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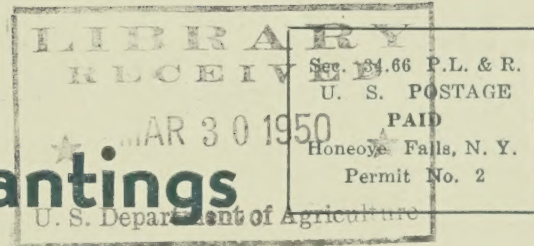


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Mar. 10, 1950

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 K. C. Livermore  
 Honeoye Falls, N. Y.

# Better Bred Seeds for Your 1950 Plantings



J. R. MAGNESS  
 HEAD HORTICULTURIST IN CHG.  
 BUREAU OF PLANT INDUSTRY  
 U.S. DEPT. OF AGRICULTURE  
 WASHINGTON, D.C.

Offering  
 High Values  
 At Reasonable Prices



Foundation Potatoes  
 Pasture Seedings

Hybrid Field and Sweet Corns  
 Better Spring Grains

Birdsfoot Trefoil  
 Ladino Clover







## BETTER BRED SEEDS

Hybrid sweet corn, field corn, potato, oat, cabbage, field pea, barley, wheat, soy bean, rye, alfalfa, clover, grass, other forage crop seeds.



HONEOYE FALLS, N. Y., MARCH 10, 1950

Dear Friend:—Thirty springs ago we planted here the first certified seed potatoes in this part of the State and the first improved variety of oats released by Cornell's plant breeders. Their yields were the talk of the neighborhood. Neighbors bought all we could spare of both crops for planting the next Spring. Thus, the benefits and the beneficiaries of "Better Bred Seeds" were increased many folds. My investment paid off in satisfaction and good will as well as in ever needed cash.

Since then, we have sought new and promising seed stocks and, when proven good, passed them on to our ever widening circle of "neighbors". We have been first or among the first to introduce and distribute in the northeastern states 75 new grains, cabbage, potatoes and sweet corns. Most of these were originated by various experiment stations. All humanity owes much to the science of plant breeding and to the industrious, patient workers therein. We, at Quaker Hill Farm, are grateful for the opportunity to help spread the benefits of "Better Bred Seeds" and invite you to share in them.

Sincerely, K. C. LIVERMORE

## Spring Oats, Barleys, Wheats

**DISEASE RESISTANT OATS** - Today's oats are products of intensive plant breeding work carried on cooperatively by federal and state scientists for more than forty years. At first, better yields and stiffer straws were attained. Then stem rust resistance had to be added. Later, crown or leaf rust threatened wide spread havoc and, just in time, Victoria Oat from South America supplied resistance to that disease. By crossing, it was combined with the yielding ability and stem rust resistance of the better oats of that period. These new hybrids in turn, were laid low by helminthosporium blight in '46 and '47. But already the plant breeders had brought blight resistant Bond Oat from Australia. By crossing it with the best oats of that time, a dozen or more new oats were developed, resistant to both the common rusts and helminthosporium blight and good yielders. Advance, Mohawk and Clinton were among these.

But the plant breeder's work was not finished. Out of the 88 known races of crown rust, race 45 became noticeably active in '48, spread further in '49 and may be really serious in '50. It attacks principally the new oats bred from Bond. Our old varieties, such as Goldwin, Lenroc, Upright, etc. are very resistant to Race 45 rust and also to helminthosporium blight.

Now another disease, unnamed as yet, has appeared in Clinton and in several other Bond hybrids. It causes reddening of the leaves and premature ripening in circular patches through the field. Nobody knows how damaging this will be in '50.

The situation is complicated to say the least. None of our present varieties is resistant to all the serious diseases, and new diseases are appearing. No one can predict which oat will pay best here this year, but on the basis of recent performance it is very likely to be Advance, Mohawk or Goldwin. See price list, page 3.

**ADVANCE** - Tallest of these, 4" to 6" taller than Mohawk, 25% to 50% more harvested straw. Straw stiffer than most. Grain yield equal to Mohawk and Clinton. Kernels heavy, meaty, yellow. Tree type plant. Early midseason maturity, between Mohawk and Goldwin. Ripens more uniformly than Mohawk and Clinton. Ripens satisfactorily with barley. Highly resistant to blight, common races of crown rust and stem rusts, less susceptible to Race 45 crown rust than Mohawk and Clinton.

**MOHAWK** - Shorter than Advance. Very stiff straw; seldom lodges. Grain yield and characteristics same as Advance. Early maturity, excellent for grass and legume seedings. Disease resistance same as Advance except very susceptible to Race 45 rust.

