35
Antrol containers only......10
Antrol Syrup, 4 oz. bottles......35
Antrol Syrup, pints......85
Antrol Syrup, quarts.....1.25
Prices are F.O.B. Dallas. (Cannot be mailed.)

Antrol Ant Powder

Some people prefer an Ant Powder and for these we can assure them they will be pleased with the result of Antrol Ant Powder. It is a fast-killing powder, packed in an attractive shaker twist top can. A good temporary relief.

Antrol Ant Powder, 2 oz. 20c each, F. O. B. Dallas

Snarol

A prepared bait meal for cutworms, snails, slugs, sowbugs, grasshoppers, earwigs and other garden pests. It is sprinkled around plants and shrubs where the pests eat it in preference to natural food and are quickly killed.

It is harmless to vegetation, safe to use, requires no mixing or preparation and is most economical because it lasts longer. It is not affected by rain or sprinkling. En-

dorsed by nurserymen, agricultural colleges and state institutions throughout the United States. (Cannot be mailed.)

1 lb. packages, F. O. B. Dallas.....\$.35
3 lb. packages, F. O. B. Dallas......75
15 lb. packages, F. O. B. Dallas..... 3.00

RAT-SCENT

Rat-Scent

THE LAST WORD IN RAT POISONING

RAT-SCENT is a poisoned grain—and grain is the natural food of a rat. When a rat approaches Rat-Scent, he smells it for the scent of the human body, but instead he smells a scent that has the same effect on him that fish has upon a cat. He tastes the bait and finds it better than it smells and he eats it greedily. It takes some little time for the blended poison to absorb into the blood stream, but after it does absorb, the rat has an uneasy feeling of suffocation and walks away from the bait, every

step getting faster, running for fresh air until he drops. Other rats eating with him do not suspect that he is poisoned and therefore they keep on eating until they likewise experience the sense of suffocation.

Rat-Scent outwits the very keen sense of self-preservation possessed by every rat and therefore is an ideal exterminator. It is harmless to chickens; dogs and cats are not attracted to it because it is a whole grain, and it is extremely simple to use. Prices, F. O. B. Dallas—35c and 50c.

Write For Our Complete Spraying Guides

YOU CAN FREE YOUR GARDENS AND FLOWERS OF ALL INSECT PESTS—PROVIDING YOU USE THE PROPER METHODS

ACME ALL ROUND SPRAY—For flowers, vines, shrubs, roses, vegetables. All Round Spray contains the three leading remedies used by all large growers. Arsenate of lead, Nicotine Sulphate and Bordeaux Mixture. (Cannot be mailed.) Prices: F. O. B. Dallas: 1/4 lb. 35c; 1 lb. 85c.

ARSENATE OF LEAD—Most favored arsenical insecticide. Safe to use on tender foliage and sticks well on the leaves. Recommended for fruit trees, vegetables, bushes and tobacco. Can be used as dust or spray. (Not mailable.) Prices: 1/2 lb. 25c; 1 lb. 35c; 4 lbs. 95c; F. O. B. Dallas.

BLACK LEAF 40—A highly concentrated nicotine solution for spraying. Does not injure foliage and is unquestionably one of the most effective poisons on the market against aphids, thrips, leaf-hoppers and many other insects. Used and endorsed by experiment stations and leading growers. (Cannot be mailed.) Prices: Oz. 35c; 5 ozs. \$1.00; 1 lb. \$2.10; 2 lbs. \$3.10; 5 lbs. \$5.85; 10 lbs. \$10.15; F. O. B. Dallas.

BORDEAUX MIXTURE—Prevents large losses caused by blight, rot, mildew, scab, anthracnose and certain other fungous disease. It stimulates plant growth and greatly increases harvests. (Cannot be mailed.) Prices: F. O. B. Dallas, 1 lb. 35c; 4 lbs. 95c.

CALCIUM ARSENATE—Cheapest Arsenical insecticide on the market but efficient for certain purposes. Accepted as best for boll weevil poisoning on cotton, also recommended to combat chewing insects on potatoes, vegetables, cotton and certain fruit trees. (Not mailable.) Prices: F. O. B. Dallas, 1 lb. 20c; 4 lbs. 50c.

GARDEN GUARD—An insecticide and fungicide for use as a dust. Use on practically all forms of vegetables. Sifter carton. (Cannot be mailed.) Prices: Lb. 25c; 5 lbs. 75c; F. O. B. Dallas.

DRY LIME AND SULPHUR—Lime and sulphur converted into a dry powder. For use in dormant spraying against scale, peach-blight, leaf-blight, leaf-curl and twig borer. Summer spray against scab, soot, blotch, red spider and mite. (Cannot be mailed.) Prices: Lb. 35c; 5 lbs. \$1.50; 10 lbs. \$2.50; F. O. B. Dallas.

PARIS GREEN—A powerful poison carrying sure death to insects of the eating type. (Cannot be mailed.) Prices: 1/4 lb. 15c; 1 lb. 55c; F. O. B. Dallas.

SPRAY SOAP—Ideal for use with insecticides needing a spreader, and also used as a wash preventing spread of scale. Prices: Lb. 35c; 5 lbs. \$1.50; F. O. B. Dallas.

TWO WAY SPRAY—A combination of Arsenate of Lead and Bordeaux Mixture. Two results with one application. (Not mailable.) Prices: F. O. B. Dallas, 1/2 lb. 25c; 1 lb. 45c; 4 lbs. \$1.15.

Derrisol A SAFE GARDEN SPRAY

Destroys insects on flowers, fruits, vegetables and shrubs. Safe to use on delicate plants; non-poisonous to humans and animals; odorless in solution. Requires no soap or spreader. Kills a greater number of the important garden insects, including aphids, red spiders, thrips, leaf hoppers, cabbage worms, many leaf chewers and beetles. Recommended by Experimental Stations.

	PRICES	Postpaid
1-oz. bottle (Makes 6 gals.)		\$.35
1/2-lb. bottle (Makes 50 gals.)		1.25
1-lb. can (Makes 100 gals.)		2.25

St. Andreasberg Roller.

Canaries—Song Birds of the Nation

No bird has more charm than the canary. Its bright cheery song endears it to its owner beyond any other pet known. Our birds are bred for us by some of the very best bird breeders in this country and in Germany.

OUR GUARANTY—We guarantee live delivery of every bird ordered from us. We further guarantee our birds to be exactly what they are represented to be.

St. Andreasberg Rollers

These birds are imported from the best breeders in the St. Andreasberg region of Germany. They are trained for their purity in tone, their range of notes and their volume of song. The birds are graded before being shipped to us and gradings are confirmed by us before delivery is made to you. Birds are not graded by color. Color preference should be stated in ordering, however. They can be had in pure yellow, spotted, or dark birds but it will be necessary for us to reserve the right if correct tonal grading is not available in color specified. Prices F. O. B. Dallas:

SINGERS	
Grade No. 1.....	\$7.50
Grade No. 2.....	6.50
Grade No. 3.....	5.95

HENS	
Grade No. 1.....	\$3.00
Grade No. 2.....	2.75

American Warbler and Hartz Mountain Singers

These birds are native American birds whose song is the chopper or natural bird song. The American Warbler has the loudest tone. The Hartz Mountain a softer tone. Prices, F. O. B. Dallas:

SINGERS	
Grade No. 1.....	\$3.95
Grade No. 2.....	2.95
Grade No. 3.....	2.45
HENS	
Grade No. 1.....	\$1.50
Grade No. 2.....	1.25
Grade No. 3.....	1.00

Breeding Cage

Has solid and wire partition, metal drawer, closed back, 4 glass cups, 6 perches and two nests. These are splendid mating cages which are also used for flight cages by removing the partition. Enameled white.

No.	Dimensions	Shipping Weight	F.O.B. Dallas
86	19x10x14 3/4	12 lbs.	\$5.45
87	22x11x16 1/4	14 lbs.	5.95

Breeding Cage.

Green Enameled Breeding Cage

This is a single breeding cage, 13 1/2 x 8 1/2 x 12 1/4 in. size. It is fully equipped with cups, nest and perches. A bargain at \$3.25 F. O. B. Dallas.

Cage Supplies

Bracket.

	Each	Doz.
Egg Food Cup.....	\$.05	\$.30
Opal Glass Bath Tubs.....	.15	1.50
Green Glass Bath Tubs.....	.15	1.50
Blue Glass Bath Tubs.....	.15	1.50
Wall Brackets, nickel, 12-in., Style Q.....	.15	1.50
Wall Brackets, brass, 12-in., Style I.....	.15	1.50
Cage Springs, medium.....	.10	1.00
Cage Springs, small.....	.10	1.00
Brass Chains and Springs.....	.15	1.50

Breeding Cage Cups. Prices: 25c ea.; 2 for 50c; doz. \$3.00

Feed Cups. Opal, Open or closed top. Prices: 15c ea.; 2 for 25c; doz. \$1.50

Crystal, Open or closed top. Prices: 15c ea.; 2 for 25c; doz. \$1.50

Green Glass, Closed top. Prices: 15c ea.; 2 for 25c; doz. \$1.50

Bird Nests. Prices: 15c ea.; 2 for 25c; doz. \$1.50

	Each	Doz.
Nesting Hair.....	\$.10	\$1.00
Parrot Books.....	.35	
Parquet (Love Bird) Books.....	.50	
Leg Bands, aluminum (open or closed).....	.20	
Leg Bands, colored.....	.20	
Cage Swings.....	.10	1.00
Perch Stock (can be cut to fit).....	.15	
Tassel for Cage.....	.15	

Open Cup.

Egg Food Cup

Spring.

Closed Cup.

Parrot Cage.

Parrot Cages

Strong and durable. These cages are the very best on the market today. Complete with swing, perches and seed cups.

No.	Diam.	Height	Ship'g Wt.	F.O.B. Dallas
75	13 in.	21 1/2 in.	10 lbs.	\$5.95
80	14 in.	23 in.	12 lbs.	6.95
85	15 1/2 in.	24 in.	14 lbs.	7.95

Cage and Stand Specials

Any combination desired can be worked out from the data given below. We especially recommend the combinations as illustrated. Colors: Black, Blue, Green, Red and Brass. Also two-tone combinations in Red and Brass; Blue and Brass, and Green and Brass. Name second choice of color when ordering.

Cages

No.	Diameter	Height	Shipping Wt.	Price
275	11 in.	15 1/4 in.	9 lbs.	\$1.50
276	11 1/4 in.	17 1/4 in.	10 lbs.	1.85
2274	10 1/4 in.	15 1/2 in.	8 lbs.	1.40
2275	11 in.	15 3/4 in.	9 lbs.	1.75
2276	11 1/4 in.	17 3/4 in.	10 lbs.	1.95
10	11 in.	16 1/4 in.	9 lbs.	1.45

Stands

	Shipping Wt.	Each
Half Loop Stand.....	12 lbs.	\$1.25
Full Loop Stand.....	15 lbs.	1.50
No. 11 Stand.....	10 lbs.	1.50

No. 275 Cage. Full Loop Stand.

No. 10 Cage. No. 11 Stand. No. 2274 Cage—Half Loop Stand.

Bird Remedies

BIRD AND ANIMAL SALVE—Gives immediate relief and cures sores quickly. Per jar 25c; F. O. B. Dallas.

DIARRHEA RELIEF—A few drops on sugar in cage relieves in a few days' time. Per bottle 25c; F. O. B. Dallas.

LIQUID BIRD BITTERS—For colds, shedding of feathers out of season and loss of voice. Full directions for treatment come with tonic. Comes with dropper top. Per bottle 25c; F. O. B. Dallas.

LICE POWDER—In bel-lows box. This is indispensable to every bird owner. Never let lice trouble your birds. Per box 15c; F. O. B. Dallas.

PARROT TONIC—For colds, shedding of feathers, and a general conditioner. Every parrot owner should have some of this tonic for emergencies. Per bottle 25c; F. O. B. Dallas.

Bitters.

ALL OF THE PRICES ON THIS PAGE ARE F. O. B. DALLAS

Crested
Cardinal.

Strawberry Finches

These busy little birds are exceptionally interested in their habits. They have a short little song which is very pleasing. The male is brilliantly colored. The female is more demure. While small in size, they build huge nests. You will find them fascinating.

Per pair \$4.75
Each 2.50

Love Birds

These birds have a charm all their own. They like to live in pairs, but will live alone, provided their owner will give them

much attention. Learn numerous little tricks, and repay attention given them.

Beautiful, Deep Blue Birds, per pair \$5.95
Handsome Green Birds, per pair... 4.45
Soft Yellow Birds, per pair 4.95

Bird Seeds

MAGNOLIA CANARY MIXTURE—A mixture of Sicily Canary, German Rape, millet and hemp, in proper proportions for health. 2 lbs. 35c; 7 lbs. \$1.00; postpaid.

MAGNOLIA ROLLER MIXTURE—A mixture of Sicily Canary, German Rape and Millet, designed for best song production. 2 lbs. 35c; 7 lbs. \$1.00; postpaid.

MAGNOLIA LOVE BIRD MIXTURE—A mixture of Sicily Canary and millet, balance for Love Birds. 2 lbs. 35c; 7 lbs. \$1.00; postpaid.

MAGNOLIA FINCH MIXTURE—Consisting of millet, canary and thistle for strawberry finches and goldfinches. In ordering, be sure to state type of finch for which food is wished. 2 lbs. 45c; 5 lbs. \$1.00; postpaid.

SICILY CANARY SEED—A splendid diet for reconditioning a canary which is not responding to usual treatment. Feed for a month with only a tonic of apple twice a week. 2 lbs. 35c; 7 lbs. \$1.00; postpaid.

HEMP—Good parrot food and also much liked by bee paroquets and cardinals. Should be fed to canaries in very limited quantities as it is too rich a food for them. 2 lbs. 35c; 8 lbs. \$1.00; postpaid.

Crested Cardinals

One of the handsomest of birds, and a whistler of rare ability. Of all the songsters, this is unquestionably the most pleasing. Each.....\$7.50

Prices F. O. B. Dallas.

MAW or POPPY SEED—Another popular seed with canaries and some of the finch family. Lb. 45c; postpaid.

MILLET—Frequently used as the principal food for strawberry finches. 2 lbs. 35c; 7 lbs. \$1.00; postpaid.

GERMAN RAPE—A song food which should be combined with Sicily Canary and other seeds. 2 lbs. 45c; 5 lbs. \$1.00; postpaid.

RECLEANED SUNFLOWER SEED—Fine for parrots—in fact, their main food. 2 lbs. 35c; 8 lbs. \$1.00; postpaid.

THISTLE SEED—The principal food for goldfinches, and liked by canaries, strawberry finches and practically all hard-billed birds. Lb. 60c; postpaid.

Our bulk seeds are the finest the market affords, double re-cleaned in order to remove all foreign particles and dusts. All postpaid.

Other Seeds and Foods

MAGIC SONG RESTORER—A mixture that birds like and which brings them into song quickly. It also keeps them in song, hastens moult and is a general health food of much value. We recommend an egg food cup of this daily or every other day in addition to the regular food. Per box 30c; 4 boxes \$1.00; doz. \$2.50; F. O. B. Dallas.

