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Barteldes Stringless
Green Pod Beans Pkt 5c

Sparkler Radish
Pkt 5

Pioneer Pea
Pkt 10c

Kansas Standard Tomato
Pkt 5c

Early Malcolm Sweet Corn
Pkt 10c

Barteldes SEEDS

1922

1c PAID
Lawrence, Kansas
Permit No. 2

Pride of Denver
Everbearing Strawberries
\$1.25 per doz. Post Paid

Peter, Peter Has a New Seed Book for You

PID you get your copy? There is one reserved for you—and if you say, we'll send one to each of your friends or another to you, if yours has become misplaced. Everybody seems to like my new book. Of course, my own picture is on the cover, but more important is that of my good wife—in her pumpkin shell home by the side of the corn stalks. I am so glad to greet all of the little kiddies in the thousands upon thousands of homes I visit in this book. Of course, I like their daddies and mothers, too, and I feel I am related to you because we all plant Barteldes Seeds. And, remember that you can get a whole book of pretty pictures and lovely verses free. You'll find more about this on page sixteen of this book.

(Signed)

PETER, PETER.

F. W. Barteldes, President
and General Manager

Barteldes

SEEDS

**Vegetable, Flower, Farm
at New Low Prices**

PRICES of everything have got to come down. We realize that. So we have made our prices accordingly. Yet we had held up the quality of our seeds to the Barteldes standard—the best vegetable, flower and farm seeds since 1867.

So this year a money-saving satisfaction comes to those thousands upon thousands of farmers, suburbanites, truck gardeners, and home owners who plant Barteldes Seeds. Your labor in preparing the soil, planting the seeds and caring for that garden will be mighty healthful fun—and will bring you a goodly supply of the finest quality fresh vegetables—and save your grocery bills.

It is not enough to plant good seeds. Plant the best for after all there is but little difference in the cost of even the poorest seed and Barteldes—yet the difference in crop results is big.

There are four reasons for planting Barteldes seeds.

- 1st. They will grow because they are carefully tested for germination.
- 2nd. They will be true to name because our fifty years seed experience has taught us how to select and grow seeds. (We maintain our own trial grounds at Lawrence and at Denver where we test all varieties to make sure they are true to type and high pedigree before we sell them).
- 3rd. We fill your orders promptly, correctly, and satisfactorily—the same day they are received, except in our busiest season when we may get a day or two behind. Should we make an error, we are always ready to correct it. Each lot of seed carries its own stock number and this number

is put on each order. So we can tell the germination, pedigree, and all facts about every lot of seed used. We allow you to examine seeds on arrival, test them, and if not satisfactory, you are privileged to return them in ten days and your money will be refunded.

- 4th. You know you are sending your money to a reliable and a responsible company when you send orders to Barteldes. R. G. Dunn's latest report gives our rating AA-1 which means our financial strength is from \$500,000.00 to \$750,000.00 and our credit "high."

We await your orders.

F. W. Barteldes

F. W. Barteldes, at the right, and associates inspecting crop of Barteldes Golden Wax Beans.

Wild Goose Plum

The old well-known and popular variety. The plums are of good size, are clear red color with blue bloom. They are sweet and very juicy but not hardy in the north. They ripen toward the end of July.

	Each	Per 10
Wild Goose Plum, 5 to 6 feet.....	\$1.25	\$11.00
Wild Goose Plum, 4 to 5 feet.....	1.15	10.00

Planting for a Screen or Background of Shrubs

This plan makes a dandy way to plant shrubs for a back-ground to your yard or to hide a garden, chicken yard or any unsightly spot. These shrubs grow to a height of six to seven feet.

- No. 1—Spirea Anthony Waterer.
- No. 2—Spirea Van Houtel.
- No. 3—Snowball.
- No. 4—Mock Orange.

This plan calls for 11 shrubs and we will furnish these for \$5.50 f. o. b. our store. If wanted by mail please add postage for 8 pounds.

Plant Fruit Trees, Berry Bushes, Shade Trees and Shrubs This Spring—Prices Are Lower

If you have been waiting for lower prices on Fruit Trees you need wait no longer. Our prices are reduced.

No doubt you had planned to set out a few fruit trees and berry bushes, or perhaps some shade trees and shrubs to make your place more homelike. Don't put this off again. Every time you put it off you lose just one year.

Every home should have a few fruit trees, berry bushes, shade trees and shrubs. We quote a few prices here and refer you to pages 81 to 90 of our General Catalog for descriptions and prices of a complete list of nursery stock.

Most nursery stock is sold by salesmen who make personal calls on the purchasers. In these times of high railroad fares, high hotel rates, etc., you can well imagine that it costs a lot to sell in this way. Obviously this extra expense must be added to the selling price: We do not send out agents and therefore can sell at much lower prices.

Another point. In sending your orders to us you know that you are dealing with a reliable house. If something goes wrong you know just where to find us. But in buying from an agent you do not know what you may expect. The house he represents may be first class but also it may be some irresponsible house that you never heard of and may never hear of again.

Play safe and buy your nursery stock with care.

The prices we give below include packing but not transportation charges. These must be paid by the purchaser:

	Each	Per 10
Apple Trees, 5 to 6 feet.....	\$0.75	\$ 7.00
Cherry Trees, 5 to 6 feet.....	1.50	14.00
Plum Trees, 5 to 6 feet.....	1.25	11.00
Peach Trees, 5 to 6 feet.....	.75	7.00
Pear Trees, 5 to 6 feet.....	1.25	12.00
Apricot Trees, 4 to 5 feet.....	1.10	10.00
Elm Trees, 6 to 8 feet.....	1.20	11.00
Box Elder, 6 to 8 feet.....	1.15	10.00
Ash, 6 to 8 feet.....	1.25	11.00
Concord Grapes.....	.20	1.75
Downing Gooseberries.....	.30	2.50
Snowball Bushes.....	.50	4.50

✓ Perfection Currant

We consider the Perfection the best Currant both for market and home consumption. The berries are large and bright red and make the finest kind of jelly. They have a rich, mild, sub-acid flavor with plenty of pulp. They are borne on long clusters and the size of the berries is very uniform.

Two-year-old plants, each 40c; 5 for \$1.90 and 10 for \$3.50.