**GOLDWIN** - Tall, tree type plant. Very good straw, tho not as stiff as Mohawk. Grain yields 20% (8 to 12 bushels) above Advance, Mohawk and Clinton in last three years when comon races of crown rust were not severe, less during '43 to '45 when rusts were severe. Kernel yellow, slimmer and not so heavy as Advance, but percentage of meats good. Midseason maturity. Ripens satisfactorily with Alpha Barley. Highly resistant to helminthosporium blight, Race 45 rust, but susceptible to common races.

**BETTER BARLEYS NEEDED** - Disease problems in barley are similar to those in oats. Lacking varieties with general resistance yields have been cut in recent years. Another difficulty is that of getting straw strength with grain yield. Several new high yielders are impossible for combining because of weak straw. Choice lies between disease resistant and stiff straw varieties. Our selections are:-

**ALPHA BARLEY** - Best two row. Outstands all others. High yielder when not attacked by diseases. Best for sowing with oats. We offer seed from smut free crops, 2nd from hot water treated seed.

**BAY BARLEY** - A better 6 row barley than Wisconsin 38. Stiffer straw, little better yield, higher test weight, good malting qualities. Suitable for sowing with oats.

**MOORE BARLEY** - Looks like best yet. A six row from Wisconsin. Better yield, better straw. Earlier than Alpha. Good malting qualities. Moderately resistant to stem rust, spot blotch and mildew; susceptible to leaf rust, stripe and smut. See price list, page 3.

## FARM CHEMICALS

Seed disinfectants, seed inoculants, fertilizers, sulphur, lime, weedicides, dusts and sprays. Also drain tile.

## Foundation Seed Potatoes

Virus X is a new problem for potato growers. Leaf roll, mosaic, yellow dwarf and other virus diseases generally produce recognizable symptoms which enable seed growers to eliminate them. But some strains of Virus X produce no symptoms detectable by appearance, yet cause yield reduction averaging 10%, according to Cornell pathologists. A loss of 10% on today's yields means 30 to 60 bushels, an item of some importance.

The possible presence of "masked" or "invisible" viruses in seed potatoes greatly lessens the assurance of the word "certified" as now applied. It probably explains, at least in part, the usual yield difference of 30 to 60, sometimes over 100 bushels per acre between Jeff Baldwin's foundation seed and other certified seed. His methods undoubtedly have kept Virus X down to a very low point, as well as the recognizable viruses. (For more details ask for copy of "Jeff Baldwin's Better Foundation Seed Potatoes").

It pays to use foundation seed for commercial as well as seed production - especially Jeff Baldwin's. See price list, page 3.

**RED WARBA** - 90 days, 10 earlier than Cobbler. Generally out-yields it. Quality very good. Resembles Cobbler, but has red skin, some white showing. Mosaic resistant; susceptible to scab, leaf roll, etc. Best early in our judgment, for home use and local marketing. Offer Wis. foundation with clean reading in field and winter test.

**BLISS TRIUMPH** - 95 days. Fine quality, early, red skin potato. Round, shallow eyed, indented stem end. Popular for early shipping and garden. Susceptible to mosaic, leaf roll, scab. Offer Jeff Baldwin's special high yielding strain, P.E.I. foundation A with no virus reported.

**IRISH COBBLER** - 100 days; the main early potato. Round, white, deep eyed tuber of excellent quality. Offer P.E.I. foundation or foundation A.

**CHIPPEWA** - 110 days. Beautiful appearance; cooks white but not mealy. Excellent for chipping. Wide adaption. Good yields. Poor keeper. Very susceptible to leaf roll and scab. Offer seed of Jeff Baldwin's special strain, Minn. foundation. No disease reported in field inspection, .3% leaf roll in Fla. test. Chippewa growers should try this improved strain.

**ESSEX** - 110 days. The highest yielder of Dr. Reddick's blight resistant varieties. Has made phenomenal yields and demonstrated high resistance to blight. Appearance excellent. Quality like Katahdin. Serious tendency to crack in digging and handling. Vines should be dead week or two before digging and all precaution taken to avoid bruising. Offer N. Y. certified, no disease in Fla. test.

**KATAHDIN** - 120 days. Fine appearing, white-skinned, round, flattened potato. Quality good. Resistant to virus diseases; scab and blight susceptible. Sets lightly but develops nearly all No. 1 size potatoes. Sets shallow, needs more and later covering. Excellent keeper. Offer Jeff Baldwin's P. E. I. foundation A.

**SEBAGO** - 130 days. Resistant to blight, yellow dwarf, mild mosaic and scab. Smooth, shallow eyed, white skinned, round to elongated, flattened tubers. Attractive. Excellent quality often brings premium. Bruises easily, sprouts early. Offer Jeff Baldwin's foundation A.

**PONTIAC** - 130 days. Dark red, shallow-eyed, roundish. Very susceptible to scab and hopper burn. Fair table and good keeping qualities. High yields. Limited but expanding market. Offer Jeff Baldwin's P. E. I. foundation A.