CUTTLE BONE—Should be in every canary, finch, hard-billed bird's cage. With holder, small size, 5c; with holder, large size, 10c; F. O. B. Dallas.

CHARCOAL—A purifier for the system. Box 10c; F. O. B. Dallas.

COLOR FOOD—Canary color food, which should be fed during the moulting period. Makes a beautiful, deep yellow feather coloring. Each 25c; F. O. B. Dallas.

EGG BREAD—A good food for the young and also for feeding during early moult. Each 25c; F. O. B. Dallas.

FRUIT AND HONEY BALLS—A pleasing addition to the regular diet and splendid for song. Each 10c; 12 for \$1.00; F. O. B. Dallas.

GOLDEN SPRAY GRAVEL—A fine sand, for use in bottom of cage. Comes in convenient spout can for easy pouring. Each 10c; F. O. B. Dallas.

BIRD NIP—A health food which all birds enjoy immensely. Hangs from the top of the cage. Each 10c; doz. \$1.00; F. O. B. Dallas.

MIRACLE SONG RESTORER—A health and song food of recognized superiority. This mixture is recommended for all birds out of condition, or song. It speeds up the moult, makes your bird happy, and is an ideal song food. Per box 20c; 4 boxes 75c; F. O. B. Dallas.

HEALTH BELLS—A mixture of seeds for health and song, with a brass, ringing bell attached to the seed bell. An ideal novelty for the bird. Each 10c; doz. \$1.00; F. O. B. Dallas.

MAGNESIAN GRIT—Keeps your bird in perfect health and song. It should be in the bottom of the cage of every canary. It aids digestion, containing lime and magnesia, two elements necessary to the health of all animal life. It also contains flaked charcoal, which purifies the system and acts as a tonic. Be sure to keep Magnesian Grit in the bottom of your bird's cage. Comes in convenient spout top can ready for use. Each 15c; F. O. B. Dallas.

BIRD MANNA—A song food which has been a favorite for a long time. Similar to Fruit and Honey, Bird Nip and Health Bells. Each 15c; 2 for 25c; F. O. B. Dallas.

SPECIAL MATING FOOD—The ideal food to increase the vitality of your breeding stock; the fertility of their eggs and strength of their young. Should be fed all during the mating and nestling period. Large box 35c; F. O. B. Dallas.

MOCKING BIRD FOOD—Just the thing for mocking birds, who require a varied diet. Large box, each 35c; F. O. B. Dallas.

MOULTING FOOD—Brings the bird through the moulting period quickly and restores song at the same time. Each 25c; F. O. B. Dallas.

COD LIVER OIL NESTLING FOOD—A splendid food for the young, combined with cod liver oil and all other foods needed for bone and vitality building. Each 25c; F. O. B. Dallas.

WEST'S BEST BRAND BIRD SEED—A good canary mixture that pleases the birds. Spout top can. Each 25c; F. O. B. Dallas.

PAROQUET SEED—A balanced mixture for Love Birds. Per box 25c; F. O. B. Dallas.

Fruit and Honey.

Bird Nip.

Health Bell.

Poultry Knowledge Requires Information On Individual Fowls

THESE BANDS, PUNCHES, ETC., ENABLE YOU TO COMPILE ACCURATE INDIVIDUAL RECORDS

The Newest Leg Band

KWIK-ON Aluminum Leg Band

These bands are made of aluminum in six colors: red, green, blue, orange, yellow and black. They are light in weight, extremely easy to put on and very durable.

These bands are tough—not brittle—and with any reasonable care they will last indefinitely and they will not come off. They are packed 100 of one color in a box.

DELIVERED PRICES

Size	25	50	100	500	1000
8	.20	.30	.50	\$2.20	\$3.80
9	.20	.30	.55	2.30	4.00
10	.25	.35	.60	2.30	4.00
11	.25	.35	.65	2.50	4.50
12	.25	.40	.75	3.00	5.50

Colored Leg Bands

Made of celluloid, in fast colors. Keep their shape. Light in weight and very durable. Quickly put on or removed. Put up regularly 50 bands of a size and color in a bundle. Colors: White, black, red, green, blue and yellow. **Postpaid prices.**

No.	For	Size	25	50	100	500	1000
4	Baby Chicks	1/4 in.	.15	.25	.35	\$1.45	\$2.50
5	Pigeons	5/16 in.	.15	.25	.35	1.50	2.75
6	Growing Chicks	3/8 in.	.20	.30	.50	2.00	3.50
8	Leghorns and Anconas	1/2 in.	.20	.30	.55	2.20	3.80
9	Large Leghorns	9/16 in.	.20	.30	.55	2.30	4.00
10	Small American	5/8 in.	.25	.35	.60	2.30	4.00
12	Asiatic Hens	3/4 in.	.25	.40	.75	3.00	5.50
14	Turkey Hens	7/8 in.	.30	.55	1.00	4.50	8.50
16	Turkey Toms	1 in.	.40	.75	1.40	5.50	10.00

Bandettes

Made in 4 colors: Blue, red, yellow, green. Three sizes: No. 4 for baby chicks, No. 9 for Leghorns, and No. 11 for Rocks, Reds, etc.

Sold only in unbroken sets of 25 in one color; 1-25, 26-50, and so on. Numbers to 200 in yellow and green; 600 in red and blue. Special orders above those numbers.

POSTPAID PRICES:

No.	25	50	100	500	1000
4	.40	.70	\$1.25	\$5.35	\$10.00
9	.60	1.00	1.80	8.50	16.50
11	.60	1.00	1.80	8.50	16.50

Trap Nest Fronts

No. 63 Trap Nest Front

No. F59

No. F-59—(12 in box.) To be attached to an ordinary wood box, or any other kind of nest. Opening, 8x10 1/2 inches. Front is 12 1/2 x 15 1/2 over all. Plenty of ventilation. Shipping weight, 20 lbs. dozen. **Each, F. O. B. Dallas.**.....35c

No. 63—Easily fitted to any orange or ordinary wood box or coop and gives the breeder the opportunity to use a size nest best adaptable to his birds, with uniform automatic trap feature. Effectively traps the hen, yet allows ample ventilation. Easy to remove hen or clean the nest. 11 inches wide by 12 inches high. Size of opening, 8 inches by 9 inches. Packed 12 in box. Weight, per dozen, 16 lbs. **Each, F. O. B. Dallas.**.....50c

Poultry Punches

No. 38—PETTY'S—A popular and practical punch for marking baby chicks. Punches a clean hole and will not bruise foot. Shipping weight, 3 ounces. **Each, postpaid.**.....15c

No. 39—IDEAL PUNCH—Improved scissors type. Works easily, cuts clean and does not pinch foot. Length, 3 1/2 inches. Shipping weight, 3 ounces. **Each, postpaid.**.....35c

Aluminum Leg Bands

No. 130

MOE'S

POSTPAID PRICES

LEG BAND

Made of sheet aluminum with large raised numbers, easy to read from a distance. Adjustable for any size fowl. Numbered 1 to 4,999, as wanted. Come 100 to box in numbers above 100. Do not break boxes.

12 bands	\$.15	100 bands	\$.60
25 bands	25	500 bands	 2.50
50 bands	35	1000 bands	 4.50

Wing Bands

Double End Clinch Band

	25	50	100	1000
Sealed Wing Bands	\$.35	\$.65	\$ 1.25	\$ 9.50
Double End Clinch (Numbered or unnumbered)	20	35	65	 5.00

(See page — for Numbering Machine.)

Reliable Show Bands

Made of aluminum with celluloid plates. Adjustable. Same colors as Victor. Numbered 1 to 100. **Postpaid.**

Box of 12	\$.25
Box of 25	50
Box of 50	95
Box of 100	 1.75

Victor Show Bands

Made of aluminum with celluloid number plates, adjustable to fit any size leg. 4 colors: Red, blue, green, yellow. Numbered 1 to 200. **Postpaid prices.**

Boxes of 12	\$.40	Boxes of 50	\$ 1.45
Boxes of 25	75	Boxes of 100	 2.75

Pigeon Bands

Double numbers on colors; come 25 to the bunch. **Per 25 pair, postpaid.**.....75c

All Metal Nests (With or Without Traps)

15-M Nest.

Metal nests aid you to get rid of lice and mite infestations. No more parasites to plague and irritate your hens. Our nests are built of galvanized, rust-resisting copper steel. Clean nests and clean eggs. Solid metal bottoms which can be lifted out and taken outside for cleaning and scalding. Incline top prevents chickens from roosting above. Perches can be swung up against face of nest section after night feeding to prevent hens from roosting either on the perches or in nest.

Nests are fitted for locking style trap, which can be purchased with nests or later. Nests should be provided in proportion of five hens to every nest. All nests have 8 1/2-inch hole and are 13 1/2 inches wide.

No.	Sections	Length	Height	Weight	F. O. B. Factory
6M	— 6	36 1/2 in.	32 in.	41 lbs.	\$ 7.05
10M	— 10	61 in.	32 in.	65 lbs.	10.05
15M	— 15	61 in.	45 in.	83 lbs.	14.55
Traps for above, self-locking, to fit nest				2 lbs.	.45

Incubator and Brooder Supplies

Chimneyless Lamp Burner

A "No-Chimney" burner for incubators, brooders, fountain heaters, etc. Perfect combustion without chimney. 12 in. box. Each

- No. 1—Wick, $\frac{5}{8}$ in. Weight, dozen, 2 lbs. .50
 No. 2—Wick, $\frac{7}{8}$ in. Weight, dozen, 4 lbs. .65
 No. 3—Wick, 1 $\frac{1}{2}$ in. Weight, dozen, 5 lbs. 1.00
 F. O. B. Dallas.

Chimneyless
Lamp Burner.

"Sun" Hinged
Lamp Burner.

"Sun" Hinged Lamp Burners

For incubators and brooders. So designed that perfect combustion is insured. Easily cleaned and trimmed. Packed 12 in box. Each

- Size 1—Wick, $\frac{5}{8}$ in. Weight, dozen, 3 lbs. .35
 Size 2—Wick, $\frac{7}{8}$ in. Weight, dozen, 4 lbs. .45
 Size 3—Wick, 1 $\frac{1}{2}$ in. Weight, dozen, 5 lbs. .60
 Size 3—Double Wick, 1 $\frac{1}{2}$ in. Weight, dozen, 5 lbs.: F. O. B. Dallas. .75

Lamp Bowls

Heavy galvanized iron bowls. No give or spring to top, a common fault with ordinary bowls. Each

- No. 100—Size 1 burner, 1 $\frac{1}{2}$ x 6 in. .55
 No. 101—Size 2 burner, 2 $\frac{1}{4}$ x 6 $\frac{3}{4}$ in. .65
 No. 102—Size 3 burner, 2 $\frac{3}{4}$ x 8 in. .80
 F. O. B. Dallas.

Patterson & Young Moisture Guide

This moisture guide solves the moisture problem with smaller incubators.

The holder is fastened to the egg tray and the guide is filled with water to the top line. The graduated scale shows how much moisture should evaporate from the egg each day. If evaporation is too fast, moisture should be added; if too slow, more air should be given. Full directions come with each guide. Attachments are included for all turning trays. Every owner of a small incubator should have this moisture guide. Each, postpaid. . \$1.00
 Tubes for Moisture Guide, postpaid. .65c

Patterson and Young Moisture Guide.

Incubator, Brooder and Room Thermometer

No. 5776—Genuine Tycos Incubator Thermometer. Black graduations on white scale make this thermometer easy to read. Scale ranges from 90 to 110 Fahrenheit. Packed one to the box. Complete with a metal stand as shown. Each, postpaid, 75c; per dozen, \$8.50.

No. T-5792—S A Tycos Brooder Thermometer for insertion through hole in canopy type brooder. The bulb is in the actual brooder temperature and the scale outside for easy reading. Thermometer well protected against breakage. Each, postpaid, 65c; per dozen, \$7.20.

No. T-5794—S A Brooder and Home Thermometer to be hung under the canopy. A white enameled surface with black figures. Temperature range 25 to 135. Each, postpaid, 55c; per dozen, \$6.00.

No. 5794.

No. 5776.

No. 5792.

Metal Lamp Chimney

Made of sheet steel with round mica window. Mica easily replaced if it should be accidentally broken. Made in three sizes to fit Nos. 1, 2 and 3 burners. Each, F. O. B. Dallas. .25c

Metal Lamp
Chimney.

Red Felt Lamp Wicks

Lamp Wicks.

High grade felt wicks. A big improvement over loosely-woven cotton wicks. No loose threads to burn uneven and smoke. Packed 1 dozen in a bundle. F. O. B. Dallas—Each Per Doz.
 No. 1—Width, $\frac{5}{8}$ in. for burner No. 1. .03 \$.25
 No. 2—Width, $\frac{7}{8}$ in. for burner No. 2. .05 .45
 No. 3—Width, 1 $\frac{1}{2}$ in. for burner No. 3. .05 .55

Lamps---Complete

No. 1—With sun-hinged burner and chimney. . \$1.20
 With chimneyless burner. . 1.05
 No. 2—With sun-hinged burner and chimney. . 1.50
 With chimneyless burner. . 1.30
 No. 3—With sun-hinged burner and chimney. . 1.80
 With chimneyless burner. . 1.80
 All Prices F. O. B. Dallas.

Humidiguide

The new Tycos Humidiguide has replaced practically all types of hygrometers for use in cabinet type incubators. It is a scientific and ingenious device which determines exact humidity. Unlike other hygrometers its humidity tables are a part of the instrument itself, readily available without the necessity for looking up data which has been misplaced. Much simpler to handle than upright type of reservoir. Manufacturers guarantee its accuracy for purpose intended. Especially desirable for use in brooder rooms where control of humidity is absolutely essential.

Tycos Humidiguide—Each . . . \$6.00
 Extra Wicks—Dozen . . . 1.00
 Extra Reservoir—Each55

Prices
F. O. B.
Dallas.

Hygrometer.

Humidiguide.

Special Hatchery Hygrometer

A splendid and scientific device for determining moisture in an incubator. Has metal moisture-proof back. A most practical instrument for determining moisture content of large area, such as the Mammoth incubator. The manufacturers guarantee its absorbent accuracy for the purpose intended. Each, postpaid. . . . \$6.00
 Extra Wicks, per dozen. . . 1.00
 Extra Reservoir, postpaid. . . .55

Double-Unit Wafer Thermostats

Made of special tempered brass, vacuum-filled, sensitive, accurate and durable. For use on either brooders or incubators. Show type desired per following data:

- 3-in. Screw Post—10-32 in. threaded button.
 3-inch Regular—5-16-in. plain button one side, cup post other side.
 3-inch C. B.—5-16-in. plain button one side, opposite side smooth.
 4-inch Screw Post—10-32-in. threaded button. 4-inch Screw Post—1-in. threaded button. 4-inch Plain Post— $\frac{1}{4}$ x 1-in. plain button.
 5-inch Plain Post—Heavy cup post.

The above are carried in Dallas stock but we can furnish any other type desired. Just send in your old wafer for replacement and we will replace it at prices shown.

