







### KEEP AWAY FROM LESPEDAZA SEED; SAVE YOUR MONEY

This Legume Not Adapted;  
Does Not Pay as Crop;  
Seed Expensive

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None of the strains of lespedeza now commercially available appear to have any important place in Michigan agriculture. This statement is made in the hope that it will save many Michigan farmers from spending their money for lespedeza seed which can only give disappointing results in this state.

The valuable strains of lespedeza, a legume which is tolerant of soil acidity, are essentially southern in adaptation. In the south where the weather is warm and the growing season long, Korean, Kobe, Tennessee No. 76 and common lespedeza have a real place as pasture and hay crops.

These strains are all annuals, that is, they mature seed and die in one season, but usually enough seed is scattered so a satisfactory volunteer crop is secured and the crop may be handled as a permanent pasture. Lespedeza is also used for hay.

Where red clover or alfalfa can be grown successfully none of the lespedezas have a place as, under such conditions they are inferior to clover and alfalfa both in yield and feeding value.

#### No Good in Michigan

An extra early strain of Korean lespedeza known as Harbin has recently been exploited in the press as having great value in the north. While the so-called Harbin lespedeza will mature seed in Michigan it is an exaggeration to say that the crop has any value here. In trials at East Lansing conducted by C. R. Megee of the Farm Crops Department, Michigan State College in 1933 Harbin lespedeza matured seed alright but at no time did the growth of the plants exceed 6 or 8 inches in height. The plants were too small to furnish any appreciable amount of grazing and too short to be harvested with any farm implement now available. Similar results have been secured by the Farm Crops Department at Augusta, Michigan, in co-operation with the Division of Forage Crops of the United States Department of Agriculture. The exploitation of Harbin lespedeza at prices of as high as \$12.00 a pound are entirely without the sanction of the Federal Forage Crops Division.

Persons who fall for the absurd prices now quoted on the Harbin strain can only hope to break even by "sticking" someone else and as lespedeza seeds profusely such opportunities for exploitation are of short duration.

#### None of Them Much Good

Korean lespedeza seed may be obtained at normal prices of less than 10c per pound. However, George Wener of the College Crops Department conducted eleven trials of Korean lespedeza in as many Southern Michigan counties the past season and in none of them did this strain appear promising. Growth was small, other pastures were preferred by livestock and it did not appear that sufficient seed matured to insure reseeded. However, seed of ordinary Korean lespedeza has been matured at Augusta, Michigan, in favorable seasons. The Kobe, Tennessee No. 76 and Common strains of lespedeza are later than Korean.

Lespedeza Sericea is a perennial lespedeza which also is getting some unwarranted publicity. It, too, is southern in adaptation but a North Carolina agronomist recently told me they could find no worthwhile use for this plant except to prevent washing in worthless gullies.

Lespedeza Sericea starts slowly the first season but makes a fairly large and woody growth thereafter. It is not considered particularly palatable to livestock and present strains are of doubtful winter hardiness.

It is entirely possible that strains of lespedeza of some value in Michigan may be developed in the future. Expenditures by Michigan farmers for seed of strains now available are warranted only on a small basis for experimental purposes. The seedling of any considerable acreage in this State is a pure waste of money.