**ONTARIO** - 135 days. Wide adaptation. Tubers smooth, white, slightly elongated. Quality fair. Highly resistant to scab. Resistant to late blight and "Z" disease. Excellent yield records. Offer Wis. foundation, no disease reported in field or Fla. test.

## Small Seed for Planting Whole

For those who must use whole seed because of soil conditions, we can supply Prince Edward Island certified in Cobbler, Katahdin and Sebago, and New York grown from certified in Bliss Triumph, Essex, Ontario and Sebago.



## Hybrid Sweet Corns

The larger yields, greater uniformity and better quality of hybrid sweet corns are the reasons for their now almost 100% use by canners, commercial growers and home gardeners. They definitely pay better in dollars and satisfaction.

Of the literally hundreds of hybrids now available we offer a series ripening at successive periods, each being one of the best available in its ripening period. You can choose those that best suit your market or can provide a continuous supply from early to late by planting at one time several that will ripen in succession and then following with successive plantings of a late one.

In the brief descriptions given below, the days of ripening are approximate for this section under favorable conditions. They vary with locality, season and planting date. They are comparable with Golden Bantam at 80 days. For detailed description ask for our Special Sweet Corn Circular. It gives valuable planting suggestions. For latest on weed, insect and smut control ask for our folder on Sweet Corn Pest Control.

**IMPROVED SPANCROSS** - 61 days, 23 earlier than Golden Cross. Earliest wilt resistant hybrid available. Cold resistant. Prolific yielder of very uniform, attractive, med. size, 8-12 rowed ears.

**WASHINGTON** - 66 days, new hybrid from Conn. Exp. Station. More and larger ears than Spancross, more ears but smaller than Marcross, better quality than either. Wilt resistant. Don't miss this one.

**MARCROSS** - 68 days. 16 days ahead of Golden Cross. Wilt resistant, good yielder, large 12 rowed ears, good quality, excellent market type. A money maker for commercial growers.

**IMPROVED CARMELCROSS** - 72 days. Wilt resistant, fine quality, 12 rowed, large ears, heavy yielder. Similar to Golden Cross.

**GRANT** - 75 days. New mid-season hybrid, notably large ears, fine quality too. An easy-to-sell corn. Wilt resistant.

**LINCOLN** - 78 days, 6 days ahead of Golden Cross. Wilt resistant, drought resistant, wide adaptation. Heavy producer of large, attractive, good quality, 12 to 16 rowed ears.

**LEE** - 78 days, in Lincoln class. Ears slightly larger; quality a little better. Not so hardy or wilt resistant. Better for New England and Eastern New York.

**BIG LINCOLN** - 80 days, a larger eared, heavier yielding, taller Lincoln. Wilt resistant.

**IMPROVED GOLDEN CROSS** - 84 days, heavier ears, more kernel rows, taller stalks, ears borne higher, fewer suckers, same wonderful quality as original Golden Cross. Wilt resistant.

**IOANA** - 87 days. Appearance, quality, size ears like Golden Cross. Stalks larger, suckerless. Notably resistant to heat and drought. Out-yields Golden Cross under such conditions. Wilt resistant.

**BIG IOANA** - 88 days. 10% more ears, 10% larger ears than Ioana and equal quality, hardiness and wilt resistant.

**MAGNAGOLD** - 90 days. Wilt resistant. Big handsome 14 to 18 rowed ears of excellent quality. Sell fast at premium prices. Lots of fodder. Best late yellow hybrid from every angle.

**BROOKHAVEN** - 94 days, a new, large eared hybrid using Connecticut and Ohio inbreds. Heaviest yields in several tests, 50% to 100% more weight of ears per acre than Golden Cross, Ioana and many other hybrids.

### FAMILY GARDEN SWEET CORN ASSORTMENT

Here is a package of assorted hybrid sweet corn seeds, ripening in succession, that provides an average family with an abundance of delicious fresh sweet corn from early summer till fall, and plenty to can or dry for winter. It includes 2 oz. each Spancross, Washington, Carmelcross, Lincoln, Magnagold and 14 oz. Golden Cross with directions for planting. Lots of enjoyment and real savings on food costs come in this package. Decide now to feast on sweet corn this summer as do hundreds of others.

### Empire Lotus

Empire Lotus, the Eastern New York strain of broadleaf birdsfoot trefoil, is the best hay or pasture legume for long term seedings on soils not favorable for alfalfa. It is longer lived, more drought resistant, more tolerant of wet or acid soils, ripens later, retains quality longer, is more palatable in all stages, stands grazing better and, after established, out yields alfalfa except where all conditions are favorable for alfalfa. The first crop is disappointingly light but, once established and properly managed, it produces 2 to 4 ton crops for 20 years and longer. It should be used only for long term stands. It can be used for pasture, or hay and pasture, or silage and pasture, or pasture and seed. Empire Lotus is also valuable on steep slopes, in sod orchards and on roadside and lawn embankments where its bright yellow blossoms lend interest.