Each Dozen
 3-inch Wafers—Postpaid . . . \$.45 \$5.00
 4-inch Wafers—Postpaid60 6.50
 5-inch Wafers—Postpaid75 8.00

Magnolia Ker-O-Stat Brooder

REMAINS THE ONLY SUCCESSFUL AUTOMATIC BLUE FLAME BROODER

The $\frac{3}{8}$ -inch oil pipe line is a solid, one-piece brazed unit, including the reservoir, connecting pipe and burner bowl. A drain plug at one end, and a two-way feed into the burner bowl, gives safety from clogging. All Ker-O-Stat parts are enclosed and protected by a solid welded unit of heavy sheet steel, finished in a high gloss enamel.

Oil Reservoir	\$1.25	Band for Reservoir.....	.30
Bail for Reservoir.....	.30	Lighting Rings for above (be	
Pilot Wicks, each.....	.15	sure to state size wanted)	.15
Oil Valve for Reservoir...	.40	Prices F. O. B. Dallas.	

The Magnolia Ker-O-Stat Automatic Oil Brooder maintains its supremacy as the greatest brooder value on the market. The automatic pilot light and the full thermostatic control afford completely automatic operation, without danger of the flame going out. On warm days, there is no heat generation; but the pilot light, of improved construction, stands guard to relight the burner the moment outside temperatures drop.

The Ker-O-Stat stove is of the most advanced type—no wick, no gas and no fumes. The burner is completely guarded by a heavy steel shell and by a closely-woven heavy wire screen and deflecting pan, which prevents the heat from striking the canopy ring. Below the burner is a deflecting pan, which keeps heat from reaching the floor or litter. The burner will last indefinitely, and the special long inner tube gives it an unusual flame range. High quality wire-woven asbestos lighting rings make it possible to light the Kero-O-Stat without the necessity of dangerous gasoline priming.

The patented thermostatic control is affected only by temperatures, and operates by automatically raising and lowering the entire burner in the constant oil level established in the reservoir.

There are no complicated needle valves, no floats, no sliding joints. A new type mounting of the thermostat bracket arm permits closer fitting of the regulator assembly. It is simple, positive and sturdy—and is completely armored by a heavy steel shell. The convenient tip back bracket enables you to stand the canopy up out of the way.

Canopy Size	Burner Size	Chick Capacity	Shipping Weight	Heater Only	Canopy Only	Complete
35-inch	3 $\frac{1}{2}$ -inch	200	36 lbs.	\$ 9.25	\$3.25	\$11.50
45-inch	3 $\frac{1}{2}$ -inch	300	47 lbs.	9.50	4.25	13.25
55-inch	5- inch	500	53 lbs.	10.95	4.90	14.95

Magnolia Simplicity Brooders

A MARVELOUS VALUE AT THE PRICE

The construction, appearance, reliability and ease of operation make the Simplicity Oil Brooder an outstanding value among the Blue Flame Brooders.

The flame control is simple, sturdy, and cannot wear out. It automatically maintains the flame at the point desired, without valves, floats or sliding joints. The $\frac{3}{8}$ -inch oil pipe line, with a cleanout plug at the end, is brazed from one end to the other to make it positively and permanently leak-proof.

The Simplicity burner, originally developed especially for brooder use, is equipped with a finer, two-piece burner shell. The wire weave lighting ring eliminates the bother and danger of gasoline priming. The "never-out" pilot light permits brooder to be turned off during warm days, and started again at night, without relighting. A heat deflecting shield is secured below the burner to protect the floor, and a die drawn steel body, finished in enduring and lustrous enamel encloses and protects all parts.

Lighting Rings (be sure to state size wanted), each....	\$.15
Pilot Wicks, each.....	.15
Oil Reservoir	1.25
Bail for Reservoir	.30
Oil Valve for Reservoir.....	.40
Band for Reservoir.....	.30

Canopy Size	Burner Size	Chick Capacity	Shipping Weight	Heater Only	Canopy Only	Complete
35-inch	3 $\frac{1}{2}$ -inch	200	31 lbs.	\$6.75	\$3.25	\$ 9.00
45-inch	3 $\frac{1}{2}$ -inch	300	40 lbs.	6.75	4.25	10.25
55-inch	5- inch	500	49 lbs.	7.75	4.75	11.75

Prices, F. O. B. Dallas.

Putnam Brooder Heaters

BURNS 10 DAYS WITHOUT ATTENTION

The Putnam Brooder Heater is one of the most popular and satisfactory small brooder heaters on the market. The home-made brooder shown may be built from a few cents' worth of material by any boy and no tools are required except saw and hammer. Plans for building this brooder are packed with every brooder heater. The brooder accommodates from 35 to 60 chicks. Burns oil.

Price, delivered to you.....	\$4.75
Wicks for Putnam Brooder Heater, each .05; dozen.....	.40
Wicks and holders, each.....	.20
House Plans for Putnam Brooders.....	1.00

Magnolia Standard Oil-O-Stat Brooder

The Magnolia Standard Oil-O-Stat offers maximum protection for brooding your chicks. It is so simple in operation and so well controlled that it meets the need of all users. Heavy metal (20 and 22 gauge) is used in the stove. A heat deflecting pan is provided under the stove, absolutely preventing overheated floors. No sand ring is used or needed. Sixty inches of flexible copper tubing is furnished for use between the valve and the fuel tank, permitting installation of brooder with tank almost anywhere inside or out. A filter, placed in tank outlet, excludes all dirt from pipe line.

EASY CLEAN BURNER

The carbon nuisance has been mastered. Just a turn of the "EASY CLEAN" handle does it! No doors to open or lift off.

TWIN BLAST BURNER

THE TWIN BLAST BURNER has greater heating capacity than is ever required, even on coldest nights, yet it can burn so low that it holds scarcely more than a pilot flame. Its extraordinary capacity results from its construction which forces twin columns of super-heated air over both the inside and outside of the flame ring. Lighted without priming, it produces an intense blue white and pale yellow flame.

AUTOMATIC CONTROL THERMOSTATIC VALVE

The Automatic Control Thermostatic Valve used on Oil-O-Stat we believe to be the most reliable and highly perfected in use on an brooder. It is constructed entirely of brass screw machine parts and die castings, and incorporates a sediment trap and glass enclosed positive sight drip feed. The brass working parts are ground to close limits ($\frac{1}{2}$ -1000 inch) and assembled as a complete unit before installation in the valve body. They can be easily removed as a unit for cleaning, if necessary. Adjustment of the valve is as simple as turning a screw. It cannot stick or bind, allow too heavy a flow of oil, or cut the oil below a minimum for safe operation.

LONG FLAME TRAVEL

Exclusive baffle plates make flames travel three times around drum. This greatly increases heating efficiency, lowers fuel cost, and insures even temperatures all around the heater.

The Oil-O-Stat comes complete with galvanized pipe cut and fitted, 8-gallon tank with screen, and automatic valve. No smoke pipe furnished. **Chick Shipping Price**

	Chicken Capacity	Live- Weight	Price Each
Magnolia Standard—Without Canopy		80 lbs.	\$22.85
Magnolia Standard—With 56-in. Canopy . 600		100 lbs.	25.85
Magnolia Standard—With 65-in. Canopy . 1000		105 lbs.	27.85
Magnolia Senior		118 lbs.	31.50

F. O. B. Dallas.

The Anniversary Oil-O-Stat

This new model is an outstanding leader in Drum type brooders. While it is lighter in construction than the Standard Oil-O-Stat, yet it will outperform and outlast any drum type brooder on the market other than the Standard Oil-O-Stat, and it costs far less than others. It has the Easy Clean burner, that has overcome the carbon nuisance. Just a turn of the "Easy Clean" handle does it. No doors to open or lift off.

The Base Heat Deflector prevents over-heated floors and eliminates inefficient sand rings and screens. The Automatic Draft Adjuster compensates for changing winds, and the big husky 18-inch heating drum will handle easily any reasonable brooding requirement economically, because it is well baffled.

It comes complete with 9-gallon tank with filter; 4 ft. of copper tubing to valve, finest automatic valve; and overflow pipe. Only smoke pipe needed to install.

Anniversary Oil-O-Stat Specifications: Canopy size, 55 inches; actual chick capacity, 500; shipping weight, 68 lbs.

Price, F. O. B. Dallas, only.....	\$19.95
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A leader, not alone in quality—but in price. Check this brooder, point by point, and you will find UNEXCELLED VALUE.

The large, oversized barrels give increased radiating surface, and improved appearance. Lower damper, offset in cage, prevents possibility of ashes dropping on floor. New hexagonal canopy, of greater strength, with ring of heavy drawn steel, can be turned to any position. Big hinged door is provided in one section. The large Coal Door on top permits coaling direct from the scuttle. Shaker and Thermostat adjustment are easily accessible, through the revolving canopy.

The exclusive and unusual damper action makes the Standard remarkably dependable in operation. When the stove is forced, the lower damper is wide open to admit air under grates, while the upper check damper is closed. The check damper consists of two dampers cast together, operating as a unit. When the Automatic Control brings the check damper into operation, it works in two ways. The inner check damper rises into the flue opening and obstructs the draft, while the outer check damper opens to admit a checking flow of air above the fire and directly into the flue. This unusual design produces a positive checking action.

	Chick Capacity	Coal Capacity	Shipping Weight	Price Each
56-in. Standard . .	600	50 lbs.	103 lbs.	\$16.95
65-in. Standard . .	800	60 lbs.	112 lbs.	19.25

F. O. B. Dallas.

Magnolia Standard Coal Brooder.

Battery and Display Brooders

In offering our line of Battery Brooders, we unhesitatingly state that it is the most attractive line on the market today and has been worked out from an engineering standpoint to handle poultry practically and profitably.

The factory has prepared information which is the most complete on battery brooding that we have seen. This is called "Book of the Battery", and a copy is available to you upon request. Just write for it today.

Insulated Starting Brooder

This brooder combines battery features and convenience with an individual heat system of electricity or oil. It is a battery suited to cool rooms where the operator may not find it convenient to maintain high, even temperatures; however, it is necessary to have some additional heat in the room, at least around 50 degrees. Because of the Masonite Insulated Brooding Compartment, this battery is ideal for use for display purposes. The thorough insulation insures a minimum of heat waste, resulting in considerable economy. It has a 10½-inch headroom so that it may be used to hold chicks for 6 weeks or even longer. Feed pans are large, of proper design, and may be raised as the chicks grow. There is ample ventilation.

While this brooder is essentially a Starting Brooder it is often used along with the Intermediate and Finishing Battery or with a Finishing Battery alone. We especially recommend this to the man who wants only one or two batteries for general utility work. It raises chicks rapidly and at low cost. Floors are of ½-inch mesh.

The brooder is shipped for easy assembly. May be set up in 30 minutes to one hour. All parts are securely welded and bolted.

The illustration shows clearly all details of this fine brooder. Following is an explanation of the key numbers:

1. The genuine Masonite insulated sides and back.
2. The tumbler type shut-off switches.
3. The four-inch feed opening with smooth rolled edges.
4. Big, non-roosting, easy-on, feed pans.
5. Angle iron corner posts of frame.
6. Swinging fronts which adjust water trough.
7. Finest heavy gauge screen floor. Smoothest, most sanitary, most enduring.
8. Convenient two-piece dropping pan.

Chicks may be removed through the swinging front, and through a hand hole provided at the back in the brooding compartment. Their removal is made easy by a false back attached to the screen floors so that as the floor is pulled out the chicks come out with it to within easy reach. The escape of chicks is impossible if proper adjustments are made, as the feed holes may be closed entirely.

The electric equipment is the finest. Each compartment has automatic control and a 150-watt heating element. Consumption is extremely low, only 1½ K. W. for four sections and 2½ K. W. for six sections (per 24 hours) in room averaging 60 degrees.

The oil-heated type operates by admitting heated air into the compartments through thermostatically controlled intakes. No gas or fumes can enter. Design of the heater manifold has been very carefully perfected so that each compartment receives its share of heat. Our illustration proves the simplicity and ruggedness of the assembly. It is easily regulated, both as regards the height of flame and the individual compartment temperature. Uses our Blue Flame Wickless Burner and special control built for this work.

Battery is built in 4, 5 and 6 compartments. 4 and 6 compartments are stocked in Dallas. 5 compartment must be shipped direct from factory. Inside dimensions of each compartment of battery 26x24 inches and insulated space 26x14 inches. Note these low prices:

Catalog Number	Size	Brooding Space	Day-Old Chick Capacity	Type of Heat	Shipping Weight	F.O.B. Dallas Price
P-2-54-E	4 Comp.	4368 sq. inch	480	Electric	243 lbs.	\$63.50
P-3-85	5 Comp.	5460 sq. inch	600	Electric	295 lbs.	79.50
P-2-66-E	6 Comp.	6552 sq. inch	720	Electric	340 lbs.	85.00
P-2-54	4 Comp.	4368 sq. inch	480	Oil	302 lbs.	63.50
P-3-65	5 Comp.	5460 sq. inch	600	Oil	325 lbs.	79.50
P-2-66	6 Comp.	6552 sq. inch	720	Oil	410 lbs.	85.00

Finishing Battery

AN EXCEPTIONAL VALUE

Receives started chicks and carries them to broiler weight. Adapted to the requirements of larger fowls. The limit on the youth of the chicks is the one-inch mesh floor. We find chicks 5 weeks old quite comfortable on it.

Note the heavy angle iron frame; swinging doors at front and side for easy access. Inside dimensions are 28x42 inches. Overall height, 75 inches. Has big non-wasting feeders and water pans. Full 14 inches headroom, insuring comfort and increasing capacity. 4 sections hold very comfortably approximately ninety 2-pound broilers. Weight 185 lbs.

ing doors at front and side for easy access. Inside dimensions are 28x42 inches. Overall height, 75 inches. Has big non-wasting feeders and water pans. Full 14 inches headroom, insuring comfort and increasing capacity. 4 sections hold very comfortably approximately ninety 2-pound broilers. Weight 185 lbs.

Finishing Battery.

No. P3-44—4-section FINISHING BATTERY. F. O. B. Dallas.....\$39.75

Unheated Starting or Intermediate Battery

This brooder is designed to brood chicks from the day-old stage to six weeks of age. It is to be used for brooding chicks only in a heated room since it has no heating facilities of its own.

Your attention is directed to the heavy construction of all of our batteries. They are all alike in these respects: easy to assemble; one piece welded sides; angle iron frames; outside feeders and two-piece dropping pans. We cannot favor a battery without a good substantial frame. A good frame often saves the smaller, lighter parts from twisting and straining and probable damage.

As shown by our illustration, all feeders are on the outside, as they should be, can be elevated as the chicks grow, and are readily accessible to the chick trough. The slides which control the feed hole openings are fully adjustable for the smallest chicks.

For greater convenience and dispatch in handling and cleaning, dropping pans are in two halves. These come out together but come apart as the first half lifts out. These small pans, only 26 inches x 21 inches, are easy to scrape and do not buckle and lose their shape as larger pans will do, no matter how braced.