Barteldes Home Garden Collection of Small Fruits

5 Perfection Currants	\$1.90
25 Everbearing Strawberries	.75
10 St. Regis Raspberries	1.00
5 Early Harvest Blackberries	.30
5 Downing Gooseberries	1.25
5 Concord Grapes	1.00

\$6.20

Special price, packed, f. o. b. our store for \$5.75. If wanted by mail please add postage for 6 lbs.

Perfection Currant

STIM--PLANT

PLANT STIMULANT TABLET

Trade Mark Registered U. S. Patent Office.

A plant food in tablet form. The most modern, efficient and scientific method of fertilizing plants. Stim-U-plant Tablets are designed for use by all who grow plants—home gardeners, market gardeners, small fruit growers, fruit growers, florists and farmers. Their most valuable use is in feeding the growing plants. They have no odor and are especially recommended for house plants.

Trial size, 15c; small size, 25c; 100 tablets, 75c; each size postpaid.

Crimson Giant Globe Radish

New York or Wonderful Lettuce

Immense, solid heads. Blanches beautifully. Crisp, tender and free from bitterness.

If you want to grow the biggest, the tenderest and most delicious head lettuce plant New York or Wonderful. This is the variety used by nearly all commercial growers and is what you buy in high class markets. These fine, large heads are not difficult to produce when you sow New York or Wonderful.

Sow the seed early in the season and transplant when they are about two inches high. Set them far enough apart so that each plant has plenty of room in which to develop. Stim-U-Plant tablets will help produce those large, tender heads.

Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

Crimson Giant Globe Radish

All small, red radishes are delicious when of small size but most of them get pithy very quickly and cannot be left to grow to larger size.

The Crimson Giant Globe is the one radish that will grow to a large size and still remain solid, crisp and tender. It is equally valuable for out-door planting or indoor forcing, as it matures in a very short time.

Sow the seed thinly to give each radish plenty of room. A luxuriant growth of tops does not necessary mean good roots. Most people sow radish seed much too thickly.

Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 85c.

New York or Wonderful Lettuce

The Home Garden—Where Luxury Is Economy

The home garden is one place where luxury and economy go hand in hand.

There is no greater table luxury than nice, crisp vegetables fresh from the garden, and the garden is one of the greatest agents of economy. Nothing in the world is easier to have and to hold than a garden patch which produces food of a quality such as cannot be secured on the market—from the earliest radishes in the spring until the squashes, turnips, cabbages, etc., have been harvested in the fall.

For a minimum expenditure of money and a small amount of good healthy exercise you can produce fine vegetables right in your back yard so that all you will have to do will be to step out of your kitchen and gather them for your table.

Be An Early Bird

To gain full value of vegetables in a money way, they must be given an early start so that they may be used while they are still high priced in the market. It is no trick at all to get the jump on the season. Radishes and lettuce as well as spinach can be planted out when it is still quite frosty.

Cabbages, cauliflowers, kohlrabis and even sweet corn can be started in the kitchen window. Our Garden Guide tells you how to do this.

Get an early start so you can have radishes while your neighbor is just planting his seeds, young onions a few weeks before the more laggard gardeners, green peas in early May, lettuce before it gets so hot that it won't head, and so on down the line.

It's the early bird that gets the best vegetables.

Seeds may be sprouting and growing along while the gardener is getting his soil ready. No plot of ground is too small, even a ten by ten space will yield a supply of vegetables that will make quite an impression on the expense account.

Pride of Denver Everbearing Strawberry

The real all-season Strawberry and is best described as being a greatly improved Superb. The fruits and plants are both larger than the Superb. The berries are firm, keep well, and of the most delicious flavor. All who have seen it are enthusiastic in their praise.

Price is \$1.25 per dozen, postpaid, and the supply is very, very limited. They will be mailed from Denver, Colo., where we grow them.

Hubam Clover

“It does in one season what alfalfa or the old sweet clover requires two years for doing. It will make a faster and stronger growth than other plants yet well tested in this country. We firmly believe that Hubam Clover is the most useful manurial plant ever introduced on the Atlantic slope.”—Editorial, Rural New Yorker, June 18, 1921.

Here's Good News

You can now buy Nitragin at the greatly reduced price of \$1.00 for a can sufficient to inoculate one bushel of seed.

HUBAM CLOVER—The Wonder Crop

Hubam Clover has been given a great deal of publicity and in reading about this new clover three questions have come into your mind.

1. What is Hubam Clover?
2. What is its value?
3. What will it do for me?

1. Hubam is a very vigorous and rapid growing annual white blossom sweet clover which was discovered at the Iowa Experiment Station in 1916 by Prof. H. D. Hughes, Chief of Farm Crops Department.

In the first comparison with other clovers at the Iowa Station in 1917 it made the remarkable growth of 4½ feet, while medium Red Clover beside it under exactly the same conditions made a growth of 5 inches, and common Sweet Clover 14 inches. Since that time many nine and ten-foot growths have been reported.

2. Hubam is valuable—as a hay crop—as a hay and seed crop—as green manure—as pasture—as a honey plant.

Its luxuriant growth makes it a wonderful hay crop. Imagine a field of sweet clover which is nine feet tall at the end of the season and it will not be hard for you to appreciate the value of Hubam as a hay crop.

If the first hay crop is cut early Hubam will still make a seed crop on the second growth. Owing to the great demand for Hubam the price of the seed will no doubt be quite high for several years. The yield is from 4 to 10 bushels per acre. After the seed crop is taken off the straw and stubble can be plowed under for fertilizer.

It is as a green manure crop that Hubam will no doubt be of greatest value. Many of our soils need nitrogen and organic matter, both of which can be supplied cheaply and easily with Hubam. It takes nitrogen from the air and its remarkably rapid growth supplies a great amount of organic matter in a short time.

It makes nutritious pasture for cattle, sheep and horses.

As a bee plant it is a wonder. Begins to bloom in from eight to twelve weeks after seeding and the quality of Hubam honey is unsurpassed.

3. WHAT WILL IT DO FOR YOU?

That depends upon what kind of farming you are doing.

If you want a big yield of hay, a valuable seed crop, or fine pasture Hubam will provide it in one season.

If you practice crop rotation (and every farmer should) to keep up the fertility of your soil, Hubam will save just one year in your plan of rotation. If you sow Hubam in your wheat or other small grain it will make a crop of green manure which you can plow under that same fall. With red clover you must wait until the following fall.

