

FOR SALE

An Improved Farm of 200 acres, under irrigation, three miles from Mission, Texas.

This farm is in the Rio Grande Valley. I have not time to look after it. It has a house costing \$2,500.00, with barns and outbuildings to match; is fenced and in cultivation.

I am willing to sell for less than the price at which unimproved land in that section is selling.

Address W. J. BRYAN, LINCOLN, NEBR.

above ground and may develop in any delicate growing part of the corn plant. Usually no evidence of infection is noticeable until the plant is a foot or more high.

Unlike oat smut or the stinking smut of wheat, or the covered smut of barley, corn smut can not be controlled by any known method of seed treatment. Infection apparently does not take place at time of sprouting for some time following the appearance of the young plant above ground. From the nature of the type of infection it is therefore obvious that the disease can be controlled only by the removal and burning of the smutted stalks. This method, however, is practicable only when corn is grown on a limited scale.

There seems to be considerable difference of opinion as to the effect produced upon cattle or other stock when fed upon corn fodder containing smut. It is doubtful, however, whether corn smut ever produces any direct toxic or poisonous effects upon animals eating it either with grain or fodder. It is not unlikely, however, that an excessive amount of spores may mechanically affect the digestive functions, and in this way cause sickness.

The office of cereal investigations of the United States department of agriculture at the present time is engaged upon an exhaustive study of obscure or unknown points bearing upon the life history and physiology of the smut organism. Experiments will be carried on relative to the best methods of controlling this widespread disease.

EGG PRODUCING RATION

At this time of the year a good deal is heard about winter egg producing rations. It is a good sign

that this subject is receiving more attention from farmers generally, for a winter laying poultry flock is one of the most profitable sidelines on the farm. Little confidence should be placed in "egg secrets" and advertised "egg foods." A well balanced ration of good variety, however, should be provided.

* At the Purdue (Indiana) Experiment station, a ration which is recommended for laying hens is one of corn, 10 pounds; wheat, 10 pounds; oats, 5 pounds. The dry mash, fed at the same time, but from a separate hopper, consists of bran, 5 pounds; shorts, 5 pounds and meat scraps, 3 1/2 pounds. In addition to the feeds, it is also necessary to include green feed, grit, oyster shell and water in abundance and as much as the fowls will consume along with their grain and mash. With this treatment the flesh and egg forming elements are furnished in the proper proportions with the elements which produce fat, heat and energy and what is called a balanced ration is had.

Care must be exercised in the feeding. The mixed grains should be fed in the morning, in a deep litter to induce exercise, and more heavily again in the evening. The heavy feed comes at night because the fowls are not able to pick up scraps of feed during the night as they are during the day, and it is well to have them go to roost with their crops full. The dry mash is kept in a hopper.

CORN STALKS AND SNOW

It is sometimes a good plan to leave some of the corn stalks standing. Every fourth row left standing will hold a lot of snow on the land. At the North Dakota experiment station it was found that one-fourth of the corn stalks left standing stopped

about as much snow as when all were left. This will in many cases mean a good deal to the next crop. The added moisture will make the soil less liable to blow, and the standing stalks will check the wind a good deal, near the surface, and this will reduce the drifting. Better try leaving a few rows and see if it does not pay.

CARE NEEDED IN FEEDING ALFALFA

The increased production of alfalfa has attracted attention to its value as hay for horses. It is a good feed, but horses should not be allowed free access to it until they have become accustomed to its use. At first,

horses not used to eating alfalfa are inclined to overeat on account of its palatability. After it has become a regular part of their ration there is little danger. When the grain fed with the hay is oats, however, care should be taken. Oats are high in protein, and when combined with alfalfa, also rich in protein, the ration may be overbalanced, causing an excessive strain upon the kidneys. Where part of the grain ration is corn, this will not be true. Because they eat the big stems, horses will clean up the alfalfa better than any other stock.

It's easier to make a bad matter worse than it is to make a good matter better.



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