All feeders are of carefully developed design, and are mounted on a special holder which prevents feed from working down between the feeder and the battery. They are instantly detachable without releasing hooks or other common means of support. All feeders, besides being of the best non-wasting design, are equipped with an additional device that practically eliminates all feed waste. With these feeders so equipped it is not necessary to restrict filling to only one-half or two-thirds of capacity.

All of our batteries, with the exception of the laying battery, have the same size floor area, 26 inches wide by 46 inches long, a total of 1,092 square inches.

The back of the brooder is fastened to the screen floor and brings the chicks forward into easy reach. Both back and floor assembly can be easily removed for cleaning. The swinging screen front locks into the end flutes of the water pan to adjust drinking space. It swings wide open to remove or care for the chicks. Chicks cannot get under this front or out at the side, yet at all times this battery displays the chicks strikingly. This battery is made in 5 sections only.

P3-75—INTERMEDIATE BATTERY, shipping wt. 200 lbs. **F.O.B. Dallas.** \$59.50

Intermediate Battery.

Laying Battery

At the time this catalog goes to press, there is not sufficient information available to give complete specifications and data on our batteries. A separate folder is being prepared, however, which will

give complete details and prices on all capacities and we urge that you write for this folder, if you are interested in Laying Batteries.

12-Hen Battery.

The Modern Laying Battery is the result of experiments made since 1924 and continued progressively since that time, under the supervision of D. C. Kennard of the Ohio Agricultural Experiment Station. Of 16 layers started at the first test, only two died during the first three years and one lived seven years, so that it is evident that hens take kindly to what might seem an unnaturally close confinement, providing proper care and food are given them.

One hundred feet of floor space devoted to Laying Batteries will handle as many hens as 200 feet under the old method. Automatic culling is an in-built feature. It is impossible not to discover the non-producers. Sick fowls are observed promptly and naturally there is greater opportunity to avoid total loss. There is less hazard of disease, worms, vermin and predatory birds and animals: in fact there is little hazard from any of these agencies of misfortune.

Reduced feed cost is assured and should not exceed 10 pounds annually. Labor is reduced when our self-cleaning belts are installed.

LAYING BATTERIES

	Weight	F.O.B. Factory Each
12-Hen Commuter Model.....	100 lbs.	\$ 21.00
36-Hen Apartment	315 lbs.	63.00
72-Hen Apartment	600 lbs.	121.00
144-Hen Apartment	1200 lbs.	235.00

Quality eggs are required to secure top prices. Battery-laid eggs roll gently forward into egg receivers at the front and when proper breeding and feeding are observed eggs are uniformly high-grade.

Our Battery is complete with feeders, waterers, egg receivers, dropping pans, etc. In comparison with other methods, you will find it usually costs 25 per cent less to equip with our Laying Batteries.

Compartments are 18 inches long by 17½ inches high by 12 inches wide. Every 12-hen unit is 24 inches wide, 39 inches deep and 67 inches high. Actual floor space required is approximately one-half square foot per hen.

The batteries are constructed to give many years of service. Commuter model illustrated is equipped with galvanized steel dropping pans and water troughs. 36-hen or larger units are offered with running water system and sanitary paper belts optional.

These will be carried in Dallas stock later, but at the present time are offered from factory stock, at the following low prices:

1932 COMPARATIVE VALUE OF EGGS TO OTHER FARM PRODUCTS

- A case of eggs is equal in value to 1 average acre of Corn.
- A case of eggs is equal in value to 1¼ average acres of Wheat.
- A case of eggs is equal in value to 1½ average acres of Oats.
- A case of eggs is equal in value to 4½ average acre of Cotton.
- A case of eggs is equal in value to 225 pounds of Pork.
- A case of eggs is equal in value to 138 pounds of Beef.

Gro-Mor Brooders

This little brooder is fine for a small lot of chicks, or may be used in a heated room in considerable numbers.

Made of fiber board, with wire screen floor; durable and waterproof. Equipped with feed and water pans. The box is removable and can be replaced at nominal cost. Inside dimensions are 20 inches by 24 inches by 7 1/2 inches high, giving ample head room for chicks three to four weeks old.

The illustration shows all details of construction, excepting the optional electrical equipment which consists of ten feet of cord, porcelain socket terminal plug, and circulating drum to enclose the bulb. Bulbs not furnished.

	Shipping Weight	Price
GRO-MOR ELECTRIC BROODER	9 lbs.	\$2.50
GRO-MOR BROODER (not electric)	8 lbs.	1.90
SPECIAL HEAT BULBS	Postpaid, each .75; Doz. 8.50

Silver Hen Electric.

This brooder will care for 80 day old chicks, but the quantity placed in the brooder should be reduced regularly, as the chicks grow.

A rack for six units is available at moderate cost and makes up a reasonably satisfactory battery brooder. Inside dimensions, 24x30 inches.

Electrical equipment for 110 volt current includes thermostatic control and strip element, 10 feet cord and plug. Bulb type comes with 10 feet of cord and plug, but without bulb. Lamp heated equipment is slightly different in construction, being adjustable as to head size, and is thermostatically controlled.

No.	Type	Shipping Weight	F.O.B. Dallas Price
C2-1330—	STRIP ELEMENT ELECTRIC	26 lbs.	\$ 9.95
C2-1335—	BULB HEATED ELECTRIC	25 lbs.	7.75
C2-1430—	OIL HEATED	28 lbs.	\$ 9.95
C2-16 —	RACK FOR 6 SILVER HENS	43 lbs.	12.25
	VIOLET HEAT BULBS FOR BROODER		Postpaid, Each 75c; Dozen 8.50

Back View—Oil Heated Silver Hen.

Junior Electric or Oil Heated Brooders

For small flocks this type of brooder is economical and practical. We illustrate the electric type, but it comes also in oil heated equipment.

For general use a 25-watt bulb provides ample heat, and with outside air touching freezing, a 40-watt bulb will maintain brooding temperatures. A galvanized steel drum encloses the bulb or oil lamp, preventing glare and producing steady circulation of the air throughout the brooder. The shell, canopy, is drawn of the best "Tite-Coat" Galvanized Steel, insulated with highly finished Masonite, which withstands long and hard use. The heavy, hemmed curtain is slit for chick convenience, and may be easily removed for cleaning. Packed complete with 10 feet of cord and screw plug, in strong shipping carton. The bulb is not furnished.

Size	Chick Capacity	Shipping Weight	F.O.B. Dallas Price Each
22-INCH JUNIOR ELECTRIC BROODER	60	8 lbs.	\$3.25
25-WATT BULB, Postpaid			.75
22-INCH JUNIOR OIL HEATED	60	10 lbs.	2.95

Junior Electric.

Magnolia Gas Brooders

The Magnolia Gas Brooder is built for use in those localities where natural or artificial gas is available to the poultryman. For 1933 this brooder is provided with the embossed hexagonal canopy, firmly supported on legs. The Automatic Valve construction has been held to close limits, and every precaution taken by our engineers to insure perfect operation. The burner and its installation are especially designed for use with either natural or artificial gas, and give perfect combustion with either one.

Size	Chick Capacity	Shipping Weight	Price Each
29-in. Gas Brooder Automatic	150	22 lbs.	\$ 8.40
45-in. Gas Brooder Automatic	250	25 lbs.	10.75
55-in. Gas Brooder Automatic	500	32 lbs.	11.85
Automatic Gas Valve only		2 lbs.	3.50

Prices, F. O. B. Dallas.

Feeders---Lowest Prices Ever Known

Lincoln Reel Type Feeders

GALVANIZED STEEL BABY CHICK FEEDER—With two-blade galvanized reel. Its welded reel adjustable to two positions. This is a good low priced feeder.
No. 41—24-inch, F. O. B. Dallas price...30c
No. 42—46-inch, F. O. B. Dallas price...50c

Dixie Feeders

Have turned-in flange to prevent waste of feed. Width of trough, 3 in.

No.	Length	To Carton	Shipping Weight	Each
460	18 in.	12	10 lbs.	\$0.25
462	30 in.	12	16 lbs.	.35

Prices F. O. B. Dallas

Magnolia Wooden Reel Chick Troughs

The Magnolia Wooden Reel Chick Trough is extremely practical and a most unusual value. The trough is large in size and capacity, having a width of 3 3/4 inches, and a depth of 2 1/4 inches. Instead of the usual wire guard, it is provided with a nicely stained, wooden roller guard, which may be instantly removed for easy filling. Has non-wasting flange along edge, and is so designed as to keep the chicks out.

24 in. (24 to the carton). Shipping weight, 1 1/2 lbs. Price each, F. O. B. Dallas...30c

36 in. (12 to carton). Shipping weight, 2 1/2 lbs. Price each, F. O. B. Dallas...40c

Magazine Feeder

Adjustable up and down to feed slowly or rapidly, for any kind of milk or feed. Capacity, about 2 quarts. Has 12 feeder holes. Shipping weight, 3 pounds.

No. 18—Galvanized Steel Feeder, each...\$.35

No. 139—Charcoal Tin Buttermilk Feeder, each... .45

F. O. B. Dallas

Peerless Feeders

For Growing Fowls

No. 192 — Diameter of base, 12 in.; 30 feeder holes; diameter of magazine, 9 1/2 in. Total height, 12 in. Capacity, 10 quarts. Shipping wt. each, 6 lbs. Price F. O. B. Dallas...\$1.25

No. 193 — Diameter of base, 12 in.; 30 feeder holes; diameter of magazine, 9 1/2 in. Total height, 18 in. Capacity, 18 quarts. Shipping wt. each, 7 lbs. Price F. O. B. Dallas...\$1.60

Eclipse Feeding Troughs

GALVANIZED

No.	Length	No. of Holes	Shipping Weight	F.O.B. Dallas Each
27	10 in.	10	2 lbs.	\$.20
28	20 in.	20	3 lbs.	.30

CHARCOAL TIN

137	10 in.	10	2 lbs.	.28
138	20 in.	20	3 lbs.	.40

Double Feeding Troughs

For chicks and growing stock. Easy to fill and clean.

No.	Length	No. of Holes	Shipping Weight	F.O.B. Dallas Each
58	12 in.	18	2 lbs.	\$.30
59	18 in.	25	3 lbs.	.40
60	24 in.	36	4 lbs.	.55

Large Capacity Feeders

No. 140—Feeder capacity, 10 quarts; length, 21 inches; width, 8 1/2 inches; height, 7 inches. 16 openings on each side, so that 32 chicks can feed at one time. Shipping weight 5 lbs. Each, F. O. B. Dallas...\$1.05

No. 141—Feeder capacity, 17 quarts; length, 35 inches; width, 8 1/2 inches; height, 7 inches. 27 openings on each side, so that 54 chicks can feed at one time. Packed one in carton. Shipping weight, 8 lbs. Each, F. O. B. Dallas...\$1.50

Big Boy Feeders

For growing stock, three to four-week-old chicks, and up to full-grown mature fowls. Makes an excellent feeder for turkeys. Holds about 75 lbs. or 65 qts. of dry mash, with 17 openings on each side, or a total of 34 openings. Length 33 inches, width 16 1/2 inches, height 14 inches. One in a carton.

No. 160—Moe's Big Boy Feeder, with sliding cover. Shipping weight 16 lbs. Price each, F. O. B. Dallas...\$3.60

No. 161—Same feeder with rain covers. F. O. B. Dallas...\$3.95

Round Chick Feeders

GALVANIZED

No.	Holes	Lbs.	Ea.
G 8	8	2	10c
G 12	12	3	18c

CHARCOAL TIN

T 8	8	2	12c
T 12	12	3	25c

Intermediate Feeders

This feeder is intended for growing fowls and full grown birds. Made of galvanized steel or charcoal tin, with slotted hinged covers, easy to fill and clean. Feeder holes are exactly the right size and shape to give easy access to the feed and prevent waste.

Length of feeder, 32 inches; width, 8 inches; depth of pan, 3 1/2 inches; total height, 7 inches; capacity, 12 quarts of feed. 34 feeder holes, 17 on each side. Packed 6 in a carton. Shipping weight (six), 27 lbs. No. 154—Galvanized. Each, F. O. B. Dallas...\$1.35

No. 155—Charcoal Tin. Each, F. O. B. Dallas...1.65

Grit and Shell Boxes

Feeding of grit, ground shells and charcoal is now recognized as an essential part of the diet to keep fowls in healthy, prime condition. Our boxes are exceptionally economical and practical.

No. 45 — For baby chicks, 2 compartments. Height 8 in., width 5 in., weight 2 lbs. Each, F. O. B. Dallas...\$.45

No. 9 — 3-compartment. Height 13 in., width 8 1/2 in., weight 4 lbs. Each, F. O. B. Dallas...\$.85

No. 90 — 4-compartment. Height 13 in., width 11 in., weight 5 lbs. Each, F. O. B. Dallas...\$1.15

Dry Mash Hoppers

All the parts are accurately cut and stamped with dies, and the workmanship throughout is of the very best. The improved curved bottom keeps the feed within easy reach of the fowls and the taper shape of the bottom—prevents the feed from spilling and insures a gradual, automatic feed.

The wire grid and the wires running from the flange through the wire grid prevent the fowls from throwing out or wasting the feed.

The sloping top prevents them from roosting on the hopper. When both covers are closed it is rat, mouse and weather-proof.

No.	Capacity	Shipping Weight	Each
No. 35	10 qts.	5 lbs.	\$1.00
No. 36	14 qts.	7 lbs.	1.25
No. 13	22 qts.	9 lbs.	1.45
No. 37	32 qts.	12 lbs.	1.75

Prices F. O. B. Dallas.

Klondike Reel Feeders

Utility, combined with beauty. Water-tight, sanitary and efficient. Made of high grade galvanized or charcoal tin. DeLux Model reels painted red, bases painted red and green. Utility Model reels painted green.

Klondike DeLux Feeders

(With Base)

Size	Metal	Weight	Price
28 inches	Galvanized	6 lbs.	\$1.00
48 inches	Galvanized	8 lbs.	1.50
28 inches	Charcoal Tin	6 lbs.	1.25

Klondike Utility Feeders

(Without Base)

Size	Metal	Weight	Price
12 inches	Galvanized	2 lbs.	\$.25
24 inches	Galvanized	3 lbs.	.50
48 inches	Galvanized	4 1/2 lbs.	1.00
28 inches	Charcoal Tin	3 lbs.	.75

Prices F. O. B. Dallas.

Growing Chick Feeder

This outdoor chick feeder is just about the most practical, all-around feeder we have seen. The wide rain cover projects well beyond edge of feeding trough, protecting contents from most rains. Side wall of feeder and rain cover are a one-piece construction, and come to you set up, ready for immediate use. A most sturdy feeder, with a pleasing appearance. Dividing partitions form convenient carrying handles. Hinged cover. Grids can be raised and locked in upper position.

No.	Length	Height	Width	Weight	F.O.B. Dallas
CF24W	24 inches	8 inches	11 1/2 inches	9 lbs.	\$1.35
CF36W	36 inches	8 inches	11 1/2 inches	13 lbs.	1.85
CF1B	30 inches	12 inches	17 inches	16 lbs.	2.50
Same Feeder Without Rain Cover					
CF21	21 inches	8 inches	11 1/2 inches	6 lbs.	1.05
CF36	36 inches	8 inches	11 1/2 inches	8 lbs.	1.50

Wire Guard Five Foot Feeders

A Five-Foot Feeder With Removable Trough.