The standard one corn, two corn, three oats and four clover rotation can now be changed to one corn, two corn, three oats and Hubam. The Hubam can be sown in the oats and then plowed under in the fall.

If you are a bee keeper you need look no further. Hubam is a veritable “Bee Paradise.”

Be sure you try some Hubam this spring. If you are skeptical about the value just try it on a small scale as an experiment. See our Pink List for prices.

A Good Plan for a Round Flower Bed 7 to 9 Feet in Diameter

blow from the digging tool merely cleaves it at the point of contact, don't dig any more. It is too wet. Don't start digging until the soil is sufficiently dried out to break up easily. Nothing is gained by too much speed. If it is so wet that you leave a track, wait a bit. Your plants ought to be waiting in boxes, to be transplanted, at least a good portion of them, or in a hotbed or cold frame. Wherever your foot sinks in, the soil is packed, and gives the makings of a lump or clod.

If spaded or forked over while too wet, you are bound to have a lot of lumps that will be troublesome, and you cannot give the soil proper tilth for seed sowing or for young seedlings to be transplanted. The ground is in condition to be worked when it will break up readily. Don't start before that time.

Kolb Gem Watermelon

An Attractive and Economical Flower Garden of Easy Culture

A handsome round flower bed can be made very easily and very cheaply by following this plan. In the center is one tall red canna, then six dwarf yellow cannas, then a row of Barteldes Colossal Zinnia, then a row of Dwarf Nasturtiums. All hardy and easy to grow.

A—1 Pennsylvania Canna	\$0.15
B—6 Yellow King Humbert Cannas.....	.65
C—2 Pkt. Barteldes Colossal Zinnia.....	.30
D—1 oz. Dwarf Mixed Nasturtiums.....	.15

Postpaid\$1.25

A GOOD BORDER

A very attractive border for a path, walk or driveway can be had very easily by planting Four O'Clock and Sweet Alyssum. The Four O'Clock makes a compact bush or miniature tree from two to three feet tall, varying with soil, and is covered with blooms until cut down by hard frost. The Alyssum makes a solid sheet of white and a fine combination with the Four O'Clock.

There is no flower of easier culture than the Four O'Clock. It opens late in the afternoon and closes as soon as the sun gets hot. On cloudy days it remains open later. It gives a variety of color, ranging from white striped, pink, magenta scarlet and through pale to deep yellow. It is really a perennial, and its thick, fleshy roots may be dug in the fall, and wintered like dahlias, but it grows so easily and quickly from seed, this is hardly worth while.

When Is Soil Ready to Work?

Get busy as soon as the soil is in condition to be worked. This is the commonest advice to gardeners, but it has a kickback. When is the soil in condition to be worked? Not just because the frost is out of the ground. It is a temptation to swing the fork or spade, but wait. Try only one spade or forkful. If it turns over all in one piece, and a

Barteldes Stringless Green Pod Bean

A bush green pod bean that is hard to beat. It is a week or ten days earlier than other stringless varieties, the plants are small, bushy, very erect and bear heavily. The pods are about 4½ inches long, straight, bright green, well rounded, stringless and of fine flavor. They are oval round through cross-section and contain five or six seeds.

Pkt., 5c; ½ lb., 15c; lb., 30c; 5 lbs., \$1.25; 10 lbs., \$2.25. Postage extra.

KOLB GEM WATERMELON

One of the old favorites. The melons are large, round to slightly oval and marked with irregular mottled stripes of dark and very light green. Flesh bright red, extending to within half an inch of the rind, always solid, very firm, a little coarse but sweet and tender. A good keeper and shipper.

Pkt., 5c; ¼ lb., 30c; lb., 80c.

MIXED WATERMELON SEED

A special of many good varieties. Oz., 5c; ¼ lb., 15c; ½ lb., 25c; lb., 45c. Postpaid.

Barteldes Stringless Green Pod Beans

A Garden of Annuals for A Wealth of Cut Flowers

A Perennial Garden for Border of Grounds

If you own your own home by all means plant perennials. They will multiply, thrive and bloom for years to come. Not only do they greatly improve the looks of your home but they furnish beautiful bouquets throughout the season.

The best and quickest way to start them is to set out the plants or roots in the spring. They should be set about a foot apart and as they spread quite rapidly they will soon form a very dense growth. After a few years you can supply your friends with roots.

The plan outlined above is for a background to your lawn or it could also be used to hide any unsightly portion of your grounds. It would be very effective on farms where it could be used to hide the chicken yards, pig pens, etc. You would be surprised to see how much more attractive your farm would be if the unsightly portions were hidden from the house, and you would be still more surprised

**BARTELDES
COLOSSAL ZINNIA**

The Zinnia is without question one of the best annuals for the middle west. It will thrive under the most adverse conditions and blooms until frost.

The flowers of the Colossal Zinnia are of immense size and of many brilliant colors. They are fine for bouquets and just as easily grown as the common kind.

Pkt., 15c; 3 pkts., 30c.

Adjusto Plant Support

Here is the simplest, strongest and most efficient plant support we have ever seen.

It is well made and can be instantly adjusted to any height. It can be adjusted as the plant grows without disturbing the plant. It is indispensable for Tomatoes, Roses, Peonies, Dahlias, Carnations and other plants needing support.

	Each	Doz.
Three foot stake.....	\$0.17	\$2.00
Four foot stake.....	.20	2.25
Five foot stake.....	.22	2.50
Eighteen inch stake....	.10	1.10
Twenty-four inch stake	.12	1.25

The small sizes are for flower pots and potted plants. Postage is extra. The larger sizes weigh about one pound each and the smaller sizes $\frac{1}{4}$ lb. each.

to learn how much money value this would add to your place.

The plan sketched above requires as follows:

- (1) 12 Iris Plants.
- (2) 10 Hardy Phlox.
- (3) 12 Sweet William.
- (4) 9 Foxglove.
- (5) 12 Coreopsis.
- (6) 12 Larkspur.
- (7) 12 Gaillardia.
- (8) 12 Shasta Daisy.

This collection at regular prices comes to \$17.50. We make a special offer to furnish this list of perennial plants postpaid for \$16.25. This would be an investment which would pay you dividends for years to come.

