

WOMAN COULD HARDLY STAND

Restored to Health by Lydia E. Pinkham's Vegetable Compound.

Fulton, N. Y. — "Why will women pay out their money for treatment and medicine, when so many have proved that Lydia E. Pinkham's Vegetable Compound will make them well? For over a year I suffered from female weakness. I could hardly stand and I was afraid to go on the street alone. Doctors said medicine was useless and only an operation would help me, but Lydia E. Pinkham's Vegetable Compound has proved it otherwise. I am now perfectly well and can do any kind of work." — Mrs. N. L. P. Fulton, N. Y.

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TIME IS RIPE FOR ADDING TO FLOCKS

Sheep Are Needed to Turn Roughage Into Profits.

WE PAY FOR SELF IN YEAR

Purchase of a Moderate-Sized Breeding Flock, Therefore, Should Be Safe Investment.

By GEORGE A. BROWN, Department of Animal Husbandry, Michigan Agricultural College.

East Lansing, Mich.—With the prospect that the corn crop, even if it is a full mature, will at least produce a large amount of fodder, there are not a few farmers this season who must find a way for disposing of this roughage that will insure some return.

Roughage, unless fed to live stock, has little if any value. The problem, therefore, is one of finding stock to consume and convert this roughage into a marketable product.

On farms where there are too few animals at present to make away with the roughage supply, the far-sighted farmer will find it good business this season to either purchase young stock to feed out, or to establish a breeding herd or flock to remain permanently on the farm.

Some men are inclined to avoid handling sheep, but for this class of stock, sheep are well worth giving some thought to this season. In the first place, wool and mutton are selling at high prices. Second, the present market is in favor of these prices continuing for some time. When we consider that a breeding ewe will pay for herself the first year under careful management, the purchase of a moderate sized breeding flock should prove a safe investment.

As much cannot be said of ewe lambs, however, and I would not advise their purchase for breeding flocks at present prices. Their two years must elapse before their offspring will be ready for market.

But, in addition to these points mentioned, sheep as destroyers of noxious weeds have no equal. The absence of weeds on farms where sheep are kept is always noticeable. As a means of increasing fertility, also, sheep are a valuable adjunct to the farm, for sheep manure, aside from being rich in fertilizer ingredients that are of other farm units, is better preserved in the winter and more thoroughly distributed in the summer.

Sheep can be kept almost exclusively on roughage, with but a limited grain allowance at certain seasons of the year. This leaves the bulk of the grain produced to be sold for domestic uses. Other important factors in favor of flock husbandry at this time are those of labor and the necessary equipment in buildings, both of these items being much less for sheep than with any other class of farm animals.

For the farmer who has good pasture land well fenced, a flock of sheep, if properly managed, should prove a good investment.

WOODLOTS FURNISH FORAGE

Hogs Make Good Gains Frequently on Acorns and Other Seeds.

East Lansing, Mich.—The woodlot has long been prized as a cool and refreshing place for fanning sheep and cattle, but it frequently happens that farmers forget that their hogs also might gain something from the browsing beneath the trees. It is said in a press bulletin just issued by the Michigan Agricultural College that foreign countries have often fattened hogs exclusively upon the nuts, seeds and roots they pick up and dig in the woods.

Hogs should be permitted to clean up the acorns. The reason back of this is that hogs fatten as soon as the acorn crop matures, but in this section the crop is usually left for the squirrels. The forage resources are abundant.

There need be no fear of hogs causing serious harm to the trees. They seldom eat the foliage except the seedlings and their root system on the soil seems to better prepare it as a seed bed. Enough seed is overlooked by the swine to give abundant reproduction for another crop of hogs.

Hog foraging on wood lots has another advantage in that many insects in the acorns and other seeds are destroyed. In foreign countries this foraging is looked upon very favorably as a means of keeping down insect pests. In this country also it should receive more attention as a means of conserving the supply of other hog feeds.

WHEAT NEEDS PHOSPHORUS

Application of This Element to the Soil This Season Would Help Crop.

By PROF. J. F. COX, Department of Farm Crops, Michigan Agricultural College.

East Lansing, Mich.—It is quite advisable now and then to take a look at the soil. One of the most important of miracle-working matters by fertilizer men, who in selling fertilizers sometimes tell the farmer also. Despite these occasional exaggerations, however, there is no question as to the value of phosphates applied

to the wheat crop at the right time, in right amounts. Phosphorus should be given the farmer several times over what he spends for them, and this season their use is to be particularly recommended.

The beneficial element in phosphate fertilizers, of course, is phosphorus, and it is without doubt the most helpful substance that can be applied to the wheat crop. Wheat requires a large amount of phosphorus in order to get out plump grains and to yield heavily, but Michigan soils are a rule deficient in this mineral. The application of acid phosphate hastens maturity and increases the yield.

At the Michigan experiment station 50 pounds per acre on wheat gives a return of six bushels or over 600 per cent on money invested in fertilizer. Under average conditions about 50 to 80 pounds of acid phosphate should be applied at time of seeding, either broadcast or through a fertilizer attachment.

Acid phosphate is particularly effective when used to re-fertilize soil. Twenty-five pounds of acid phosphate with each ton of manure will more than double its value and pay for the phosphate as well.

Rock phosphate is also valuable when used in this way. From 30 to 50 pounds of raw rock phosphate to a ton of manure, either mixed with it at the time of application, or used as a stable absorber, scattered in the yard, will render the manure much more effective. When nitrogen and potash are used in connection with phosphorus, a further increase in yield, but at present prices the greatest net profit will come from the use of acid phosphate. Ammoniated phosphate likewise returns a good profit, and where complete fertilizers cannot be bought at a reasonable price their use is strongly advised.