Preparation for and times and methods of seeding are as for alfalfa. Use trefoil inoculant. Always combine with a tall grass for support but not advisable to combine with alfalfa, red, alsike or sweet clover.

Empire Lotus, the most reliable birdsfoot trefoil is in very short supply. Imported broadleaf birdsfoot trefoil seed has done well in New York tests and may have to be substituted.

## Hybrid Field Corns

There is no question now that hybrids are more profitable, either for silage or grain. The problem is to choose from the many offered. It is better to decide on the basis of experiment station tests than advice of an agent paid to sell a certain brand. Reports of such tests are available in most states. They show in nearly every case that in any maturity group, there is an "open formula" hybrid that equals or excels the "secret formula" or "trade name" hybrids. Open formula hybrids are made from inbreds produced and controlled by the U. S. D. A. and state experiment stations. They are more reliably the same each year and usually are available at less cost. In other words, the higher prices usually charged for trade name hybrids seldom buy higher yielding seed but pay for expensive advertising and agent's commissions.

On the basis of experiment station tests and customer experience, we have selected and offer the following "open formula" hybrids with confidence that they will produce as much food value per acre as, if not more than others in the areas designated. Numbers in parentheses are approximate days required for maturing under conditions here. They of course vary from season to season and place to place, but show relative maturities.

For grain it is best to use corns that ripen well within the season limits. Our selections are intended to be on the safe side. For silage, taller corns with high grain yield records that ripen 5 to 15 days later, usually make maximum yields of best quality silage. We have listed such for each situation described below. If writing us for advice, please give your location in miles and direction from nearest town and date you will plant.

**VERY SHORT SEASON**—Where only the very earliest corns mature; generally at elevations over 1200 and at lower elevations in Northern New York and New England.

Grain: Wis. 255 (90).

Silage: Wis. 275A (95); Wis. 335 (100).

**SHORT SEASON**—Where 95 to 105 day corns usually mature; generally at elevations of 900' to 1200'.

Grain: Wis. 275A (95); Wis. 335 (100).

Silage: Ohio M15 (115); Cornell 29-3 (115).

**MEDIUM SEASON**—Where 105 to 115 day corns usually mature; generally at elevations of 500' to 900'.

Grain: Ohio M15 (115); Cornell 29-3 (115).

Silage: Ohio K24 (120); Ohio K62 (120).

**LONG SEASON**—Where 115 to 125 day corns usually mature; generally at elevations under 500'.

Grain: Ohio K24 (120); Ohio K62 (120).

Silage: Wis. 641A (130).

**VERY LONG SEASON**—Best locations in area described above.

Grain: Wis. 641A (130). Silage: U. S. 13 (140).

### GRADES

Germination range from 90% to 98%. Seed is graded,—Large Flat, Medium Flat, Large Round, Medium Round. This permits more accurate planting with less waste of seed and better yields. The different grades produce equally well, if the seed is properly spaced.

## Hay, Silage and Pasture Seedings

The following suggested mixtures include the newer forage crops and consider today's relative prices of the ingredients. Amounts are in pounds per acre and cost per acre follows. See "special suggestions" below.

### HAY OR SILAGE

For good alfalfa soils -

8 Alfalfa, 8 Brome. \$9.76. 8 Alfalfa, 5 Timothy. \$6.24.

5 Alfalfa, 2 Alsike, 5 Timothy. \$5.38.

For soils not suited for alfalfa -

4 Med. Red, 2 Alsike, 5 Timothy. \$4.80.

5 Alsike, 5 Timothy. \$3.80.

### HAY AND PASTURE OR SILAGE AND PASTURE

For good alfalfa soil -

1 Ladino, 6 Alfalfa, 2 Med. Red, 6 Timothy. \$8.36.

1 Ladino, 6 Alfalfa, 5 Brome, 3 Timothy. \$9.44.

1 Ladino, 3 Alfalfa, 2 Alsike, 5 Timothy. \$6.02.

For soils not suited to alfalfa -

1 Ladino, 2 Med. Red, 2 Alsike, 5 Timothy. \$5.44.

1 Ladino, 4 Alsike, 5 Timothy. \$5.16.

2 Ladino, 5 Timothy. \$5.20.

5 Birdsfoot Trefoil, 6 Timothy. \$9.92\*

### PERMANENT PASTURE OR SILAGE AND PASTURE

1 Ladino, 8 Orchard. \$4.84. 1 Ladino, 8 Brome. \$6.92.

### PERMANENT PASTURES

1 Ladino, 1 Wild White, 5 Ky. Blue, 5 Timothy. \$8.00.

3 Birdsfoot Trefoil, 1 Wild White, 4 Ky. Blue, 5 Timothy. \$10.32\*

10 Ky. Blue, 1 Ladino (for poultry especially). \$8.60.

**SPECIAL SUGGESTIONS.** On wet soils substitute 1 Red Top for 2 Timothy. Where water sometimes stands 3 days or longer sow 6 Reed Canary preferably in fall. Use Brome grass only on well drained, fertile soils. Sow Brome and Orchard grass separately. Use Birdsfoot Trefoil only for long term seedings, 6 years and longer. Omit Wild White clover if previously grown there.