### Potato Exchange Takes New, Larger Quarters

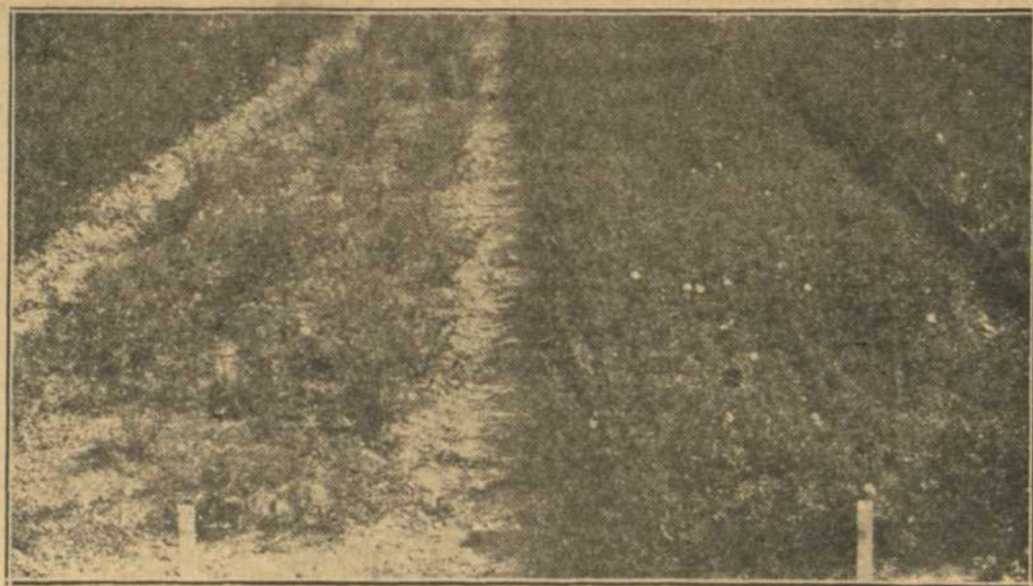
Cadillac.—The Michigan Potato Growers exchange has leased a building on West Harris st., formerly used by the National Grocer Co. The offices have been moved into the new location. The warehouse portion will be used for a wholesale service to its local associations in this section.

The exchange also plans to expand its insecticide business and will take on the wholesaling of national lines. Later the exchange may open a retail store to handle its various lines.

The new building has ample space for storage, having 41,000 square feet of floor space, elevators, automatic sprinkler system, and loading docks.

"Which would you prefer in your husband—wealth, ability or appearance?" asked one maiden lady of another.  
"Appearance," replied the other.  
"And the sooner the better."

# The Seeds Looked Alike,—But Look!



LEFT: Alfalfa not adapted to Michigan. WINTER-KILLED.  
RIGHT: Alfalfa from Michigan Seed. (State College Photo)

Here are two plots of alfalfa on test at the Michigan State College in their second summer.

The plot at the right was sown to Michigan grown seed. Note how thick and luxuriant the stand is! Plenty of cheap legume hay in a field like that. This year, and years to come.

The plot at the left was sown to seed NOT adapted to Michigan (southern States or South American seed). It winter-killed and HOW. Disease took its toll, too.

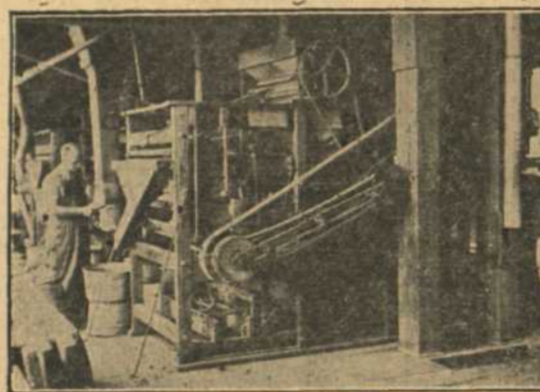
Both were fine looking lots of seed. But whoever bought seed from stocks like the pretty seed at the left bought trouble.

It's expensive,—and almost needlessly so, when a farmer sees a promising stand of alfalfa (or clover) winter-killed,—or ruined by disease in summer.

He loses the expected hay crops, his seed, labor and land return, and is set back a year's time in his operations. You can avoid such losses by getting Farm Bureau's guaranteed, Michigan adapted seed.

FARM BUREAU GUARANTEES northern grown, winter hardy alfalfa and clover seeds of the most productive varieties for Michigan. They are genuine varieties such as Grimm, Hardigan, Michigan Variegated alfalfas,—heavy yielders, free from weeds and crop mixtures. Their purity, quality and germination are top notch.

Michigan's co-op ass'ns have booked hundreds of thousands of pounds of Farm Bureau's dependable alfalfa and clover seeds for 1934. They produce the best stands and high yields.