Beans as Ornamental Vines

During the war gardening campaign, one Chicago housewife had a brilliant inspiration which resulted in a permanent institution. She grows pole beans on her back porch. Golden Cluster Wax Beans, 5c per packet, $\frac{1}{2}$ lb. 25c, lb. 40c, postpaid.

A Beautiful Porch Screen of Cypress Vine

Cypress Vine

One of the most beautiful porch screens we have ever seen was the one pictured above. Cypress Vine was planted at the foot of the porch and trained straight up on strings about four to six inches apart.

Cypress Vine is a tender annual growing to a height of about 12 feet. It bears an abundance of small scarlet and white flowers. Pkt., 10c.

How to Grow Big Prize Winning Dahlias

To get the biggest Dahlias you must first of all plant the right varieties. If you want the very best plant a few of these varieties. La Grande Manitou, 50c each; D. M. Moore, 50c each; Attraction, \$1.00 each; Laura Barnes, 50c, postpaid. For description of these and other Dahlias please see page 74 of our catalog.

Plant the roots in good soil and after the buds have appeared permit only one or two flowers to develop on each plant. All other buds should be removed as soon as they appear.

When the buds form, throw up a ridge of earth, making a ring around each plant three or four feet in diameter and give a good supply of liquid manure. The ridge of each will confine the liquid fertilizer so that none of it will be wasted.

Barteldes Alfalfa

Are You a Miner or a Farmer?

The farmer takes his crops off of the land and usually hauls a large share of them to market in one form of produce or another. If he continues this practice without putting back the elements he takes from the land he is selling the farm itself, piece by piece. This is not farming but mining.

The successful farmer sells things from his farm without selling the farm itself. The final test of good farming methods is big yields without the loss of natural fertility of the soil and without the application of artificial fertilizers. Experience has shown that to meet the exacting demands of this test certain crops must be extensively grown. These crops are called legumes and the leader among these is Alfalfa.

The three important elements of plant food are phosphorous, potash and nitrogen. Phosphorous and potash are put back in decaying vegetable matter and deep rooted plants bring them up from the sub-soil below.

Nitrogen is the element which causes the growth of leaf, stem and stalk. Without it there would be no growth. Crops remove it in large quantities, it escapes in gas, and water leaches it away.

Fertilizers contain a very small per cent of nitrogen and this makes it very expensive to buy.

Yet—there rests on every acre of ground, rich and poor alike, more than thirty-seven thousand tons of it. This nitrogen in inexhaustible quantities is in the air. For years men have tried to take this nitrogen from the air and put it into the soil—but from a commercial standpoint they have failed.

But nature has provided a very simple way of putting this portion into the soil. Certain bacteria have the ability to convert the free nitrogen of the air into such form as makes it available for plant food. These bacteria live on the roots of Alfalfa, clovers and other legumes but not on other plants.

Therefore if you wish to put nitrogen into your soil you can do so easily and economically by sowing Alfalfa.

Alfalfa is the Most Profitable Crop on the Farm

In speaking of Alfalfa Mr. J. C. Mohler, Secretary of the Kansas State Board of Agriculture says, "As a tame hay plant it stands supreme in longevity, yields, feeding value, soil building and economy, and in adaptability to wide variation of soil and climate."

It has been proven that Alfalfa can be successfully grown in practically every state in the union. Nearly every farm has some land that will grow Alfalfa.

To grow Alfalfa successfully you need; 1st, seed of good quality; 2nd, well drained soil; 3rd, soil of average fertility; 4th, soil free from acidity; 5th, a carefully prepared seed bed; 6th, lime (if soil is acid); 7th, some special care the first season; 8th, the necessary bacteria.

We know of no crop which will, when once established, give such constant and profitable returns as will Alfalfa. It is not uncommon to continuously harvest crops from the same seeding for from ten to thirty years. The yields per season are astonishing as it produces from three to five crops per season and from 2 to 5 tons of dry hay per acre. The protein content or feed value of Alfalfa is very high. On a test at the New Jersey Experiment Station Alfalfa produced 2,214 pounds of protein per acre as compared to 616 pounds for Red Clover. The Wisconsin Experiment Station reports "In total yield of protein per acre Alfalfa produced three times that of Clover, nine times that of Timothy, and twelve times that of brome grass."

In growing Alfalfa as compared with other crops there is an immense economy of labor. The work of seeding Alfalfa is done only once in several years and this also makes a big saving in the cost of the seed.

Not only does Alfalfa produce profitable crops but it also improves the soil on which it is growing. When inoculated it takes nitrogen from the air and puts it into the soil. It's very long and deep penetrating roots bring up potash and phosphates from the deep sub-soil. Positive proof of the fertilizing value of Alfalfa is shown in a test made at the Wyoming Experiment Station. Wheat following Alfalfa made 30 bushels per acre and following other crops but 18; Oats following Alfalfa made 78 bushels and following other crops but 37; Potatoes following Alfalfa made 81 bushels and following other crops but 52.

One seeding of Alfalfa lasts several years, therefore it is utmost importance that this one seeding be done properly. You want a good stand and you don't want weeds.

Young Alfalfa plants are extremely delicate. They are sensitive to competition with weeds at this period and they are also dependent upon a fine, firm texture of soil in order to secure a foothold. One very important point in preparing a seed bed is that alfalfa should not be seeded on land that has been recently plowed or before the soil underlying the top soil has become thoroughly firmed or settled. Five or six weeks time is required for the soil to settle so that capillary action between the soil lying above and that lying below the plow line may be re-established. Between the time of plowing and seeding the field should be thoroughly pulverized to a depth of three or four inches and then harrowed and re-harrowed as often as possible. This provides a good surface mulch which hinders evaporation. The ground should be planked or rolled immediately before and after seeding. A good smooth field makes mowing and hauling much easier.

The quality of seed is always very important, but due to the fact that one seeding of Alfalfa does for a good many years the quality of the seed is of greatest importance.

You want a good stand, a clean stand, and one that will endure.

You can't get a good stand by sowing seed of poor germination. Be sure that the seed you sow is plump, new and of good germination. If you are in doubt, have it tested.

Be sure that your seed is free from bad weed seeds. Otherwise your fields may become infested with noxious weeds which will not only damage your crop but may cause you a great expense to eradicate them. If you are in doubt, have it analyzed.