\* Using imported trefoil. Higher with New York seed.



**TERMS**

Terms are cash with order, or 25% payment with order and balance before shipment or C. O. D. on arrival collection fees added.

All prices include containers and are f. o. b. here except as noted.

**GUARANTEE**

If you are not satisfied with what you receive from us and notify us promptly, we will replace if possible or refund, as you prefer. Loss or damage in transit will be adjusted if you have agent note same on his bill. So many conditions beyond our control affect results, we cannot and do not assume any responsibility for the results secured from our seeds or other supplies. Orders are booked with the understanding that changes in transportation rates are for customer's account and that delivery is contingent on any circumstances beyond our control.

Please order early. Thanks. Yours for better seeds. K. C. LIVERMORE

**PRICE CHANGES**

Prices are subject to change without notice. If lower when your order is received, difference will be refunded; if higher you will be notified and may pay difference or change or cancel order.

**SWEET CORN** HIGH YIELDING HYBRIDS

IMPROVED SPANCROSS, WASHINGTON, MARCROSS, IMPROVED CARMELCROSS, GRANT, LINCOLN, LEE, BIG LINCOLN, IMPROVED GOLDEN CROSS, IOANA, BIG IOANA.

Postpaid: 1/4 lb. 25c; 1/2 lb. 35c; 1 lb. 50c; 2 to 19 lbs. 43c per lb. to 5th zone; 5c higher beyond and to Canada.

Not prepaid: 20 to 99 lbs. 37c; 100 lb. or more 35c per lb. Ask for special prices on 1000 lbs.

MAGNAGOLD and BROOKHAVEN prices are 5c higher per pound or less.

GRADES—Above prices are for large flat and medium flat kernels. Deduct 5c per lb. for large round and medium round kernels. All grades are equally productive. Grading facilitates more uniform planting.

QUANTITY PRICES—When ordering more than one hybrid, the price applying to the total quantity may be used for each kind of which 1 lb. or more is ordered. Less than 1 lb. of any kind should be figured at the price applying to its own weight.

FAMILY GARDEN ASSORTMENT, 6 hybrids, 1 1/2 lbs.; plenty all summer for hearty family.—Postpaid 1000 miles (5th zone) in the U. S., \$1.40; beyond and in Canada, \$1.50

**OATS** Sacked 3 bu. per bag Per bu. 32 lbs.

30 BU. 10c LESS, 100 BU. 20c LESS  
 ADVANCE, certified \$2.00  
 ADVANCE, from certified \$1.80  
 MOHAWK, certified \$1.80  
 MOHAWK, from certified \$1.60  
 GOLDWIN, from certified \$2.00

**BARLEY** Sacked 2 bu. per bag Per bu. 48 lbs.

20 BU. 10c LESS, 70 BU. 20c LESS  
 ALPHA, 2 rowed, from certified \$2.30  
 BAY, 6 rowed, from certified \$2.30  
 MOORE, new, 6 rowed, certified \$4.25  
 MOORE, from certified \$3.75

**FIELD PEAS** Sacked 2 bu. per bag Per bu. 60 lbs.

10 BU. 10c LESS, 20 BU. 20c LESS  
 WHITE CANADA, \$5.25  
 See inoculants back page

**SPRING WHEAT** Per bu. 60 lbs.

10 BU. or MORE 10c LESS  
 HENRY, rust resistant, from certified \$2.90

**SOY BEANS** Per bu. 60 lbs.

10 BU. OR MORE 10c LESS  
 EARLYANA, new, best for N. Y. \$4.00  
 LINCOLN, for silage, plowing under \$4.00  
 See inoculants back page

**BUCKWHEAT** Per bu. 48 lbs.

10 BU. OR MORE 10c LESS  
 JAPANESE \$2.40  
 SILVER HULL \$2.40  
 COMMON (mixed) \$2.25

**FIELD CORN** 10 BU. OR MORE Per bu. 56 lbs.  
 25c LESS

For less 1 bu. add 25c to amount  
 All hybrids except Cornell 11 and Sweepstakes