Farm Bureau Seed Cleaning Mills  
Assure Super-Fine Quality

#### FARM BUREAU BRAND SEEDS

Are delivered to you in sealed, trade-marked, Farm Bureau Brand bushel and half-bushel sacks, direct from our warehouse to you.

#### FARM BUREAU SEED GUARANTEE

Farm Bureau Services, Inc., of Lansing, Michigan, guarantees the vitality, description, origin and purity of its Farm Bureau Brands of Seeds to be as represented on the price card and analysis tag to the full amount of the purchase price if received by the customer in our original, sealed and branded bags.

## Pays with Production



45 MICHIGAN COW TESTING ass'ns reported 161 cows culled in November, the largest number of any month in the year. Average feed costs increased 15% over the month of October.

HEAVY PRODUCING COWS hold their production and condition at lowest feed cost on home grown feeds properly balanced with Milkmaker. Our booklet Feeding Instructions tells how. It is free for the asking.

FOR YEARS MILKMAKER fed herds have taken 4 or more of the first 10 places for herd butterfat production in 1,200 herds of all breeds in cow testing ass'n in Michigan.

LIKE YOUR HERD, the job of these herds is to produce farm income. They receive everyday good farm care. It is a fact that these Milkmaker fed herds make money.

**MILKMAKER**  
Means  
**Money-maker**

MILKMAKER FORMULAS  
16, 24 and 32% Protein

## 400 Pullets---215 Eggs Daily Average for October

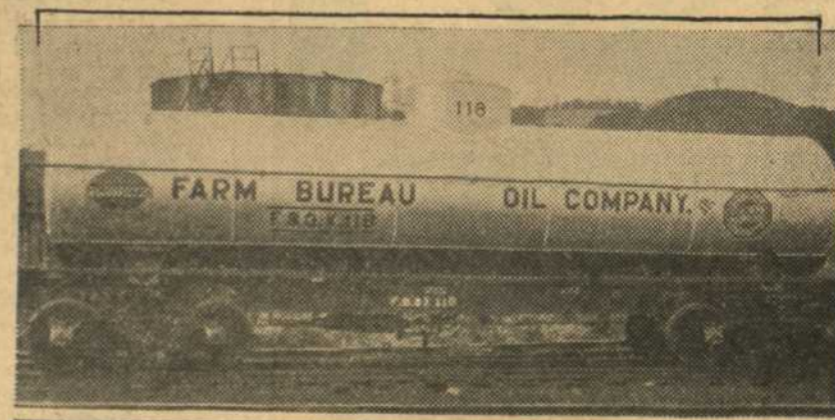
M. J. DUGGAN of the West Branch Farmers Elevator Company has a report from Mr. Fred C. Worth of the Northern Oak Poultry Farm at St. Helen, Roscommon county, that 400 April hatched leghorn pullets produced an average of 215 eggs for 31 days of October. The feed was MERMASH.



THIS IS AN EXCELLENT RECORD for 6 months old pullets in northern Michigan or anywhere, and especially when one considers no artificial lights were used.

MERMASH IS MADE of the best home grown grains, meat scraps and other feedstuffs, to which has been added a ration of Pacific Ocean kelp and fish meal to supply iodine and other food minerals lacking in our soils and crops. Poultry responds to Mermash. It aims to be the lowest priced feed of its quality. We use NOPCO XX cod liver oil, which has the vitamin D value of 8 times the same quantity of ordinary cod liver oils.

## USE FARM BUREAU WINTER OIL



Farm Bureau oils cost you less than their high priced brothers of the great oil firms taken from the same fields, because the Michigan, Ohio and Indiana Farm Bureaus own a co-operative blending plant and distributing system. See your local co-operative ass'n.

Farm Bureau Zero Grade Oils start easy and lubricate perfectly in the coldest weather the Old Man from the North brings to Michigan

Ask For  
**FARM BUREAU**  
Coal  
Salt  
Oyster Shell

## For Farm Bureau Supplies

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FARM BUREAU SERVICES, Inc., Lansing, Mich.

Ask For  
**FARM BUREAU**  
Fence  
Lime  
Greases