Much seed has been imported from Europe during the past few years. Some of this is hardy and satisfactory but much of it comes from southern Europe and this winter-kills in our climate. Insist on native seed.

Play safe on your Alfalfa Seed. If you will buy our Sunflower Grade you will get seed that will be satisfactory in germination, purity and endurance. The difference in cost between good seed and doubtful seed is only a few cents per pound and when you consider that one seeding lasts for a good many years you really cannot afford to take a chance on the quality of your Alfalfa Seed. Get the best.

You Can Now Buy Nitragin for One Bushel of Seed for \$1

At this extremely low price no farmer can afford to sow Alfalfa, Sweet Clover, Red Clover, any Clover, Vetch, Cow Peas, Soy Beans, and no gardener should plant Beans or Peas without using Nitragin.

Legumes have the power to add nitrogen to the soil but they can do this only when the necessary bacteria are present in the soil. The Alfalfa bacteria may be in the soil in which you intend to sow your Alfalfa and they may not be there. If the bacteria are not there you will get a good stand but the growth will never be vigorous, the yield will not be heavy and but little nitrogen will be put into the soil. And then again, the bacteria may be present but not in sufficient quantity to give the desired results.

If you want to be sure of the most vigorous growth, of the heaviest yields and of the greatest addition of nitrogen to the soil, inoculate the seed before sowing. This new and greatly reduced price brings the cost of inoculation down to from 20 to 33 cents per acre. If your alfalfa field remains only six years the cost of inoculation is from 3 to 6 cents per acre per season. This cost is so low that it need hardly be taken into consideration. The application of Nitragin is very simple and takes but a few minutes.

We have one report where inoculated Alfalfa produced three tons of hay per acre more than non-inoculated Alfalfa. Let us suppose that this is an exceptional case, perhaps it is, and let us suppose that you do only one-tenth as well. This would be a gain of 3/10 tons of hay per acre through the use of inoculation. Is 3/10 ton of Alfalfa hay worth six cents to you? If it is, then use Nitragin on your Alfalfa, Clovers, Vetches, Cow Peas, Soy Beans, Peas, Beans and Peanuts.

New Prices of Nitragin (Postpaid).

Bushel size, (any crop).....	\$1.00
Half bushel size, (any crop).....	.55
Garden size, (Peas, Beans or Sweet Peas).....	.15

Be sure that you state on what crop you plan to use the Nitragin.

A New Entry in the Annual Race for Early Roasting Ears

There is always a friendly rivalry to see who can produce the largest tomatoes, the best head of lettuce, and so on, but the real competition in every neighborhood is in the Roasting Ear Race. This is an annual, free for all, no favor shown event.

Perhaps neighbor Jones has had the edge on you during the past few seasons. Here is your chance to get even. Plant some Early Malcomb and leave neighbor Jones at the post.

Early Malcomb is the earliest of all Sweet Corn. Two weeks earlier than Golden Bantam and Extra Early Adams. It was originated and developed in Canada where the seasons are extremely short.

It produces a slender stalk only three and a half feet high and the ears are borne but 15 inches from the ground. The ears average 6½ inches long, contain eight to ten straight rows, are tender and of delicious flavor.

Our supply is very limited and we offer it in small quantities only.

Order early if you want some this delicious record breaking corn. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c; postpaid.

Barteldes Early Blood Turnip Beet

We consider this our best all purpose beet. It is good for main crop, spring crop or summer crop and is an excellent keeper. It is very early, deep blood red and almost round. It cooks sweet and crisp. You'll like it.

Pkt., 5c; oz., 10c; ¼ lb., 30c; lb. \$1.00; postpaid.

The Model Farm

The Chicago, Rock Island and Pacific Railway Company, with the help of Jewell Mayes, Missouri's Secretary of Agriculture, has been compiling data on farm management. Since the territory surveyed is about average for the whole country, it is interesting to see what the experts say about the model farm, containing 160 acres, and the livestock combination which may be supposed to prove most profitable.

On a Central Missouri farm of 160 acres you should have: Three hundred laying hens; ten good dairy cows; five selected brood sows; forty head of breeding ewes; a complete garden for vegetables and berries; a fruit orchard and vineyard.

A man doesn't have to be an expert agriculturist to know that a farm equipment as above would be a profitable and successful plant, taking it for granted that the system of cropping and rotation provided feed and pasturage for the stock listed above. Of course sufficient work stock, tools and equipment would be necessary. And plenty of help.

Early Malcolm Sweet Corn

SCIENCE HAS DONE WONDERS

But in spite of all the wonderful things done by scientists during the past fifty years you'll notice that we still have to out to the old fashioned garden to gather a mess of beans, peas, radishes, etc. And we still have to go out to the old corn field to bring in the pumpkin for Thanksgiving pie.

Barteldes Early Blood Turnip Beet

Choice Everblooming or Hybrid Tea Roses

Price, any variety listed below, 30c each; 3 for 85c; per dozen, \$2.88. Strong, 2-year plants, 75c each; 3 for \$2.10; per dozen, \$6.24.

American Beauty. The most famous of American Roses. Rich color and delicious fragrance. It is the sweetest of all Roses. In color, deep, brilliant red, shading to a rich carmine crimson.

Pink American Beauty. The flowers are large and double, and have a fragrance that is unexcelled. A companion for American Beauty.

Senator Mascurang. Magnificent golden-yellow, indescribably rich and beautifully shaded. Flowers are large and fragrant.

Rosemary. The flowers are a beautiful shade of silvery pink; still stems and showy foliage.

Rhea Reid. At Paris this Rose was awarded the Gold Medal of the municipality as the finest Rose among eighty-four sorts tested. Color beautiful rich crimson.

Killarney. Flowers remarkable. Buds are large, long and pointed. Color is ex-

Cannas

The new large flowering Cannas are so far ahead of the old fashioned bedding cannas that you can scarcely put them in the same class. The Canna has always been a most satisfactory garden plant but now it is excellent for cut flowers also. It is very easily planted, requires practically no care except watering and can be used in many different ways.

A beautiful background for your yard or an effective screen can be made by planting a row of Cannas, Zinnias in front of the Canna, and Dwarf Nasturtiums in front of the Zinnias. All of these are very hardy and produce an abundance of flowers with very little attention. The same plan can be used for a round bed. Put four or five Cannas in the center.