The trough is made of extra heavy galvanized steel and holds 32 quarts of feed. It is five feet long, 8 inches wide and 5 inches deep. Has wide, turned-in flanges on each side to prevent waste of feed.

The wire guards are of heavy No. 7 hard galvanized wire, correctly spaced, and electrically welded. Hinged in one unit, so that the entire guard can be thrown back for filling and cleaning.

The trough rests securely on the stand, but is not bolted down and can be easily lifted off to dump and clean it. Stand has strong angle iron legs, well braced, complete with stout wooden perches. Total height on stand 27 inches.

Height of perches, 17 inches. Packed two in a crate. Shipping weight (two) 58 lbs.
No. 355—Complete with stand and wire guards.
Each, F. O. B. Dallas. \$4.75

Magnolia Adjustable Reel Feeders

This new feeder is designed along scientific lines to provide the most sanitary feeding conditions that can possibly be attained for chicks, starting at the day-old stage to the broiler age. The feeder may be used without the adjustable metal legs for day-old chicks, and as the chicks grow it may be raised by use of legs to any position from 1 1/4 inches to 3 inches off floor.

This feeder is made of the best grade galvanized iron. The 4-Fin reel is rust-proof, with case hardened pins at each end, and is painted green. Adjustable brackets which separate the reel at each end are held by rust-proof bolts and wing nuts, permitting easy and complete adjustment of headroom. You may raise your chicks from babies to broilers with this feeder.

Length	Packed to Carton	Shipping Weight Per Carton	Delivered Prices	
			Price Each	Price Dozen
24 inches	1 dozen	30 lbs.	\$.60	\$ 6.60
36 inches	1 dozen	41 lbs.	.90	9.90
48 inches	1 dozen	67 lbs.	1.10	12.00

Magnolia Grill Feeder For Growing Chicks

These big capacity feeders save time and feed and they are remarkably low priced. The trough of heavy galvanized steel is 6 3/4 inches wide and 3 1/4 inches deep, with edge full rolled for strength. The die drawn ends are securely welded, the wire grid is indestructible and hinges back for filling. Wide edge stops waste.

No.	Length	Packed	Shipping Weight Each	F.O.B. Dallas Price Each
H3-2030	30 inches	6 to carton	4 1/2 lbs.	\$.95
H3-2048	48 inches	3 to carton	6 lbs.	1.50

Non-Spill Buttermilk Feeders

The adjustable Non-Spill Feeder is ideal for clabber or buttermilk because its exclusive construction prevents spilling when inverted after filling. Large free-flowing opening will not clog. Adapted for thin wet mash, dry mash or any liquids.

Four quarts. Packed 6 to crate. Shipping weight, 14 lbs. each. Price each, F. O. B. Dallas. .95c

The Long Boy Feeder

A LONG TIME INVESTMENT

The heavy wire grid is firmly anchored in galvanized steel channels, which also act as a non-wasting guard. The grid is practically indestructible, simple and dependable in operation, snapping in and out. There are no hinges to give trouble. The trough, built of 26-gauge Prime Galvanized Steel, is of approved shape and size, with full rolled edge adding strength and improving appearance. The wide wooden perches are adjustable as to distance from the trough. The stand, built of 20-gauge black japanned steel, is very substantial, easily capable of supporting 400 pounds dead weight. Grid and trough come assembled. Stand is shipped knocked down, but easily bolted together. Also come in reel, tumble guard.

Prices F. O. B. Dallas	Shipping Wt.	Price Each
3 ft. Long Boy Feeder—Grid Guard.	14 lbs.	\$3.50
6 ft. Long Boy Feeder—Grid Guard.	24 lbs.	4.95

Famous Star Founts

A single piece of heavy, non-rusting metal. No seams, solder or loose parts. Can't leak; chicks can't drown. Fits any Mason jar in 1-pint, 1-quart and 2-quart sizes. Shipping weight, 1 lb.

Star Fount.

No. 32—(Jar not included.) Price each, 10c;
Dozen F. O. B. Dallas,\$1.00
No. 133—Charcoal Tin. Each, 10c.
Dozen F. O. B. Dallas,\$1.10

Mason Jar Fount

An abundance of water is always in the pan, and yet it will not overflow. Screw cap electrically welded to pan, fits standard Mason jar.

Mason Jar Fount.

No. Metal
G-25 Galvanized
T-25 Charcoal Tin

Shipping F.O.B. Dallas
Weight Each Doz.
1/3 lb. \$.10 \$1.00
1/3 lb. .12 1.20

Magnolia Jar Fountains

A most practical jar fountain. Very convenient, as the upper pan once screwed on to the jar is left there. Entirely sanitary because the lower pan is free from any dirt-catching attachments. Chicks do not get wet using this fountain. Diameter, 6 inches, with 8 round holes.

Magnolia Jar Fount.

Price, each,10c
F. O. B. Dallas.

Automatic Fount

A high grade automatic valve and float, to regulate the flow of water to a drinking dish. Valve mechanism entirely of brass, nickel finish with nothing about it to rust or clog.

Especially desirable for use with Grill Top Pan illustrated on Page 58.

No. 30—Valve and float only,
wt. 2 lbs, postpaid,\$1.00

Bottom Fill Fountain

Made from heavy galvanized steel, two piece, cone shape, easily filled and cleaned. A very popular fountain, made in three sizes:

No.	Capacity	Height	Shipping Weight	F.O.B. Dallas
B-1	1 quart	6 inches	1 lb.	\$.20
B-2	2 quart	8 inches	1 1/2 lbs.	.30
B-4	1 gallon	9 1/2 inches	2 lbs.	.40

Handy Fill Chick Fountain

A high grade chick fountain. Holds large supply of water. Easy to clean and fill.

Handle is reversible, forming a pail for convenience in filling. Will not overflow. Stands 2 inches high to prevent small chicks from scratching litter into trough. Nested for shipment.

F. O. B. Dallas
No. C-2-S—2 gal., wt. 4 lbs.,\$1.10
No. C-3-S—3 gal., wt. 5 lbs.,1.40

Large Capacity Founts FLOAT AND VALVE CONTROLLED

Your egg production is dependent upon hens having available at all times, ample water supply. One hundred hens will drink from four to five gallons of water per day and egg production will stop within forty-eight hours if the water supply is cut off. Water should be kept fresh and clean and for that reason, large capacity containers are desirable. When the weather is cold, you must have protection from freezing. Our large capacity founts are most practical for all purposes.

They are made of high grade galvanized rust resisting steel sheets, controlled by an improved adjustable float and valve arrangement, keeping the water at exactly the right level in the drinking pan. Drinking pan has two small round flues coming up to bottom of water container, allowing circulation of warm air and preventing water from getting too warm in the pan. This also prevents water from freezing in the large container. Easily cleaned and can be kept in an absolutely sanitary condition, with a minimum of labor. Lamp has 60-hour capacity.

No. B-16
No. B-19

No.	Item	Shipping Weight	F.O.B. Dallas
16	5 Gallon Fount, with heater, without base	14 lbs.	\$5.50
B-16	5 Gallon Fount, with heater and base	27 lbs.	8.25
19	8 Gallon Fount, with heater, without base	17 lbs.	7.65
B-19	8 Gallon Fount, with heater and base	31 lbs.	9.75

Magnolia Automatic Fountain and Trough

Your water troubles are all over when you install a Magnolia Automatic. There are a quarter of a million now in use and you will hear them praised wherever they are installed. Any kind of pans or crocks may be used with this fountain with the best results. They are operated by gravity and the pressure of the water system should govern the size of the trough. They are frost-proof to the extent that they cannot be damaged by freezing.

Magnolia Fountain

Weight, 2 lbs. Each,\$1.50
Dozen\$16.50

Magnolia Galvanized Trough

Weight, 4 lbs. Each,75c
Dozen\$8.25

Magnolia Porcelain Trough

Weight, 6 lbs.
Each\$2.50
Dozen\$27.50

Prices, F. O. B. Dallas.

Magnolia Automatic Fountain and Trough.

Magnolia Easy Fill Fount

This is a splendid sanitary fount. The pan snaps on easily and snugly over the mouth. Scallop edge waters all around, yet keeps chicks out of the water. Has a comfortable handle. Built of non-peeling Tite-Cote galvanized steel. Ten cups in the pan.

F. O. B. Dallas.

No.	Capacity	Packed	Shipping Weight	Price Per Carton	Each	Price Dozen
H3-16	4 quart	6 to carton	10 lbs.	\$.55		\$6.00
H3-166	6 quart	6 to carton	16 lbs.	.70		7.75

Large Capacity Fountain

VACUUM CONTROLLED—LAMP HEATED

This fountain is of the double jacket, vacuum control type, and is quite satisfactory, although probably not quite so efficient as the float and valve type.

Water feed is automatic. Inner tank may be used for carrying water. Automatic shut-off valve prevents water from running from supply tank, while being filled. Cover locks onto inner jacket so that fountain can be lifted whether cover is in place or has been removed. Fountain is lifted from base to attend lamp. Lamp has 60 hour capacity.

No. C-5—Fountain only, without heater or base. Shipping weight, 13 lbs.
F. O. B. Dallas,\$3.15

No. 05—Fountain with heater but without base. Shipping weight, 15 lbs.
F. O. B. Dallas,\$4.65

No. 05B—Fountain with heater and base. Shipping weight, 28 lbs.
F. O. B. Dallas,\$7.25

C5-05
05-B

Filling C-5 or 05.

Magnolia Grill Top Water Pan or Feeder

An inexpensive, yet modern, sanitary drinking pan or feeder for grown birds. The heavy wire cone-shaped grill prevents roosting on the pan and keeps birds from getting into the pan. Capacity of pan, 4 gallons; diameter, 15½ in.; depth, 5¼ in.; packed 3 to carton; shipping weight of carton, 21 lbs.

This pan is in especial favor for use with large flocks. May be used with the Magnolia Automatic Fountain, or any satisfactory valve control.

No. 114—Price each, \$1.60.
Price per dozen, \$18.00, F.O.B. Dallas.

Fountain and Brooder Heater

Can be used with all styles of fountains and effectively prevents water from freezing. Solves problem of uniform supply of fresh, clear water at all times, no matter how cold the weather. Is also an excellent heater for small brooders. Lamp fount holds sufficient oil to burn continuously for 7 days. Height, 7 in.; diameter, 11 in.; shipping weight, 6 lbs.

No. 10—Price each, delivered\$2.00

Don't Lose Those High-Priced WINTER EGGS

Don't let your egg production drop way down when the weather gets cold. Use CEL-O-GLASS, and instead of fewer eggs, you'll have stronger, healthier hens that keep on producing just when egg prices are highest.

CEL-O-GLASS is the only window material with a wire mesh base with published scientific proof that it increases egg production. Back of CEL-O-GLASS is an 8-year record of performance on farms from coast to coast. Many experiment stations have proved the value of CEL-O-GLASS. Use CEL-O-GLASS and you not only increase egg production, you practically eliminate thin-shelled eggs.

CEL-O-GLASS also keeps houses warmer, and pays for itself over and over again. Moreover, properly installed CEL-O-GLASS will last for years.

This new folder shows how CEL-O-GLASS provides Vitamin D—by transmitting the ultra-violet rays of the sun.

Other Uses for CEL-O-GLASS

CEL-O-GLASS in brooder houses prevents chick mortality, raises healthy chicks—in hog houses prevents weak legs. Good for dairy barns, cold frames, hot beds, back porches, storm windows, storm doors, and sleeping porches. It lets in the sunlight and keeps out the cold.

Write for free CEL-O-GLASS blueprints. Valuable whether you plan to build, remodel or install in present buildings.

F.O.B. Dallas
Rolls, 100 ft. long by 3 ft. wide (300 square feet), 42 lbs. \$40.50
Per sq. yd.—3 linear feet by 3 ft. wide..... 1.35

Glass Cloth

Chicks thrive amazingly under glass cloth. They get the ultra-violet sun rays and grow faster and healthier, feathering out into plump frying size several weeks earlier than when kept under glass.

A test with chicks at Iowa State College, at Ames, Iowa, proved that Glass Cloth is very valuable to the health of baby chicks. Of an equal number of chicks placed under glass and under glass cloth, 25 per cent of the chicks under glass died, while all under Glass Cloth lived. The 75 per cent that lived under glass gained only 180 per cent on their original weight, while those under Glass Cloth gained 250 per cent.

IDEAL FOR HOTBEDS

Light, strong and cheap. Glass Cloth is the ideal material for hotbeds and coldframes. Glass Cloth holds in the warmth and does not chill as quickly as window glass. Tender young plants need ultra-violet light, just as baby chicks do. Glass Cloth lets these rays through and as a result, you grow stronger, hardier plants that will not be nearly so likely to burn up in the sun when you set them out.

F. O. B. Dallas Prices

1 Yard (9 sq. feet). 3 ft. long, 36 in. wide. Per yard.....30c
10 Yards (90 sq. feet). 30 ft. long, 36 in. wide. Per roll....\$2.75
15 Yards (135 sq. feet). 45 ft. long, 36 in. wide. Per roll.... 3.90
50 Yards (450 sq. feet). 150 ft. long, 36 in. wide. Per roll....12.50

Crystol Fabric

There are a number of substitutes for Glass Cloth on the market, but we find them from 35% to 70% less durable than this high grade product. The manufacturers of Glass Cloth, however, realizing that some people might want a cheaper fabric, have manufactured their Crystol Fabric to meet the demand for a lighter weight, less expensive cloth.

We recommend Crystol Fabric where a light weight fabric is desired to use for just a short time. Glass Cloth will outlast Crystol Fabric four times the normal life of Crystol Fabric; yet if you do not need long life, there is no advantage in paying for it. 36 in. wide.

NOTE THESE PRICES

1 Yard (9 sq. feet)..... 20c 15 Yards (135 sq. feet)...\$2.40
10 Yards (90 sq. feet)...\$1.75 50 Yards (450 sq. feet)... 7.50
F. O. B. Dallas

Magnolia Fibre-Free Poultry Litter

This litter promotes exercise, cleanliness, and helps control the temperature and humidity of the poultry house.

Our Litter is selected from the highest grade of peat. It is dug from the central beds of the peat deposit belt in Germany. After drying in the sun for 12 to 15 months, practically all fibre is removed and it is ground and graded over screens. The portions best suited for litter are put up into well compressed bales. When opened and broken up, this moss increases greatly in volume and one bale is sufficient to cover a floor area of at least 80 square feet, three inches deep.

Here are some of the reasons why Magnolia Fibre-Free Poultry Litter is demanded:

1. It is a Labor Saver. It lasts for months.
2. It Prevents Dampness, because of its great absorbing power. It will absorb several times its own weight in water.
3. It is Sanitary. Laboratory tests have shown it to be remarkably free from bacterial and parasitic life.