VARIETY	Grades Available	Prices
EARLY		Flats Rounds
Wis. 255	L.F., M.F., L.R., M.R.	\$5.60 \$4.00
Wis. 275A	L.F., M.F., L.R., M.R.	\$5.60 \$4.00
MEDIUM EARLY		
Wis. 335	L.F., M.F.,	\$5.60 \$4.00
Cornell 35-5	L.F., M.F., L.R.,	\$5.60 \$4.00
MEDIUM		
Cornell 11	L.F.,	\$3.00 \$2.50
Cornell 29-3	L.F.,	\$5.60 \$4.00
Ohio M15	L.F., L.R.,	\$6.40 \$4.80
MEDIUM LATE		
Ohio K62	L.F., L.R.,	\$7.50 \$5.90
Ohio K24	L.F., L.R.,	\$6.40 \$4.80
Sweepst'k's	L.F.,	\$4.30
LATE		
Wis. 641A	L.F., L.R.,	\$5.60 \$4.00
U. S. 13	L.F., L.R.,	\$6.40 \$4.80

**POTATOES** F. O. B. here Per 100 lb.  
 Except as stated

All seed potatoes listed are graded U. S. No. 1. Size "A" means from 1 1/2" to 2" or 2 1/4" to 12 oz. or less. Size "B" means from 1 1/2" to 1 3/4", 2" or 2 1/4". "Cert" means certified. Approved ("App") as used in Minn. and Foundation A ("F.A.") as used in Canada mean Certified seed of practically 100% disease freedom recommended for seed production. Foundation ("F") means, in Canada, certified seed grown in tuber units; in U. S., either grown in tuber units or from seed so grown, plus in both cases still higher disease freedom. "JB" means Jeff Baldwin's higher yielding strains.

Prices on 100 bags or more are 10c lower than 10-99 bag prices.  
 Ask for special prices on trailer loads direct from cars and on straight or mixed carloads shipped direct. Truck deliveries are possible where volume justifies.  
 To save labor, we will break bags only in Warba, Cobbler and Sebago, the best varieties for the garden.

Variety	Source	Grade	Sz.	10 - 99 bags	Less 10 bags
RED WARBA	Wis.	F	A	\$4.55	\$4.75
15 lbs.	\$1.10; 30 lbs.	\$1.75; 60 lbs.	\$3.10		
J.B. TRIUMPH	PEI	FA	A	\$4.55	\$4.75
J.B. TRIUMPH	PEI	FA	B	\$5.05	\$5.25
COBBLER	PEI	FA	A	\$3.95	\$4.15
15 lbs.	\$1.00; 30 lbs.	\$1.60; 60 lbs.	\$2.80		
COBBLER	PEI	Cert	B	\$3.95	\$4.15
J.B. CHIPPEWA, Minn.	F	A	\$4.55	\$4.75	
ESSEX	N.Y.	Cert	A	\$4.40	\$4.60
J.B. KATAHDIN	PEI	FA	A	\$3.85	\$4.05
J.B. KATAHDIN	PEI	FA	B	\$4.35	\$4.55
KATAHDIN	PEI	FA	A	\$3.60	\$3.80
KATAHDIN	PEI	Cert	B	\$4.10	\$4.30
ONTARIO	Wis.	F	A	\$4.55	\$4.75
J.B. PONTIAC	PEI	FA	A	\$4.70	\$4.90
J.B. PONTIAC	PEI	FA	B	\$5.20	\$5.40
J.B. SEBAGO	PEI	FA	A	\$3.85	\$4.05
15 lbs.	\$1.00; 30 lbs.	\$1.60; 60 lbs.	\$2.80		
J.B. SEBAGO	PEI	FA	B	\$4.35	\$4.55
SEBAGO	PEI	FA	A	\$3.60	\$3.80
SEBAGO	PEI	Cert	B	\$4.10	\$4.30
"J.B." indicates Jeff Baldwin's higher yielding strains.					
N. Y., Not Certified, Size B					
Triumph, Essex, Ontario, Sebago				\$2.80	\$3.00

**CABBAGE** Best Strains Available Hot Water and Semesan Treated Per lb.

POSTPAID	Pkt.	oz.	1/4 to 1 lb.	5 lb.
Golden Acre	.25	\$ .50	\$5.00	\$4.50
Copenhagen Market	.25	\$ .50	\$5.00	\$4.50
Reed's Glory	.30	.60	\$6.00	\$5.50
Quaker Hill Danish	.40	.80	\$8.00	\$7.50
Reed's Red Danish	.40	.80	\$8.00	\$7.50

**ALFALFA** Highest Quality 300 lbs. or more 1/2c less

60 lbs. per bu. Per bu. Per lb.  
 GRIMM, Can. or Northern U. S. \$34.80 \$ .58  
 COMMON, Northern U. S. \$33.60 \$ .56  
 RANGER, cert., Northern U. S. \$54.00 \$ .90  
 See inoculants back page