We offer below a few of the most beautiful and most satisfactory of the new, large flowered varieties. You will find descriptions of these in the general catalog.

King Humbert. Red flowers, bronze foliage.

Louisiana. Red flowers, green foliage.

Pennsylvania. Red flowers, green foliage.

Austria. Yellow and red flowers, green foliage.

Wyoming. Orange flower, bronze foliage.

Chas Henderson. Crimson flowers, green foliage.

Mile. Berat. Pink flowers, green foliage.

Any of the above at 15c each, \$1.50 per dozen.

Yellow King Humbert. A beautiful novelty with Yellow and red flowers and dark green leaves. Fine for cut flowers. 20c each, 3 for 50c, \$1.75 per dozen.

Large flowering, mixed, 6 for 65c; \$1.20 per dozen.

Tall bedding Cannas, 6 for 50c; 80c per dozen.

ROSES

quisite, a brilliant imperial pink, almost sparkling, and beautiful beyond description.

My Maryland. Does remarkably well in open ground. Large full double flowers, a pleasing shade of salmon-pink. Distinct and beautiful.

Clothilde Soupert. A Rose that is actually never out of flower from May until frost. Will out-bear any Rose we know of. Flowers shell-pink, shaded silvery rose.

Hardy Climbing Roses

Unexcelled for covering porches, trellises, arches, etc. Price, any variety, 30c each; 3 for 85c; per dozen, \$2.88. Large, 2-year plants, 70c each; 3 for \$2.00.

Climbing American Beauty. Same color, size and fragrance as American Beauty, with the addition of the climbing habit. Will produce 20 times as many flowers during June as American Beauty. A brilliant red.

Thousand Beauties or Tausendschoen. The name is very appropriate in describing its delightfully varying shades of color, from bluish white to deep pink, in clusters covering the foliage.

White Dorothy Perkins. A counterpart of Dorothy Perkins in everything except color. Exceptionally fine.

Crimson Rambler. The most popular of all outdoor Climbers. Reaches a height of 15 to 20 feet a season, bearing clusters, which completely cover the bush of from 20 to 40 flowers. Very hardy.

Shower of Gold. Flowers deep golden-yellow and orange. Foliage has high metallic luster.

Blue Rambler. A distinct novelty. A hardy Rambler Rose of steel-blue; flowers borne in clusters. The yellow stamens make it very attractive.

Moss Roses

These are probably a sort of the Cablage Rose. The origin of the double Moss Rose is left to conjecture. They have always been favorites, for what can be more elegant than the bud of the Moss Rose and more delicious than its fragrance. Perfectly hardy. Price, 35c each; 3 for \$1.00; dozen \$3.36. Two-year plants, 75c each; 3 for \$2.10.

Elizabeth Rowe. This is an old favorite with its large deep pink buds well mossed. A beauty.

Henri Martin. Large, full flower of deep red; well mossed; fragrant.

Mousseline. Pure white flower, buds heavily and beautifully mossed.

Hardy Hybrid Perpetual Roses

Price, any of the varieties listed below, 35c each; 3 for \$1.00; per dozen, \$3.36. Strong, 2-year plants, 75c each; 3 for \$2.10.

Madame Plantier. Extremely hardy; completely hides itself in June with its lovely, pure white, sweet-scent flowers.

White American Beauty. Snow-white flowers four to five inches across, deliciously fragrant. A prize winner.

Clio (The Peony Rose). Flesh color, shaded in the center to rosy-peach. Large, fine, globular form; free bloomer.

General Jacqueminot. The famous "Jack Rose," widest known of all and everybody's favorite—doing well anywhere. A brilliant shining crimson.

Gloire De Lyonnaise. The only Yellow Hybrid Perpetual. A pale salmon-yellow, deepest in the center, passing to a rich creamy-white tinged orange.

Paul Neyron. The largest of all Hybrid Perpetual Roses. A beautiful deep rose color, always fresh and clear.

Conrad F. Meyer. Perfectly hardy. The flowers, which are four inches across, are borne all through the summer and fall. Flesh pink, with bright red center.

Climbing Tea Roses

Climbing Roses that bloom the summer through, (require protection during the winter months in the northern states).

Price, 35c each; 3 for \$1.00; dozen, \$3.36. Two-year plants, 75c each; 3 for \$2.10, dozen, \$6.24.

Climbing Clothilde Soupert. Identical with Clothilde Soupert except a vigorous climber.

Climbing Testout. A rampant climber. In flower identical with Mme. C. Testout. Beautiful glowing pink. You can't beat it.

Climbing Meteor. A grand climber; color velvety maroon; very free bloomer.

Marchal Niel. This is the old standby yellow Rose in the South, where it is hardy; indeed, it will bloom in any garden, but is not hardy in the North. Immense deep golden-yellow flowers with the deepest, richest tea fragrance of all Roses.

Reine Marie Henriette. Deep cherry-red. This Rose takes the lead as a climber from New Orleans to Philadelphia.

SUDAN GRASS

THE CAMEL OF THE GRASS FAMILY

Sudan Grass was brought into this country by the U. S. Department of Agriculture to help solve the feed problems of farmers living in the dry sections of Texas. In five years the acreage in Kansas alone jumped from almost nothing to 108,644 acres. Sudan made good in a hurry.

If you have ever gone through a period of extreme heat and drought you know what the feed problem is at such a time. Here is where Sudan is a life-saver. The grass is acclimated to dry weather and keeps right on growing when other grasses shrivel and die out.

Not only can Sudan stand dry weather but it also does well under irrigation. Yields as high as 7½ tons per acre have been reported.

The seeding cost of Sudan is very low. For a seed crop from 2 to 4 pounds are planted per acre. This makes the seed cost from 9 to 18 cents per acre. When drilled for hay or pasture from 15 to 25 pounds are used making the cost from 70 cents to \$1.12 per acre.

We grow Sudan on a very large scale and can at all times supply you first class, clean seed at lowest market prices. See our Pink List for the latest price.

If you want to be sure of a good supply of hay, buy some good Sudan Seed, wait until your soil is thoroughly warm and then either plant it in rows about 3½ feet apart and cultivate or drill it in. It will give you two or three crops of hay and is a sure money maker. Try it.

New Dahlia Flowered Zinnia

THE ZINNIA is so easy to grow and does so well that it is one of our most popular flowers. We offer in this new Dahlia-Flowered Zinnia a variety that is just as easy to grow as the common Zinnia and bears flowers which are far superior.