4. It Prevents the Spread of Disease by keeping the house dry and clean.

5. It Absorbs Offensive Odors, keeping the atmosphere of the house clean and pleasant.

6. It Keeps the House Warmer in Winter by acting as an insulator. It keeps the birds off the cold, damp floor.

7. It is Economical. Though the original cost may be slightly higher, it outlasts other litter two or three times, and saves the labor of handling.

8. It Provides a Light, Springy Mat for the Birds. Heavy birds do not injure themselves when alighting, thereby reducing bumble feet and lameness.

9. It Prevents Fire, because it contains practically no fibre. It takes an intense heat even to make Magnolia Fibre-Free Poultry Litter smoulder, and it will never blaze.

10. It Makes a Valuable Fertilizer. Not only does it preserve the plant-food value of the droppings, but the organic matter in peat moss itself is highly beneficial to the soil.

Magnolia Fibre-Free Litter, because it is free of fibre, absorbs better, can be used longer, is practically fire-proof and makes a splendid fertilizer.

Per bale of approximately 20 to 22 bu.....\$3.50
Small bales, approximately 10 to 11 bu..... 1.95

F. O. B. Dallas.

Hatchery Supplies

Magnolia Shipping Box

GOOD CHICKS DESERVE ATTRACTIVE CONTAINERS

MAGNOLIA BOXES help you to build permanent customers by pleasing your customer at first sight, and by protecting your chicks so that they are in good condition when received.

This year's box is strictly modern—corners are slotted so as to make assembly more attractive; partitions are scored so that they turn in one direction on one side, and in the reverse direction on the other; partitions are punched for more satisfactory ventilation; top of box con-

tains four holes in the center for better ventilation; and insides are slightly scored where partitions attach to box, for increased ease and speed in setting up.

The boxes are made of high grade, strong corrugated board, weather-proofed kraft outside and chip liner. All holes semi-punched, permitting complete control of ventilation.

All boxes wrapped 12 to the bundle, without staples. We do not break bundles.

Size	Shipping Weight Per Doz.	F. O. B. Dallas Prices	
		12 to 500 Each	500 and Over Each
100 Chick Standard 22x18x5 1/2	28 lbs.	\$.09 1/4	\$.08 3/4
50 Chick Standard 18x11x5 1/2	17 lbs.	.06 1/4	.05 3/4
25 Chick Standard 11x 9x5 1/2	10 lbs.	.04 1/4	.03 3/4
100 Chick Hot Weather 24x18x6	32 lbs.	.10	.09 1/2
50 Chick Hot Weather 18x12x6	19 lbs.	.07	.06 1/2
25 Chick Hot Weather 12x 9x6	11 lbs.	.04 3/4	.04 1/4

Magnolia Custom Hatch Box

FOR OVER-THE-COUNTER DELIVERY

and the box is ready for use. Telescope top holds absolutely rigid. Wrapped 100 to the bundle. We do not break bundles.

Size	Shipping Weight Per 100	F. O. B. Dallas Prices	
		100 to 500	500 and Over
25 Chick—11x9x5.41 lbs.		\$2.75 per 100	\$2.65 per 100
50 Chick—18x11x5.72 lbs.		3.75 per 100	3.65 per 100

15 Chick Bags

These bags are made of tough paper, 12x14 inches in size and make an ideal bag for carrying baby chicks in quantities of from 1 to 15. The bags are satisfactorily ventilated, have slotted hand holds, and they furnish a solution to small deliveries at reasonable price. They are packed 250 to the bundle and weigh 15 pounds per bundle. Prices, F. O. B. Dallas: Less than 250, \$1.25 per 100; 250 to 1,000, \$2.85 per bundle of 250; 1,000 and over, \$10.50 per thousand.

Wake-O Temperature Alarm

This alarm gives a continuous signal when the temperature rises or drops beyond the point at which the controlling contacts are set. Can be adjusted for any desired range of temperature, permitting the use of the signal in many other places than incubators and brooders. Accurate and dependable. Once the contact screws are set, the device requires no further adjustment.

This affords good fire insurance. Should fire break out in or near the incubator or brooder, warning is given immediately by the ringing of the bell.

Each alarm is furnished with bell, switch, 1/4 pound of wire, insulated staples and screws. On account of shipping weight the standard dry cell is omitted and is all that is necessary to be purchased from your local store.

Wake-O Temperature Alarm, F. O. B. Dallas. \$3.75

Chick Box Supplies

	Shipping Weight	F. O. B. Dallas
Ventilating Punch	1 lb.	\$.25 each
Hatchery Glue, 1 gal.	12 lbs.	.85 gal.
Hatchery Glue, 5 gal.	60 lbs.	2.75 can
Sisal Twine, hard twist, 2-ply, 5-lb. balls	5 lbs.	.25 lb.
Jute Twine, 4-ply, 1/2 lb. balls	1/2 lb.	.25 lb.
2-in. Paper Sealing Tape, 600-ft. to roll	3 lbs.	.50 roll
Wood Wool, Fine Pine	100 lbs.	2.85 cwt.
Wood Wool, Medium Pine	100 lbs.	1.95 cwt.
Wood Wool, Cottonwood	100 lbs.	3.50 cwt.
Wood Wool Pads, 9x11 inches—		
50 to bale		.45 bale
20 bales or more, per bale	7 lbs.	.42 1/2 bale

Staplers

Acme No. 1-H
A machine designed especially for hatchery use. The arm depth makes this machine a big time saver in the hatchery. Sturdily built and equipped with the improved lever action. Uses No. 61 broad wire staples. Shipping wt. 8 pounds. F. O. B. Dallas price: \$8.00.

Special Replacement Offer

The No. 1 Acme Machine used by so many hatcheries being now obsolete, we are authorized to make an allowance of \$1.50 on the return of the No. 1 Acme Machine, irrespective of condition, to apply on the purchase of a No. 1-H Machine. Just ship your old machine to us at Dallas and a money order for \$6.50 and the No. 1-H Machine will be shipped to you.

Tack Your Chick Box Sticks

The No. 142 Acme Tacker fastens our new feather-weight strips to your chick boxes speedily and economically. Does a neater and quicker job than is possible with glue. Also saves time tacking tags to crates and one hundred other odd jobs of tacking. Uses No. 142 broad wire staples. Shipping weight, 4 lbs. Price F. O. B. Dallas, \$7.50.

Staples

No.	Leg	Packed	F. O. B. Dallas Per Box	5-Box Lots Per Box
142	7 16-in.	4,000 to box	\$1.40	\$1.35
XX	5 16-in.	5,000 to box (Cohered)	1.35	1.25
61	3 8-in.	5,000 to box (Cohered)	1.60	1.50
TIN HAND STAPLES, 1,000 to box			.75	
STAPLE TOOL, for use with either tin hand or copper coated staples, to guide staples into box			Each .35	

Feather-Weight Ventilating Strips

The feather-weight ventilating strip is manufactured from a white wood of extremely light weight, thoroughly kiln-dried. Weigh only

40 pounds per 1,000 strips, including container. They are packed nested 1,000 6-inch strips in a light strong box, measuring 11x12x19 inches, saving a lot of storage space. There is no loss in shipping and the strips are at all times clean and con-

venient to handle. F. O. B. Dallas price: Per box of 1,000 strips, \$2.25. 10 box lots or over, per box \$2.00.

Egg Farm Supplies

Standard Hatching Egg Boxes

Made of 175-lb. test heavy corrugated board throughout, satisfactory for shipping hatching eggs. Space on lid for address of customer and yours. Especially designed for shipping by parcel post or express, so that there is no danger of chilling or becoming broken enroute. Very easily set up and packed.

Size	Dozen, Weight	1 to 9 Dozen, Per Doz.	10 Doz. Per Doz.
15-Egg Box.....	11 1/2 lbs.	\$1.50	\$1.35
30-Egg Box.....	16 1/2 lbs.	2.25	2.00

Write for prices on larger quantities. Prices, F. O. B. Dallas.

Farmers' Friend Egg Carriers

Well built and durable. Adjustable cover. Complete with fillers and flats. Can be used for shipping eggs by parcel post or express, or for delivering eggs to the stores, hatcheries, etc.

6-Dozen Egg carrier, complete.....	\$.75
12-Dozen Egg Carrier, complete.....	.95
Fillers and Flats, Per set.....	.20

Prices, F. O. B. Dallas

Acme Egg-Grading Scales

Graded Eggs Mean Higher Market Value

Acme Egg-Grading Scales will accurately grade all eggs ranging from 16 ounces per dozen to 32 ounces per dozen. Made entirely of aluminum. Shipping weight, 3 lbs.

Price, each\$2.65

Prices, F. O. B. Dallas

Egg Stamps

A rubber stamp for guaranteeing eggs. Furnished in standard style for associations, or individual style, with name and address of stamper, and one word additional. Care should be used that too much copy is not furnished.

Egg Stamp

Quantity Price for Change of Number Only

Quantity	Each
1 to 5.....	\$1.00
5 to 10.....	.90
10 to 20.....	.80
20 to 25.....	.70
25 to 50.....	.65
50 to 75.....	.63
75 to 100.....	.60

Specimen of Imprint

Quantity Price for Change of Name only

Quantity	Each
1 to 10.....	\$1.00
10 to 20.....	.95
20 to 30.....	.92
30 to 35.....	.90
35 to 40.....	.89
40 to 50.....	.88

SELF-INKING PADS

GEM—Size, 2 1/4 x 3 1/2. F. O. B. Dallas, each.....25c

Caponizing Instruments

The best caponizing tools on the market are known as the Lansdowne No. 2 Caponizing Set, for sale by this company. They are made by expert surgical instrument manufacturers and are first-class in every respect. With each set of instruments we send a booklet containing full instructions for using the instruments and caring for the capons. Shipping weight, 1 pound.

Price, per set, postpaid....\$4.95

Superior Hatching Egg Boxes

For Chicken or Turkey Eggs

Strong corrugated paper, 175-lb. testboard reinforced by an interlining which thoroughly protects the entire box. An exceptionally heavy and practical box, which can be used for shipping either chicken or turkey eggs. This box is stronger than the standard hatching egg box and is much larger in size.

Size	Dozen, Weight	1 to 9 Dozen, Per Doz.	10 Doz. Per Doz.
15-Egg Size.....	15 lbs.	\$1.75	\$1.50
30-Egg Size.....	23 lbs.	2.50	2.25

Write for prices on larger quantities. Prices, F. O. B. Dallas.

Egg Cases

Standard 30-dozen egg cases, made of cottonwood, shipped knocked down; 25 to the bundle.

	Bundle Weight	Bundles of 25, per Case
Cottonwood.....	200 lbs.	\$6.25
Fillers—12-30 doz. sets to case, 50 lbs.		2.00

Prices, F. O. B. Dallas

Commercial 2x6 Egg Boxes

A Box That Helps You Sell Eggs

Cardboard. 30 dozen of these boxes will fit a standard egg case. Weight per 1,000, 155 pounds.

50-250, per 100....	\$1.65
250-5,000, per 100....	1.45
5,000 and up, per 100	1.35

Prices, F. O. B. Dallas

Eagle Egg Boxes

Weight per 1,000, 100 pounds.	
50-250, per 100.....	\$1.00
250 and up, per 100.....	.75

Prices, F. O. B. Dallas

Write for prices on larger quantities, or for special printing on Commercial and Eagle Egg Boxes.

Nest Eggs

Will not break easily. Weight, per dozen, 2 pounds.

	Each	Doz.
China—Fine grade porcelain..	\$.05	\$.35
Chalk—Dull finish.....	.05	.35

Prices, F. O. B. Dallas

Oat Sprouters

The frame is of steel, well braced and neatly painted. Has six heavy galvanized iron pans. Five of the pans have perforated bottoms to secure the proper drainage, and the bottom pan is solid to hold the drippings. Pans are interchangeable. Sectional frame can be quickly taken apart and stored in a small space.

The best results are obtained if the sprouter is placed in a cellar near the furnace or in a room with a temperature of 65 to 70 degrees. Use good oats and soak them in water for about 12 hours, then fill the trays to a depth of about 1 inch. Sprinkle and stir with a paddle EACH DAY until they sprout. Then discontinue stirring, but continue to sprinkle daily.

No lamp or heater required. Total height of frame, 3 feet. Size of pans, 16 inches by 18 inches. Packed knocked down, one in crate. No. 110—Oat Sprouter. Each, F. O. B. Dallas.....\$5.95

Grit, Oyster Shell and Charcoal

Laying hens need about three times as much lime and mineral matter as is furnished in grain and meat food. If this is not supplied there will be fewer eggs or soft-shelled eggs. Grit is the hen's teeth; oyster shell helps furnish lime for egg shells; charcoal is an absorber of gas. It aids digestion, sweetens the digestive tract and helps keep the bowels in good condition.

	10 Lbs.	50 Lbs.	100 Lbs.
GRIT (Designate fine or coarse).....	20c	\$.80	\$1.50
OYSTER SHELL (Fine or coarse).....	20c	.80	1.50
CHARCOAL (Fine or coarse).....	45c	2.00	3.95

Prices F. O. B. Dallas

Brooder House Ventilators

Pure air is the cheapest medicine you can give your flock, and produces more results than any medicine concocted by man. The air in your brooder house is quickly poisoned, for chicks require even more air proportionately, than a human being. So ventilate your brooder houses. These inexpensive ventilators will save you many chicks.

PBS-12

PBS-9—Ventilator, base, 12x12; vent flue, 9 inches; height, 27 inches; shipping weight, 18 lbs. **Prepaid**\$7.80

Square base combination ventilator and pipe cap is for use on flat and gable roof brooder houses. Pipe collar is designed to receive either four or five-inch brooder pipe. Made from heavy galvanized iron, strongly braced. Aluminum finish.

PBS-12 — Ventilator, base, 16x16; height, 36 inches; vent flue, 12 inches in diameter. Height, 27 inches; shipping weight, 25 lbs. **Prepaid** ..\$10.35

Round base combination is for use on round, octagon and hexagon roofs, with 30 degree pitch or more. Otherwise same construction as Square Base.

PBR-12

PBR-12 — Ventilator, Vent flue, 12 inches diameter; height, 30 inches; shipping weight, 25 lbs.

Prepaid\$10.05

PBR-9 — Ventilator. Vent flue, 9 inches; height, 22 inches; shipping weight, 18 lbs. **Prepaid**\$7.65

CBA-9

Adjustable base, combination pipe cap and ventilator for flat roofs, base adjustable to fit various pitch roofs from flat to 20 degree pitch. Galvanized iron, aluminum finish. 9-inch vent flue. Pipe collar receives either four or five-inch pipe.

CBA-9—Ventilator, shipping weight, 9 lbs. **Prepaid**\$4.05

CBR-9—Ventilator, round base instead of adjustable base. Shipping weight, 9 lbs. **Prepaid**\$4.20

Write for special data on Ventilating Systems if interested.

Moto-Air

INDISPENSABLE FOR HATCHERIES

This is a complete unit, electrically operated, for the cleaning and disinfecting of commercial hatcheries. It is a powerful vacuum cleaner and a highly efficient power sprayer. It removes egg shells, fluff and all other debris from any type of incubator. It sprays disinfectant, insecticide, whitewash and other materials in a way unequalled by many other machines costing several times what you pay for the Moto-Air. Can also be used in the home and in your automobile as a vacuum cleaner. 30-in. Special Incubator Nozzle makes incubator cleaning very simple and quick.