**CLOVER** Highest quality Approved sources 300 lbs. or more 1/2c less

60 lbs. per bu. Per bu. Per lb.  
 MEDIUM RED, Northern U. S. \$34.20 \$ .57  
 MAMMOTH RED, Northern U. S. \$33.00 \$ .55  
 MIDLAND, certified \$39.60 \$ .66  
 CUMBERLAND, certified \$39.60 \$ .66  
 ALSIKE, domestic \$26.40 \$ .44  
 W. B. SWEET \$17.40 \$ .29

For less than 5 lb. of Postpaid Not paid  
 the following, add 10c lb. 5 to 19 lb. 20 lb. up  
 WILD WHITE \$1.30 \$1.20  
 LADINO, \$1.90 \$1.80  
 LADINO, certified \$2.05 \$1.95  
 EMPIRE LOTUS (Birdsfoot Trefoil).  
 Requires inoculant T  
 N.Y. Certified, purple tag \$2.70 \$2.60  
 N.Y. Not certified, blue tag \$2.40 \$2.30  
 BPDFST Trefoil, Imported \$1.70 \$1.60  
 See inoculants back page

**TIMOTHY** Highest Quality

200 LB. OR MORE 1/2c PER LB. LESS  
 45 lbs. per bu. Per bu. Per lb.  
 COMMON, 99.50 to 99.80% purity \$14.40 \$ .32

**MISCELLANEOUS** Best Grade Per lb.

100 LBS. OR MORE 1/2c per lb. LESS  
 Less than 10 lbs. any item, add 10c  
 KENTUCKY BLUE GRASS \$ .68  
 CANADA BLUE GRASS .68  
 ALTA FESCUE GRASS .76  
 KENTUCKY 31 FESCUE GRASS .66  
 CREEPING RED FESCUE GRASS .64  
 CHEWINGS FESCUE GRASS .54  
 ASTORIA BENT GRASS, Certified 1.02  
 COLONIAL BENT GRASS .96  
 ORCHARD GRASS .38  
 RED TOP GRASS .64  
 REED CANARY GRASS 1.02  
 DOMESTIC RYE GRASS .18  
 PERENNIAL RYE GRASS, Certified .24  
 BROME GRASS, Achenbach or Lincoln .64  
 SUDAN GRASS .12  
 JAPANESE MILLET .10  
 HUNGARIAN MILLET .10  
 GOLDEN MILLET .11  
 PROSO MILLET, for grain .10  
 DWARF ESSEX RAPE .20  
 SORGHUM .12  
 HAIRY VETCH .26  
 SPRING VETCH .18

**Seeding Mixtures**

Ingredients will be shipped unmixed unless ordered mixed and paid for in advance. Add 50c per cwt. for mixing.

**Lawn Mixtures** Recommended formulas Per lb.

100 LB. OR MORE 1c lb. LESS  
 Post paid Not paid  
 QUAKER HILL STANDARD  
 With Clover under 20 lbs. \$ .75; 20-99 \$ .70  
 Without Clover, under 20 lbs. \$ .73; 20-99 \$ .68  
 QUAKER HILL SHADE  
 Without Clover, under 20 lbs. \$ .66; 20-99 \$ .61  
 †Post paid to 5th zone...5c higher beyond and to Canada





@	\$	@	\$
@	\$	@	\$
@	\$	@	\$
@	\$	@	\$
@	\$	@	\$
@	\$	@	\$
@	\$	@	\$

Freight shipments to stations without agents and parcel post shipments of 20 lbs. or more must be prepaid. Allow for charge here. Excess will be returned \$

**TERMS:** Cash with order, or 25% with order and balance before shipment or on arrival with collection fees added. If balance is to be paid at a bank on delivery, give name and address of bank.

Bank ..... P.O. .... State .....

Total - - - \$.....  
 Check or M. O. - \$.....  
 Balance - - - \$.....

Ship to (Person) ..... P. O. .... State ..... Rt. or St. ....

Freight or express station ..... State ..... Railroad .....

Shipping instructions ..... Name and address of person ordering, if different from above .....

## Farm Chemicals For Seeds and Soil

ALL POSTPAID EXCEPT AS STATED

### NITRAGIN LEGUME INOCULANTS

**CULTURE A** for alfalfa, sweet clover, yellow trefoil and **CULTURE B** for medium, mammoth, alsike, crimson, Ladino, wild white and white Dutch clovers, 1 bu. size \$.50; 2½ bu. size \$1.00.  
**CULTURE C** for vetches, field peas, garden peas, 100 lb. size \$.50; 1200 lb. size \$5.50.  
**CULTURE D** for field, garden beans, 1 bu. size 50c; 12 bu. size \$5.50.  
**CULTURE S** for soy beans, 2 bu. size 30c; 5 bu. size 50c; 30 bu. size \$2.95.  
**CULTURE T** for birdsfoot trefoil, 7½ lb. size \$.15; 1 bu. size \$.60.

