The Commoner

In the Field of Agriculture

PROFIT FROM MANURE

unfit to bear further profitable crops. soil in order to replace the ingredients which have been removed by previous crops are called manures. of manure is the farm manure. Of fine in quality." all fertilizers this is the most popular. From earliest history up to the present time the majority of farmers have placed their reliance on this class of manures for maintaining the fertility of the land.

A well-kept manure heap may be safely taken as one of the surest indications of thrift and success in farming. Neglect of this resource means of anti-hog cholera serum queen never again sees her old home causes losses, which, though little and farm quarantines. In every or her children, and even if starving appreciated, are vast in extent. It is county where these measures were to death she will not go back to the estimated that the approximate value of the fertilizing constituents of the the disease had continued its ravages manure produced by each horse or mule would annually be \$27, by each head of cattle \$20, by each hog \$4, and by each sheep \$2. It is fair to assume that at least one-third of the as a preventive, it has been found value of the manure is annually lost that the anti-hog cholera serum through careless methods of handling. At this figure it is estimated hogs in the early stages of the disthat the annual loss in the United States, based on the number of farm recovery. Hogs not treated by this valent than ever before. Investigatanimals, would reach the tremendous serum show a loss of 75 to 100 per ors of the United States department sum of \$875,000,000. Practically cent of all the affected herds. So of agriculture have practically estaball of this loss could be prevented if far as is known this serum is the the importance of farm manure was appreciated to its full extent by the farmers of the country. Some farmers actually begrudge the time and labor required to remove it from the barn and feeding lot, and it is not uncommon to see a man purchase commercial fertilizers and waste the manure produced by his stock.

end, you are liable to kill the strong- drones or male bees, from which est sprout the seed can produce. If some day the young queen may Every crop removed from the soil you cut potatoes for seed you get a choose her mate. When later the takes from it materials which have great many weak plants, which colony increases in strength the been used in building up the plant's naturally produce a much smaller queen lays from eight to twenty tissue. Soil with no fertility added yield than the more vigorous plants eggs in especially prepared wax cells. and which annually bears a crop, from the whole seed. Plant potatoes called queen cells. The egg laid in must in time become exhausted of only on good ground that has been a queen cell, being a common worker its store of valuable plant food, and in alfalfa or some other legume crop egg, will batch into a larva which for several years. Use good seed the bees will feed abundantly on Substances which are added to the that is free from disease and plant it "royal jelly." This special food and whole, cultivate and irrigate care- the large cell will make the egg defully (if irrigation is necessary) as velop a queen. The ninth day after needed, and you should harvest a the egg is laid, the bees cover the The oldest and most common form crop that is abundant in quantity and wormlike larva with hatches from it.

NO BREED OF HOGS IMMUNE

During the past year the United States department of agriculture has been conducting campaigns in Indiana, Missouri, Iowa and Nebraska to swarm settles upon some tree or control the contagious disease of hogs known as "hog cholera" by new home for them, and the old employed, even though begun after old house for one drop of honey. for some time, there was less loss from hog cholera than in either of the two preceding years.

In addition to its great function would cure a large portion of the being inoculated with the serum.

The cholera does not seem to affect any particular breed of hogs more than another, and while generally the careless farmer is more hogs than the careful one, the disease sometimes occurs where the conthe department has been to control the disease and if possible to eliminate it from the country.

with a porous cap. The queen shell at this time is not unlike a peanut in appearance. As soon as the first queen cell is opped over, a sign is given and the old queen with her workers leaves the hive. After circling in the air for a while the shrub and send. out scouts to find a

BLIND STAGGERS

In the past years horses have died by the thousands in Texas, Iowa, Missouri, Illinois, Kansas and Nebraska from a disease known as blind staggers or forage poisoning. ease and render them immune after Last year the disease was more prelished that this horse disease can be only thing that will prevent the dis- cured effectively only by a total ease. Of hogs actually sick when change of feed and forage. These treated the department's inspectors investigators say that it is quite lost but 25 per c. ...t during the past obvious that there is a direct consummer. Of well hogs in diseased nection between the green forage, herds, 2.8 per cent died after being exposed pasturage and newly-cut hay treated, and of hogs in exposed herds or fodder which the horses eat, and less than one per cent died after this cerebro-spinal meningitis, as the disease is known to science. In fact, eating of such forage when contaminated is undoubtedly the most important cause. Over 95 per cent of the cases of this disease in Kansas apt to have the disease among his and Nebraska during the outbreak in 1912 were maintained under such conditions. Great care must be taken ditions are sanitary. The object of that the horses do not obtain the dangerous forage unknown to their owners. About 90 per cent of the affected animals die. While medical treatment in the vast majority of cases has not brought results, nevertheless if it is used at all it must be prompt and before the disease has had time to run. The first and most important thing to remember is to avoid risk of disease in the first and uniform type. A quarter or half place by feeding your horses only acre is enough land, but it must be clean, well-cured forage and grain, tand pure water.



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PLANTING WHOLE POTATOES

"The first thing that interested me in the use of whole seed potatoes,' says a writer in the Denver News, "is that it practically guaranteed a perfect stand. Later we found that we could also get a better 'set on' from the whole seed, and that by giving our potatoes space in proportion to the strength of the soil in which they were planted, we could produce a crop that was more even in the size of the potatoes, because every hill came, and each hill had an equal distribution of plant food. We have also been remarkably free from disease, and we attribute this largely to the fact that we use whole seed, in which there are no cut sides to be easily infected by any disease crossing. It must be in good condigerms that may exist in the soil. We plant the whole seed, also, because we feel that the extra strength tion safe. Plant only the best seed and vitality of the plant, makes it obtainable. Suit yourself as to vamore sturdy, and by the time the riety and go ahead. food in the seed p tato is exhausted, the plant has reached a condition in which it can much more strongly resist any disease with which it may come in contact. A good, healthy dividing one large colony into two, rains. However, care must be taken seed potato will usually start a single says Francis Jaeger, apiculturist of to see that the alfalfa does not have heavy sprout-the master sprout- the Minnesota college of agriculture. which is the strongest and best The old queen with about half of the weeds, or it will be choked. The which is the strongest and best sprout the seed can produce, and if this sprout is not broken off, no other sprout will be started by that potato. Usually this sprout springs from the seed end, and as in most cases where potatoes are cut for seed gin to make preparations for it. Best and the preparatis the preparations for it. Best and the preparations for it.

SEED CORN PATCH

Many farmers are now trying the plan of using a separate breeding plat of corn. Its the only way to insure perfect purity, strong vitality separate from other corn to prevent tion to make strong plants. It must be uniform in fertility to make selec-

HOW BEES SWARM

Bees increase by swarming, or

TIME TO SOW ALFALFA

This month or next is the time for the spring seeding of alfalfa in the latitude of Nebraska, according to the Nebraska college of agriculture. The advantage of planting now is that the plants may be given an early start on account of the spring to contend with a large crop of the cutting is done through the seed First they raise a large number of disked and harrowed until seeding. I. L SARSER, Fub. 474, 26 W. Jackson Bivd., Chickeo, Ri-

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