No. 715 MOTO-AIR—Complete, shipping weight, 17 lbs. **F. O. B. factory**\$28.50

Exhibition Coops

The kind that show your birds to the best advantage. Made from best galvanized steel wire. Each of the wire sections has a frame electrically butt welded at the joint, making it a continuous piece. Cross wires are electrically welded to the frame.

Exhibition Coops.

SINGLE—Size, 22x22x27 inches; weight, 12 lbs...\$1.75
DOUBLE—Size, 48x24x27 inches; weight, 20 lbs.... 3.15
TURKEY—Size, 36x36x36 inches; weight, 30 lbs.... 4.50
PARTITIONS—Weight, 3 pounds45

(Prices F. O. B. Dallas)

Feed and Water Cups

A practical, convenient and durable cup for exhibition coops. Drawn from one piece of heavy terne plate, a rust-resisting metal. No seams or solder. Dimensions, 4½ in. long, 3 in. wide and 2 in. deep. Capacity, about ½ pint. Packed 6 dozen in a carton. Shipping weight, 17 lbs. per carton.

No. 61—Exhibition Cups. Each, **F. O. B. Dallas**15c

Heating Element for Small Brooders

May be used in Battery brooders instead of bulb. Puts out more heat and uses very little more electricity. 110 volt. Can furnish in 60-watt or 600-watt—the latter being used principally for small room heaters.

	Each	Dozen
A-60—60-watt heating element.	Postpaid\$.75	\$8.50
A-600—600-watt heating element.	Postpaid\$.75	8.50

Steel Pyramid Auto Coop

This coop is built of the very best galvanized wire, with every intersection of wire permanently welded. Just the thing for carrying poultry to market. Fits on running board of any automobile. Doors fastened by ingenious clasps, easily operated. Floors are of high-grade wood, strong enough to hold any weight placed on them.

The complete coop weighs but 19 lbs. The sturdy construction gives great strength though the weight is much less than other similar coops. Size, 41x24x13 inches.

No. 1217—Each, **F. O. B. Dallas**\$3.00

Numberall Rotary Steel Hand Stamp

A practical and time-saving tool. Excellent for numbering Leg and Wing bands and wing markers. Also can be used for numbering and lettering incubator trays, metal tags, tools, name plates, machinery, in fact any article of aluminum, wood, brass, nickel, fibre, celluloid or steel (except hardened steel), etc. Affords positive single blow results. No need to repeat or trace number when once struck with a Numberall. Built for service. Wheels and axles of hardened tool steel.

Furnished with a complete set of numerals on one wheel (one shank) or with the alphabet letters on two wheels (two shanks). Size of character 3-32 or 1-8 inch. Specify size wanted. Figures or letters combined in rotation.

Stamp with numerals; postpaid\$2.50
Stamp with alphabet letters; postpaid 5.00

Epsom Salts

A home remedy with which everyone is familiar. When tobacco dust is used for worming, salts should be fed afterward. Salts should be kept clean and dry at all times. We recommend that it be fed one pound to 125 fowls over six months old; one pound to 150 fowls from five to six months old; one pound to 300 fowls three to five months old; one pound to 400 fowls two to three months old, and one pound to 500 fowls six to eight weeks old.

3 lbs., Postpaid	Price
10 lbs., Postpaid	\$.75
100 lbs., F. O. B. Dallas	5.00

Cod Liver Oil

For use in the feed. "Bottled Sunshine," high in vitamin content. We have a guaranteed vitamin content of 500 Vitamin A and 250 Vitamin D. This is a splendid bone-builder.

1 gallon, F. O. B. Dallas. Shipping weight, 10 lbs.	\$1.75
5 gallons, F. O. B. Dallas. Shipping weight, 50 lbs., per gal.	1.50
30 gallons, F. O. B. Dallas. Shipping weight, 275 lbs., per gal.	1.25

F & E Chick Pick Remedy

STOPS THAT PICKING

F. & E. Chick Pick Remedy is not a medicine. It is a habit-breaking ointment that quickly overcomes cannibalism.

It was originated and offered in one of the largest poultry districts in America—produced for one purpose only—to overcome the vicious picking habit of chicks and older birds.

Be sure to have a supply of this when you get your baby chicks. So many conditions may start the picking habit and it spreads rapidly once the birds taste blood. An immediate generous application of F. & E. Chick Pick Remedy, however, not only quickly breaks the bird of the vicious habit but assists in healing the raw flesh of the picked ones. Repeat application if necessary and follow carefully the directions shown on each can.

Prices: Per can, postpaid, 50c; per doz., postpaid, \$5.75.

For Roup

Watch your hens for the danger signs, swollen eyes, sneezing watery discharges, or cheesy formation in the nostrils, these signs are certain indications of roup. **RED ROOSTER ROUP REMEDY** is sure protection against ROUP and WHITE DIARRHEA. Don't be caught unprepared, have a bottle of **RED ROOSTER** on hand at all times, as when used it will immediately remove the source of infection. **Delivered prices: 8 oz. 50c; 16 oz. 95c.**

Double D Flock Wormer

AN ECONOMICAL WORMER

which is fed in the drinking water, and gives the entire flock treatment without the labor of handling each bird. This wormer gets the worms, cuts down your feed cost, and enables you to get more eggs. **Delivered prices: 8 oz. 50c; 16 oz. 95c.**

Double D Tonic

INCREASES THE VITALITY OF YOUR FOWLS

It is a preventive of roup, colds, white diarrhea, and coccidiosis. Very beneficial to feed baby chicks, economical to use, as hens require it only once a week to keep in tip-top condition. **Prices delivered: 8 oz. 50c; 16 oz. 95c.**

Barnes Emulsion

Vitality builder and worm control. Your chicks can be healthy and strong if they are hatched from good stock and brooded carefully, fed carefully and kept free from worms.

Barnes Emulsion aids digestion and assimilation of food. This means huskier chicks and greater freedom from all bowel troubles.

We recommend feeding Barnes Emulsion to your flock from the day-old chicks through the pullet stage, and continuously as laying hens. Our experience, and that of a number of poultrymen over the state, is that proper handling in this way invariably produces healthier fowls which reach maturity early and result in sound, healthy, high-production hens.

The most usual cause for non-development is malnutrition, due to worm infestation. The worms absorb the nutrients and the bird is slowly starved. It is a

well known fact that pullets should be free from worms before being placed in the laying house. It is also a fact that they should not be treated with poisons to free them from round worms. Barnes Emulsion is not a poison. It cannot harm your poultry and will assist assimilation of food nutrients and promote normal development.

Make a comparative test of Barnes Emulsion, feeding 10 baby chicks Barnes Emulsion the first three weeks of their lives and ten days each month thereafter and feed 10 more baby chicks of the same hatch, all other conditions identical without Barnes Emulsion. We are confident you will be a consistent Barnes Emulsion user from that time forward.

Delivered prices: Qt. \$1.00; gal. \$3.00; 5 gals. \$12.50; 30 gals. \$58.50.

Sulphur

Another home remedy which is quite effective. A preventive of sorehead and chicken pox and often fed to remove lice. Many patent remedies for the removal of lice and mites are nothing but sulphur and water. We do not recommend this, since it does not destroy the pest and as soon as the remedy is discontinued, the fowl is back in the same condition. Sulphur is good for the prevention of sorehead and chicken pox, however. Feed 2 lbs. to the 100 lbs. of mash.

3 lbs., Postpaid	25c
10 lbs., Postpaid	75c
100 lbs., F. O. B. Dallas	\$5.00

Tobacco Dust

This is a proven expellent, frequently recommended by State Experiment Stations. It is fed in the mash, 2 lbs. to the 100 lbs. of mash, for three days; then discontinued for three weeks; fed again for three days, discontinued for three weeks and a final three day feeding follows. After each feeding, some epsom salts should be fed for a day to remove the effects of the tobacco dust.

Guaranteed 1% tobacco dust. Prices: 3 lbs. 20c; 10 lbs. 65c; 100 lbs. \$5.95; F. O. B. Dallas.

Fox's Cannibalism Control

Stops picking instantly. If you have a modern brooder or poultry house you can overcome cannibalism without individual application.

Fox's Cannibalism Control is a coat for your windows. Paint will not do the work. It shuts out too much light. It took a great deal of experience to develop a color that would be suitable on glass, Cel-O-Glass and Glass Cloth. Fox's Cannibalism Control can be used on any of these things. It takes only a few minutes to apply. All of the windows must be painted. Chicks cannot discover the blood if they are kept in a room where the light is colored the proper shade of red. One pint will cover 50 square feet of glass. **Prices: 1/2 pint, postpaid, \$1.00; 1 pint, postpaid, \$1.60.**

Magnolia Seed Company, **READ THIS** Stephenville, Texas
Gentlemen: May 17, 1932

Fox's Cannibalism Control was the thing that finally controlled my cannibalism this spring. If the weather is cool enough to keep chicks shut up and the brooder house is constructed of a standard type (that is, a worthy house) I think the remedy most effective.

Very truly,
J. N. CAMPBELL.

Use Pulvex for Fleas

The popular Flea Powder is based on an entirely different flea-killing principle. Its use always kills all the fleas and lice, instead of only stupefying them, allowing them later to revive and reinfest the animal. Pulvex not only kills the fleas and lice but keeps them off for 7 days or longer. Absolutely harmless, even if swallowed; non-irritating to the skin; Pulvex is ideal for cats and birds as well as dogs. Odorless, easy to use, economical. Pulvex will absolutely protect dogs, cats and birds against the discomforts and dangers of fleas.

2-oz. shaker can; postpaid 50c

Walko Poultry Remedy

One of the best known and most generally used diarrhoea remedies on the market. Good for roup and cholera. **Price: Boxes 50c and \$1.00; postpaid.**

Jahnke's Poultry Powder

For roup, colds, cholera, white diarrhea, etc. Placed in the drinking water it promptly kills the germs. Does not color the drinking water. Sick chickens should be separated from well ones and treated vigorously. **Prices: Postpaid, 60c per box.**

A Million Poultry Men, Rabbit Breeders, Dairymen and Farmers Use B-K

Because it is absolutely dependable in helping to prevent the spread of infectious diseases, and because it is so inexpensive to use. They know it is a powerful non-poisonous disinfectant, easy to apply—that has proved its efficacy as a germ killer for 20 years.

You, too, will find it helpful to use B-K to prevent the spread of infectious diseases. Full directions come with every bottle.

Postpaid Prices

4 oz. 30c; 10 oz. 50c; 1 qt. 90c;
1 gal. \$2.00; 5 gal. \$8.50.

B-K Powder

B-K in powder form, reduces the expense of shipping it around the country. It is of course not quite so convenient to use as in the liquid form. Full directions for its use come with each bottle. 9 1-3 oz. bottle, 75c; 13-1 lb. bottle (makes 3 gallons of 3½ per cent sodium hypochlorite solution), \$1.50 each; postpaid.

"THE DAIRYMAN'S BEST FRIEND" Udder Help should be on the shelf of everyone caring for one or more cows.

A highly antiseptic, healing ointment used by dairymen and farmers everywhere for "caked" bag, sore, chapped teats, etc. Once you use this product, you will not be without it. It covers a multitude of needs and its effects are immediate. ½ lb. can 50c; 1 lb. can 90c; postpaid.

Poultry Remedies Which Have Stood the Test of Years

Barnes Remedies

BARNES CHICKEN POX REMEDY—An effective remedy for Chicken Pox, used in the drinking water. 175 tablets, 50c; 465 tablets, \$1.00; postpaid.

BARNES COLD REMEDY—Powerful and quick. You should have this on hand for emergency flock treatment at all times. 2-oz. bottle, 50c; 6-oz. bottle, \$1.00; 16-oz. bottle, \$2.00; postpaid.

BARNES DIARRHEA REMEDY—Has proven to be exceptionally effective. For use either in water or mash. Pints, 65c; gallons, \$3.00; postpaid.

BARNES EMBROCATION—This is a remedy to be applied direct in cases of roup, colds, swelled heads, cankers, chicken pox, sore eyes, scaly legs, pick-toe, rump picking and feather pulling. It is a thick fluid, which has proved to be a real boon to those who keep it handy for quick treatments. 2-oz. bottle, 50c; 4-oz. bottle, \$1.00; postpaid.

Dr. LeGear's Remedies

BOWEL REGULATOR—For bowel disorders. Per box postpaid, 25c.

CHICK DIARRHEA TABLETS—Just the thing for simple diarrhea. Per package, 50c; postpaid.

COW PRESCRIPTION—A splendid conditioner for your cows. Improves their physical condition and increases milk production. 2-lb. package, 50c; postpaid.

DIP AND DISINFECTANT—Antiseptic, Disinfectant, Germicide and Deodorizer for stable use. Destroys lice on poultry, dogs and all other animals. Use regularly to keep poultry houses, incubators, brooders, roosts, drop boards, etc., sanitary and free from lice. An ideal disinfectant for home use. Quarts, 70c; gallons, \$1.75; postpaid.

FLY CHASER—Drives flies away, and kills on contact. Also gnats and mosquitoes. Stainless. Quarts, 70c; gallons, \$1.75; postpaid.

GALL REMEDY—For collar, saddle and harness galls. Also useful for cuts and scratches of teats of cows. Box postpaid, 30c.

HOG PRESCRIPTION—Scientifically compounded, producing an efficient tonic, conditioner and regulator for the entire system. 3½-lb. pkg., 60c; 25-lb. pail, \$3.50; postpaid.

LICE POWDER—Quick and effective in getting rid of lice and mites on poultry or in nests. In sifter top can. Per package, 30c; postpaid.

LINIMENT—For sprains, bruises and muscular soreness and lameness of live stock. Per bottle, postpaid, 30c.

KAMALA PILLS—For tape worms in poultry. 50 pills, 75c; 100 pills, \$1.25; postpaid.

NICOTINE PILLS—For round worms in poultry. 50 pills, 50c; 120 pills, \$1.00; postpaid.

POULTRY PRESCRIPTION—Contains tonics and stimulants for the appetite; laxatives for the bowels and minerals for the feathers, bone and bone tissues. Mix with all laying and mash feeds, on the ratio of 1 pound of Prescription to 50 pounds of mash. Small pkg. (for 25 hens), 25c; medium pkg. (for 50 hens), 50c; large pkg. (for 100 hens), \$1.00; 25-lb. pails, \$3.00; postpaid.

ROUP PILLS—Quick and effective treatment for roup. Per package, postpaid, 25c.

SCREW WORM KILLER—Kills screw worms and keeps off flies. Per package, 30c; postpaid.

SOREHEAD REMEDY—A splendid remedy for poultry sorehead. Per package, 25c; postpaid.

STOCK POWDER—A fine general health promoter. Use this regularly. Small pkg., 25c; medium pkg., 50c; large pkg., \$1.00; 25-lb. pails, \$3.00; postpaid.