Imagine a Zinnia which looks so much like a Dahlia that when both are cut from the plants and placed side by side it is hard to tell one from the other.

Be the first in your neighborhood to grow this beautiful Zinnia. Pkt., 15c.

Long China Cucumber

A Recipe for Cooking Okra

The Barteldes Seed Co.,

I am sending you a recipe for cooking Okra, for if more people knew how good it was there would be more of it used.

Cut the young tender Okra into suitable pieces and to each pint of cut Okra add 2 medium sized tomatoes or canned tomatoes, season with butter, pepper and salt, add water enough to cover and cook as you would tomatoes and you will have a delicious vegetable.

A peculiarity of Okra is that it gets slimy and ropy when cooked but does not hurt the taste of it.

A Cook.

"Albino"—The White Tomato

Can you picture a more attractive salad than a plate of a few leaves of lettuce with two slices of white tomato and two slices of red tomato?

But the color is not the only good feature of the Albino. Its flavor is delicious and entirely distinct. You must eat it to appreciate it.

Pkt. of 15 seeds, 15c.

Long China Cucumber

A remarkable new long green Cucumber from China. When mature about 20 inches long and 1 to 3 inches in diameter. Some are straight and others curved. Vines are vigorous and cucumbers are of excellent quality. Flesh solid, crisp, and of good flavor. Mature fairly early. Pkt., 10c; oz., 50c.

Albino Tomato

Kansas Standard Tomato

Farmer's Friend Egg Carrier

The most complete egg carrier on the market. It is equipped with an adjustable cover and a patent combination lifter and fastener. Just the thing for the farmer and poultryman.

12 dozen size. For poultrymen and farmers. Price, \$1.25.

6 dozen size. Just right for people who drive in the country and like to buy fresh eggs. Insures count and prevents breakage. Takes only 8½x12½ inches floor space. Price, \$1.15.

Chick Feed Trough

Just the thing for feeding Growing Chicks. The Trough is made from one piece of metal with a Globe-Shaped Top. This top prevents chicks from getting into trough and wasting and fouling feed.

The top is easily removed for cleaning and the wide ends prevent upsetting.

No. 10—Ten inch size.....\$0.20
No. 20—Twenty inch size..... .30

If by mail please add postage for one pound.

Kansas Standard

The Best Tomato for the West

Kansas Standard is a true type of potato leaved tomato. It is a rapid and vigorous grower, with heavy stalks. It begins blooming when only six or seven inches high and sets fruit from the first blossoms.

The tomatoes are bright glossy red, round, slightly flattened, perfectly smooth and ripen clear to the stem. They have very few seeds, the meat is thick and firm, and the flavor excellent.

If you have never tried Kansas Standard, do so this year. You'll be delighted.

Pkt., 5c; oz., 30c; ¼ lb., \$1.00; lb., \$3.75.

Our Old Friends Stay With Us

Mr. Barteldes:

On the cover of this spring's catalogue I notice you give us a bit of Ancient History. Please allow me to give you a little more of the same stuff. If you are the Barteldes that was the head of the firm 47 or 48 years ago, do you recollect a man coming into your seed house some time in the spring of '67 or '68 and getting a lot of garden seeds? When you got through and he paid you for them you said there was \$1.50 coming to him. He said what for, and you said that you had resolved that the first person that bought \$10.00 worth of seeds at one time and paid for them should have \$1.50 gratis, and that is the way I got \$1.50 worth of seeds for nothing. Well, that was your humble servant and still alive. I have been buying more or less seeds from you ever since.—H. W. LAKE.

Drop Bottom Fountain

The drop bottom makes it easy to fill and easy to clean. It has a wire handle and may be hung on the wall out of the litter and dirt.

No. 40—Two Quart size\$0.95

No. 41—One Gallon size 1.25

If by mail, please add postage for one pound for the No. 40 and for two pounds for the No. 41.

Drop Bottom Fountain

Stop the
BUG Parade that's headed for
your place

Don't Let the Bugs Get Your Crops

Fight Them At the Right Time With the Right Material With Good Equipment
GARDEN SPRAY CALENDAR—The insects which attack garden plants may be divided into two groups, those which eat or chew the leaves, stems or fruits of the plants and those which suck the plant juices.

Eating or chewing insects may be killed either by spraying with poisonous solutions or dusting powders on the plants which are attacked.

The insecticides used for chewing insects are Bug Death, Slug Shot, Paris Green, Arsenate of Lead and Calcium Arsenate.

Sucking insects, such as plant lice, cannot be killed by such insecticides as Paris Green, etc. For these use Bug Death Aphid, Black Leaf 40, Tobacco Dust, Whale Oil Soap or other soap solutions.

These are four essentials in spraying.

First—To spray promptly.

Second—At the right period.

Third—Using suitable apparatus.

Fourth—First class and correct material.

SEE OUR PINK LIST FOR LOWEST PRICES OF INSECTICIDES.

Diamond Egg Carriers

For Shipping Eggs SAFELY by Parcels Post Can be Used Over and Over Again

Are you getting the best prices for your Eggs? Do you know that people in towns and cities are always on the lookout for fresh eggs? You can easily get the names of some of these people and make arrangements to supply them regularly with fresh eggs. In this way you will get top prices for your eggs. You can mail them direct from your home with very little trouble and get your pay in cash.

The Diamond Egg Carriers will insure safe delivery which will mean satisfied customers. They can be used over and over again and are therefore inexpensive. They are made of the best materials and are mechanically correct. The package is thoroughly rigid and will stand all the strains of handling in transit. Each egg is suspended and protected on every side—cushioned against jars and rough handling.

Try a dozen and you will find that you have made a very profitable investment.

Prices, f. o. b. Lawrence, postage extra:

Size	Per Dozen	Weight Per Dozen
1 dozen	\$3.60	12 lbs.
2 dozen	5.25	18 lbs.
4 dozen	8.75	35 lbs.

Hatching Sizes

15 eggs	\$3.75	15 lbs.
30 eggs	6.00	23 lbs.
12 Duck eggs	4.00	18 lbs.
9 Goose eggs	5.00	22 lbs.