### STANLEY'S CROW REPELLENT

½ pt. (treats 1 bu. corn) 60c; pt. (treats 2 bu. corn) \$1.00; qt. (treats 4 bu. corn) \$1.75.

### SCARE CROW

½ pt. (treats 1 bu. corn) 40c; pt. 60c; qt. \$1.00.

### ARASAN

For vegetable seed; 1/3 tsp. per lb. large seeds to 2/3 tsp. for small seed or 2 to 4 oz. per 100 lbs.; 3/4 oz. \$.25; 8 oz. \$.80; 4 lb. \$5.16; 25 lb. \$30.00.

### CERESAN M

For oats, barley, wheat (1 lb. treats 32 bu.) 14 oz. \$1.00; 3 lb. \$2.85; 40 lb. \$28.75.

### SEMESAN JR.

For corn, 1½ oz. per bu.; 1½ oz. 17c; ¾ lb. 62c; 25 lb. \$13.85.

### SEMESAN

For vegetable and flower seeds and bulbs; 2 oz. 60c; 12 oz. \$2.40; 4 lb. \$11.00.

### SEMESAN BEL

For potatoes; 1 lb. per 50 to 80 bu.; 2 oz. 50c; 1 lb. \$2.00; 4 lb. \$6.30; 40 lb. \$59.00.

### COROSIVE SUBLIMATE

For potatoes, cabbage, etc. ¼ lb. \$.90; 1 to 4 lb. \$2.25 per lb.; 5 lb. up \$2.10 per lb.; express collect. Special prices on larger amounts.

### YELLOW OXIDE OF MERCURY

For potatoes, 1 lb. treats 100 or more bu.; ½ lb. \$1.85; 1 to 4 lb. \$2.75 per lb. 5 lb. up \$2.60 per lb.

### CALOMEL

For cabbage, turnip, radish, ½ lb. \$1.75; ¾ lb. \$2.35; 1 to 4 lb. \$2.75 per lb.; 5 lbs. up \$2.65 lb.

### YELLOW OXIDE OF COPPER

For peas, spinach, beets, 1 teaspoon per lb., or 2½ lb. per cwt.; ¼ lb. \$.50; ½ lb. \$.65; 1 to 4 lb. \$.80 per lb.; 5 lb. or more \$.70 per lb. Special prices on larger quantities.

### ZINC OXIDE

For seed beds, ½ to 1 oz. per sq. ft.; 1 to 9 lb. 25c per lb.; 10 to 49 lb. 20c per lb., postage paid. Freight collect 50 lb. bags, \$6.00; 100 lb. bags \$10.

### GUM ARABIC POWDER

To make calomel stick to cabbage seed; 1 oz. per lb. seed; 1 oz. 15c; 2 oz. 20c; ¼ lb. 30c; ½ lb. 50c; 1 lb. 85c.

### SPERGON

A dust for treating seeds and soils to control fungus and bacterial diseases. 2 to 3 oz. per bu. of seed; 1 oz. \$.25; 5 oz. \$1.00; 1 to 4 lb. \$2.25 per lb.; 5 lb. or more \$2.00 per lb.; 50 lbs. \$75.00 postpaid; 100 lbs. or more, not prepaid, \$140.00.

### TOBACCO POWDER

To repel flea beetles, squash bugs, etc., for fumigating; 1 to 4 lb., 15c per lb.; 5 to 29 lb. 10c per lb., postage paid; 30 to 99 lb., 6c per lb.; 100 lb. \$5.00 freight collect.

### SULPHUR

For scabby potatoes. The easiest way to control scab on potatoes is to scatter 1 to 2 lb. of sulphur over each bushel of seed as it is dumped in the planter hopper. The action of the machine coats the seed fairly well and the surplus runs into the row. Wherever scab conditions are unusually bad, the soil should be treated as well as the seed. The same treatment also controls scab gnat and milliped injury. Apply sulphur only where needed; apply 200 to 800 lb. per acre depending on the severity of the scab or as indicated by soil tests; apply after plowing and mix thoroughly at least 4" deep. Use our Free Flow Sulphur. It drills better and is economical. One application lasts years. Prices f.o.b. here 4½c lb.; \$3.50 per cwt.; \$60.00 per ton. Special prices on ton lots or more delivered from factory.

### RESPIRATOR

Comfo Dust and Mist Respirator, eliminates discomfort of using chemicals. Postpaid, 1 to 4, \$3.50, 5 or more, \$3.30 each.