Star Parasite Remover

A preparation for use in the drinking water for the removal of lice, mites, etc. Effective so long as kept continuously in the water, but it is not a killer and we recommend permanent parasite exterminators. No shipments made outside of Texas. Can furnish in two sizes, 50c and \$1.00; postpaid.

Hess & Clark

FLY SPRAY—A good pyrethrum fly spray. ½ gallon, \$1.00; 1 gallon, \$1.75; F. O. B. Dallas.

INSTANT LOUSE KILLER—As prompt a killer as its name implies. 1-lb. can, postpaid, 30c.

PAN-A-MIN—A Poultry tonic and egg stimulator of national fame. 3-lb. pkg., 65c; 15-lb. pkg., \$2.25; 25-lb. pkg., \$3.50; postpaid.

ROUP TABLETS—Just a few of these fine tablets left. You know what they do to roup. Per package, postpaid, 50c.

STOCK TONIC—One of the best stock tonics on the market today. A real vitality and health builder. 3-lb. pkg., 65c; 5-lb. pkg., 85c; 10-lb. pkg., \$1.50; 15-lb. pkg., \$2.25; 25-lb. pails, \$3.50; 100-lb. drums, \$12.00; delivered.

WHITE DIARRHEA TABLETS—Another item of which we just have a few left and that everyone knows DOES THE WORK. Postpaid package, 50c.

VER-MI-TROL—A real wormer. 4-lb. pkg. (treats 40 hens), \$1.50; 10-lb. pkg. (treats 100 hens), \$3.25; postpaid.

Lee's Remedies

GIZZARD CAPSULES—An insoluble capsule which reaches the gizzard before it is ground up. Expels round worms and pin worms. Made in three sizes:

	Delivered Prices				
	50	100	250	500	1000
Chick size	\$.50	\$.90	\$2.00	\$3.50	\$6.00
Pullet size	.75	1.35	3.00	5.00	9.00
Adult size	1.00	1.75	4.00	7.00	12.00

GERMOZONE—A liquid germicide of much popularity. 4 oz. 40c; 12 oz. 75c; 32 oz. \$1.50; 1 gal. \$4.50; postpaid.

LEEMULSION (Formerly Flu-koff Emulsion)—A cough syrup to be fed in the mash. Used effectively with Vapo-Spray, or may be used alone. 12 oz. bottle, \$1.00; postpaid.

VAPO-SPRAY—A combination of healing oils to be sprayed in the air of the hen house at night. Breathed into the nasal passages, throat, windpipe and lungs, acts directly on the inflamed parts. 32 oz. 75c; ½ gal. \$1.25; 1 gal. \$2.00; postpaid.

Russell's Remedies

KORUM—A protection against roup, diarrhea and intestinal diseases. Tonic and germ killer. Used in the drinking water. ½ pt. 65c; pint \$1.00; postpaid.

REVENGE LICE DESTROYER—For direct application to the hen and use in nests, on roosts and in dusting boxes. 1½ lb. can, 65c; 3 lb. can, \$1.00; postpaid.

WORM-R—An expellent for all kinds of worms—a powder to be fed in the mash. Enough for 80 hens, 65c; enough for 160 hens, \$1.00; postpaid.

Germo Remedies

GERMO CHOLERINE (Tablets)—A tonic and vitality builder. Reduces death loss and increases egg production. 50 tablets, 50c; 120 tablets, \$1.00; postpaid.

GERMO CHOLERINE (Liquid)—The same tonic in liquid form. 1 tablespoon of liquid equivalent to 1 tablet. 16-oz. bottle, 65c; 32-oz. bottle, \$1.00; ½ gallon, \$1.75; 1 gallon, \$2.50; postpaid.

GERMO FORM 4X SPRAY—A spray for coughs, colds and bronchitis, to be sprayed in the hen house at night. Sprayed at first evidence of colds, usually avoids roup. 8-oz. bottle, 50c; 16-oz. bottle, 90c; postpaid.

Sanitation Control Imperative For Poultry Success

Hens cannot and will not lay when they are pestered by mites, lice, blue bugs or any poultry pest. This is not surprising when you realize that these pests literally suck the life blood from your flock. **Hens kept free from pests, in clean premises, given an ample**

supply of water, fed properly balanced, egg-producing foods and housed comfortably, will yield reasonable profits. The items listed on this page, used properly, will control your sanitation and most of your problems.

"Black Leaf 40"

Friend to Poultry People

KILLS POULTRY LICE

The simplest way known to kill poultry lice. All you need do is paint it on your roosts shortly before the fowls go in for the night. The heat from their bodies causes a slow release of fumes which penetrate the feathers and kill all lice and feather mites without discomfort to your fowls.

Black Leaf 40 does away with the need for individual handling. It does not interfere with egg production and it kills feather mites, as well as lice.

Apply one ounce to 12 or 15 running feet of roost or one pound to 200 feet of roost.

Black Leaf 40 is a poison and must be sent by express or freight. It is not accepted by the post office.

Postpaid Prices

Size		Size	
1 oz.	\$.35	2 lbs.	3.10
5 oz.	1.00	5 lbs.	5.85
1 lb.	2.10	10 lbs.	10.15
50 lbs.	\$43.00		

The Sure Germ Killer Deodorant

STERILAC
TRADE-MARK

STERILAC has overcome all disadvantages of other chlorine disinfectants and germicides. It comes in powder form—and you do not have to pay heavy freight charges on water which can be added just as well by you as by anyone else. Being in powder form, there is less possibility of deterioration when subjected to air than when held in suspended form in water. It may be used in either hot or cold water, whereas in the past, such germicides deteriorated when placed in hot water.

STERILAC is 45 times stronger than carbolic acid as a germicide, yet it can be used without danger of poisoning.

STERILAC is especially effective for colds, roup, chicken pox and infectious bronchitis.

Carbola Disinfecting White Paint

Made from white mineral pigment, finely ground, and combined with a disinfectant twenty times stronger than Carbolic Acid, but neither poisonous nor caustic to man, beast or bird. Kills germs, spiders and insects.

A disinfecting white paint, easily mixed with water, which can be applied WITH A BRUSH or sprayed on. Paints and disinfects, giving a smooth, white, creamy finish.* Adheres to any surface and does not blister, flake or peel.

Can also be used in powdered form as a dry disinfectant without causing moisture. In this form, it can be used in winter when it is not practical to disinfect livestock buildings with liquids. When mixed with water, one pound of Carbola is sufficient to cover 100 square feet.

Carbola is the finest thing for every house with a cellar.

Size	Postpaid Price	Size	Postpaid Price
5 lb. package	\$.75	25 lb. package	2.85
10 lb. package	1.25	50 lb. package	5.00

C-A Wood Preserver (Carbolium America)

KILLS MITES AND BLUE BUGS

The United States Government recommends a high boiled anthracene oil, known as carbolium, for the extermination of mites and blue bugs. There are many grades of carbolium offered the public and many of them are not carbolium at all but simply a creosote oil. The value of carbolium depends upon the slowness of evaporation and the carbolium we are offering has the lowest point of evaporation that we are able to get. It evaporates so slowly that one application each year of C-A Wood Preserver will absolutely protect your fowls from mites and blue bugs, providing the application is made according to directions which come on each can. It will pay you to use C-A Wood Preserver one time each year and insure yourself against blood sucking mites and blue bugs. One gallon is sufficient for an 8x12 house.

Delivered Prices:

1 Quart	\$.75	1 Gallon	2.00
1/2 Gallon	1.25	5 Gallons	8.50

Disinfectant--- Germicide

A one-pound bottle of **STERILAC** will make 480 gallons of sufficient strength for most purposes. Each gallon of solution will cost about one cent.

STERILAC is the most efficient disinfectant and deodorant for the dairy; the perfect sterilizer for the home. Write for Sterilac Booklets: "Sterilac for the Poultryman," "Sterilac for the Dairyman," "Sterilac in the Home."

Postpaid prices: 2 oz. bottle \$1.00; 8 oz. bottle \$2.50; 16 oz. bottle \$4.50; 5 lb. can \$18.00.

Sodium Fluoride

A POSITIVE LICE CONTROL RECOMMENDED BY THE U. S. DEPARTMENT OF AGRICULTURE

This frees poultry from lice when used as a dusting powder or dip. Also protects your home from roaches, flies, ants, etc. Whether this powder is dusted on your flock or the birds are dipped, you will find it will kill all the lice, provided the work is done right.

Size	F. O. B. Dallas
1/2 lb. can	\$0.25
1 lb. can	35c
5 lb. bags	1.25

PAR-I-NOX gets LICE and gets them NOW!

This lice destroyer will save many times its small cost in increased egg yield and it will positively demonstrate to your entire satisfaction in fifteen minutes. **LOUSY HENS COST MONEY—DON'T WAIT**, but rid your flocks now of these blood-sucking pests. **PAR-I-NOX** costs only two cents per hen per year and with this economical lice destroyer you eliminate spraying, dusting and dipping, hours of needless work. Just sift a small amount of **PAR-I-NOX** in the dust wallows, nests, dropping boards, and on the floor and then watch the dead lice start dropping off your hens. **Delivered prices:** 12 oz. 30c; 1/2 lbs. 50c; 3 lbs. 75c; 6 lbs. \$1.00; 25-lb. pails \$4.00.

From _____

P. O. _____

State _____

*Received by [illegible]
[illegible]
[illegible]*

MAGNOLIA SEED COMPANY

(POULTRY SUPPLY HEADQUARTERS)

945 SOUTH LAMAR ST.

DALLAS, TEXAS

YOUR FLOWER GARDEN

Is not complete without an assortment of Dahlias in all the varieties which grow in favor each year. They are easily raised and are among the most magnificent in coloring and size, of all other flowers. Given plenty of water they will bloom all summer long. Our roots are produced by a grower of national recognition, who has consistently won highest place in the flower shows of the East. We recommend these dahlias to you.

Dig the roots in the fall of the year and keep in dry warm place during the winter, replanting in the Spring.

Giant Dahlias

BASHFUL GIANT—One of the largest flowering decorative dahlias in existence. Its gigantic blooms are excellent for exhibition, not only because of size, but also for its beautiful coloring. An exquisite apricot with buff and gold tints. One of the best. A very free and continuous bloomer. 25c each, 3 for 65c; \$2.50 per dozen; postpaid.

ELIZABETH SLOCOMBE—The largest and best of its color. Its immense flowers produced on exceptionally long stiff stems. A strong vigorous grower. The brilliant purplish-garnet coloring makes it very effective in the garden. As flower matures, it fades to a lovely shade of garnet. 25c each, 3 for 65c; \$2.50 per dozen; postpaid.

GLORY OF NEW HAVEN—One of the most beautiful decorative dahlias grown. A pink mauve or silvery lilac. Its flowers are large size, and are produced with remarkable freedom on long stiff stems. A very sturdy vigorous growing plant. 35c each, 3 for 95c; \$3.50 per dozen; postpaid.

MRS. I. DE VER WARNER—A blossom of soft orchid coloring and unquestionably a dahlia of great merit. Its charming color, very large flowers, and long, strong stems made it the cynosure for all eyes at recent exhibitions. A lovely deep, mauve-pink, of perfect form, a true decorative type which is impressive in its very large size.—Extremely strong growing, very abundant blooming, and lending itself to either exhibition or garden uses with equal success. 25c each, 3 for 65c; \$2.50 per dozen; postpaid.

PRIDE OF CALIFORNIA—Mammoth rich "American Beauty" red; very tall vigorous grower, flowering continuously from early summer until late fall. Its perfectly formed flowers are produced on strong stems, well above the foliage. Decorative type. Exceptionally large. 20c each, 3 for 50c; \$2.00 per dozen; postpaid.

Favorite Dahlias

AMBER QUEEN—Very abundant flowering, long stiff stems, ideal for cutting, in very heavy demand for bouquets. An unusually beautiful combination of amber, beautifully edged apricot. Highly recommended. 20c each, 3 for 50c; \$2.00 per dozen; postpaid.

DARLENE—An exquisite shade of live shell-pink with a dainty blending of white at center. It is an early and continuous bloomer, excellent for florists' use. Flowers very uniform and perfect; are produced on long stiff stems well above the foliage. I can recommend this decorative dahlia highly for cut flower and garden purposes. 20c each, 3 for 50c; \$2.00 per dozen; postpaid.

FRANK A. WALKER—A fine decorative cut-flower dahlia, which is a continuous and abundant bloomer. Very good for cut-flower purposes. Good florists' variety. In color a beautiful shade of lavender pink, deeper pink at the center. 15c each, 3 for 40c; \$1.50 per dozen; postpaid.

Bashful Giant.

RENE CAYEUX—Always a favorite and one really deserving its popularity. This choice French creation is one of the most abundant flowering dahlias in existence, being literally covered with flowers until very late. It is one of the earliest and most continuous bloomers as well. In color, a rich clear glowing crimson-red. Highly recommended: one that will give satisfaction under all conditions. 35c each, 3 for 95c; \$3.50 per dozen; postpaid.

SOUVENIR de GUSTAV DOAZON—Large orange-red decorative. Very abundant and continuous bloomer. 15c each, 3 for 50c; \$1.50 per dozen; postpaid.

Would You Like Lilies in Bloom in Your Garden All Summer?

IT IS POSSIBLE FOR YOU TO HAVE THEM

The lilies listed below will give you an assortment which will bloom early in May and continue blooming until around frost.

Border Lilies

WHITE—6 to 8 inches high. Bloom all during summer until frost. Multiply rapidly. Flower star-shaped. Not fragrant. Each 10c, 2 for 15c, 75c per dozen; postpaid.

ROSE PINK—Sometimes called Fairy Lilies. Very effective for massing or borders. About 8 inches high. Flowers in great profusion during entire spring and summer. Also suitable for pot culture. Each 25c, \$2.75 per dozen; postpaid.

HYBRANTHUS—Clusters of red flowers, 10 to 12 inches high. Foliage green all winter. Blooms in September. Does well in dense shade or full sun. Each 20c, \$2.00 per dozen; postpaid.

Crinum Lilies

Good for brightening up dark corners. Very hardy and do not require any special cultivation. Will grow in partial shade or full sun. The following collection bloom at different periods during spring and summer, making them very valuable especially to florists.

PURE WHITE—Blooms May, June and July. 8 to 9 beautiful blooms on a stalk at one time. Foliage about 2 feet tall.

DELICATE SOLID PINK—Blooms July until frost. Very hardy. Will grow in partial shade or full sun. Very beautiful.

LAVENDER STRIPE ON WHITE GROUND—Blooms July until frost. 8 to 9 blooms to stalk. Very striking.

DEEP-SEA LILY—Long trumpets, light pink stripe. Very fine. Prices: Each 50c, \$5.00 per dozen; postpaid.

Hemerocallis (Double Orange Day Lily)

The picture shown on this page does not do justice to the beauty of the Double Orange Day Lily. No picture can do justice to it. It will grow in part shade or in full sunlight and when planted in rich soil, freely watered, will bloom all summer. Its flowers make splendid cut flowers and their deep orange beauty is appealing in the garden as well as indoors. Each 25c; per dozen, \$2.50; postpaid.

Hemerocallis.