RAX Saves Money By Saving Crops

SAVES MONEY BY SAVING CROPS

It is estimated that rats and mice consume grain each year in the United States alone to the value of more than \$10,000,000. Most of this waste can be saved if Rax is given a chance.

RAX IS NOT A POISON

While it is absolutely deadly to rats and mice, it is harmless to human beings, domestic animals, poultry, and birds. It may be used anywhere with complete safety.

RATS LEAVE BEFORE THEY DIE

Within a few days after eating food prepared with Rax, rats and mice become feverish and seek the open air. Thus they never die indoors—always outside.

Directions are furnished with each package. One bottle is enough for an ordinary house; allow one bottle to each 500 feet of floor space in large barns, mills, etc. Price, 75c per bottle, postpaid.

Collins Oats Sprouter

Collins Oat Sprouter

A PRACTICAL, QUICK GROWING, FIRELESS SPROUTER

Whether you keep a few birds in the back yard or run a commercial plant, you want eggs during the Winter Months. To get these eggs you must give your hens the same food as they get in the spring—namely, green feed.

Get a Collins Oat Sprouter and you can supply your hens with green feed at a small cost and with very little labor. The Collins Oat Sprouter is absolutely safe as it requires no artificial heat except that furnished by any warm room. You can set it anywhere, near a stove, furnace, or in a sunny window.

The Collins Sprouter is made in units. Eight individual pans of high grade thoroughly galvanized steel, one pan for each day of the week, and a drip pan at the bottom. The pans fit one above the other, lifting off separately and when shipped or stored can be packed in a small space.

The seven pans are each properly perforated, so as to give the right amount of drainage. This is very important as it insures the sprouting of practically every fertile Oat and eliminates souring and rotting.

Eight Pans, 11x15 inches, weight 14 lbs., \$4.00, f. o. b. Lawrence.

Feeny Dust Gun

A low priced but efficient gun for applying any insecticides or fungicides in powder form. Compact, well made, and puts out the powder in an even smoke-like cloud. You can puff it out in hazy clouds or shoot it far in larger clouds. All regulated by the stroke. Holds about one pint of powder. Price, \$1.25, postpaid.

Two Necessities

For Every Poultry House POULTRY FEED BOX

Hens should have before them at all times a supply of Lime Grit or Oyster Shells, Charcoal, and at intervals either Poultry Bone or Meat Scraps.

This Poultry Feed Box makes it very easy to keep these feeds before your chickens in a clean and economical manner. Price, \$1.10. 2 lbs., parcels post extra.

Poultry Feed Box

SANITARY FOUNTAIN

Capacity, one Gallon

Clean water is essential to the health of your poultry. This fountain is made of heavy, galvanized iron, is very strong and durable. It is easy to fill and keeps the water clean. Price, 75c. 2 lbs. parcels post extra.

Sanitary Fountain

See Our Pink List for Prices of all Poultry Foods.

Spirea
Van Houttei

Banana Squash

The sweetest of all squashes. It is excellent for cooking when young and is also a fine keeper after it is matured. The squashes are from one to two feet long, ranging from bright yellow to olive green in color, the flesh is firm, solid, a beautiful orange color and of fine quality. A splendid squash for either home use or the market. Pkt., 10c; oz., 25c; ¼ lb., 80c.

Plant Shrubs

Shrubs are to the house what the frame is to the picture. No matter what a fine looking house you have it will look cold and unattractive unless properly set off with a planting of shrubs and trees. You have often wondered why some homes look so inviting and homey. If you had stopped to analyze this you would no doubt have found that there was an effective planting of shrubs in

front of the porches, at the corners or along what might otherwise be a bare foundation.

Shrubs will not only make your home look more attractive but it will make it more valuable on the market. A home that has a good planting of shrubs will sell much more readily and at a higher price than one that stands out like a sore thumb.

We show here a couple of very simple plans for planting shrubs around the corner of the house. It would take but an hour or two of your time and a few dollars to carry out one or both of these plans and you would find it time and money well spent.

We give below the prices of the shrubs used in the plans and also of some others. These prices are packed, f. o. b. Lawrence. If wanted by mail add postage for one pound for each shrub.

- No. 1—Deutzia, 60c each, \$5.50 for 10.
No. 2—Weigelia, 60c each, \$5.50 for 10.
No. 3—Mock Orange, 60c each, \$5.50 for 10.
No. 4—Spirea Van Houttei, 50c each, \$4.50 for 10.
No. 5—Spirea Thunbergii, 60c each, \$5.50 for 10.
No. 6—Spirea Anthony Waterer, 60c each, \$5.50 for 10.
Snowball, 50c each, \$4.50 for 10.
Lilac, 60c each, \$5.50 for 10.

CORNER PRINTING CO., ST. JOSEPH, MO.

FANCY MIXED LAWN GRASS AT BARGAIN PRICES

We have made up a new grass seed mixture which we can sell at a very low price. This is made up of good seed of Red Top, Kentucky Blue Grass, White Clover and some other quick growing grasses. This is all good clean seed, no screenings and you will get good results by sowing this seed.

Many people fail with grass seed because they do not prepare the soil and sow the seed too thinly. The soil on which you intend to sow the seed should be either spaded or hoed and then broken up and made just as fine as possible. Grass seed is very small and cannot grow on bare ground or among a lot of clods. Give it a chance and sow the seed at the rate of one pound to 150 square feet.

See our Pink List for prices of this Fancy Mixed Lawn Grass.

FREE BOOKS FOR THE KIDDIES

On the inside front cover of our general catalog we offer some children's books. If you want to make your children happy get them one of these little books. The pictures, verses and stories are delightful and your children would get many hours pleasure from them.

As long as our supply lasts we will send one of these books free with an order of \$2.00 worth of Garden or Flower Seeds, or \$5.00 worth of Field Seeds, Nursery Stock, etc.

We send the books only when requested to do so and as our supply is limited we suggest that you order early so that your children will not be disappointed.

Barteldes Pink List Saves You Money

Enclosed with this booklet is a copy of our Pink List. This gives you the current prices of Alfalfa, Clovers, Grass Seeds, Grains, etc., in bushel and one hundred pound quantities.

In order to keep these prices right in line with the market we print them every few days during the season. If you should not wish to buy just now or if you have lost the Pink List please ask us for another one. We are glad to send these free at any time.

This saves you money. Consult our Pink List before buying any field seeds.