UNION BULBS CAN BE STORED

Should Be Fully Ripened Before Pulling, and Well Dried Before Storing.

By R. E. LOREE, Department of Horticulture, Michigan Agricultural College.

East Lansing, Mich.—Onions must be properly matured, harvested and cured before they are ready for successful winter storage. August and September are the harvesting months, and crops grown from early sowings will be past the stage of maturity.

These become apparent in a weakening and shriveling of the neck above the bulb, and a yellow color of the tops. Bulbs to be stored should become full and ripe before pulling. The tops should be dead and the outer skin of the bulbs dry.

There are usually some scallions, or those with thick necks, which still are not great. These do not make suitable bulbs for storing. If they can be matured, it will be by pulling and giving the necks an opportunity to dry down.

As a rule, it pays to pull the entire crop when the larger portion of the tops have become dead. Delay in harvesting sometimes results in a second growth which injures the bulbs for storage purposes.

The bulbs, after pulling, should be entirely dried or cured in the garden or field. If the weather is moist, however, the bulbs when partially cured may be removed to a well ventilated house or shed, where they should be kept for several weeks. They should not be put into winter storage until perfectly dry. The tops should rattle and crackle when handled.

Do not attempt to store soft and immature bulbs and bulbs with thick necks. Use or sell these at once before they do not keep well. Before curing they do not keep to remove a part of the top. When topping, leave at least an inch of the stem above the bulb. Bulbs which have been topped too closely will sprout and become a pest.

Handle carefully to avoid bruising and store in a cool, dry, well ventilated place.

FERTILIZERS NOT STANDARD

College Makes Analyses and Finds Many Deficient Publications.

East Lansing, Mich.—A disposition to call "fertilizer" particularly in the amount of potash they put into their fertilizers, has been found to be a quite prevalent fault among manufacturers of soil-improving compounds.

At the Michigan Agricultural College has discovered during the course of examinations made in the past few weeks. The suggestion is therefore offered by Prof. A. J. Patton of the college, that an expert station that buyers take the precaution of making certain they are getting what they are paying for. To assist them in this, the college has published a list of manufacturers, with the results of the analyses made of their products. This can be procured by writing to M. A. C.

In all, 518 samples were analyzed. Of these, 185 or 20 per cent, were found to be below guarantee in one or more constituents; and 92, or 17.8 per cent, were below guarantee in potash. Potash deficiencies were more numerous than either nitrogen or phosphate deficiencies, which indicates that because of the high cost and comparative scarcity of this constituent, the manufacturers are attempting to hew as close to the line as possible.

There were also 43 samples which failed to furnish an amount of plant food equal in value to that guaranteed, and in six samples the value of the plant food was found to be 10 per cent or more below the value guaranteed.

DAIRY FACTS

PRINCIPAL CAUSE OF SCOURS

Feeding From Dirty Pails or Giving Rations Unhardened Stomachs Cannot Properly Digest.

Those who raise young calves by hand know that scours is one of the greatest, if not the greatest, source of loss. Dr. C. C. Lipp, veterinarian at the South Dakota college, says feeding from dirty pails, the feeding rations the unhardened stomachs of the young calves cannot digest, are the two main causes from which this trouble may arise.

The milk pails cannot be kept too clean. Scouring must be most observed if the feed pails are not to be the source of scours. Washing after each feeding with cold water is not enough; a thorough scalding at least once a day is essential and exposure to bright sunlight on every clear day will not come amiss. Bacteria are little things, but the way they live and multiply is remarkable, and the damage they can do when they get started assumes mighty proportions.

When the feed is hard to digest and the first evidence of stomach disorders appear, a dose of physic is the best cure. A few tablespoonfuls of castor oil or an equal amount of salts will remove the offending food and restore the system to working order again.

A 40 per cent solution of formaldehyde has also been found to be an effective preventive of scours. One tablespoonful of formalin is diluted in one pint of water. A spoonful or two of the solution may then be added to the calf's milk as many times a day and as long as conditions demand.

PREVENT COW FROM KICKING

Method Shown in Illustration Is Easy and Safe—Leg Tied by Means of Strong Strap.

(By E. ESCH.)

I had a heifer which persisted in kicking and struggling until it was simply impossible to milk her. A neighbor told me about a device which he adopted at once. It is

easy and safe and worked just fine. In a little while the heifer would stand without the strap.

A very good method to care a cow from kicking and to teach her to stand still while milking is to fasten a 2-by-4 timber securely to the floor and ceiling just back of the cow's head. It is a good strong strap, with a buckle, pass around her hind right leg and then around the 2-by-4 and draw up tight and buckle it. Drive a spike in the 2-by-4 part way to keep the strap from slipping down when the cow struggles to get her leg free.

Going to Land Him.

"He was caught three times before he proposed to her."

"Yes."

"And she accepted him?"

"Yes, but she's insisting on an immediate marriage. Profiting by the experience of other girls she isn't going to take any chance on his breaking another engagement."

TRY A MEDICINE THAT PROVES ITS VALUE

During the entire period of time that I have been handling Dr. Kilmer's Swamp-Root I have never heard a single complaint. My customers are generally pleased with the results and speak words of praise for the merits of the preparation.

Very truly yours,
GILL COMPANY, Druggists,
Per Julian J. Gill,
Starkville, Miss.

Sept. 28, 1910.