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This preparation (unlike others) acts by absorbing rather than blister.
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QUESTIONS AND ANSWERS. Miscellaneous.

QUANTITY OF CEMENT.

What quantity of Portland cement will it require for one cubic yard of concrete, proportions being 1, 3, 6?

P. M. S. Ans .- A cubic yard of concrete, mixed 1, 3, 6, would require a trifle less than a barrel of cement.

PROTECTING TREES AGAINST MICE.

Will tar paper hurt young trees when wrapped about the trunks (two feet up) to protect from mice? If it is injurious, what is a good thing to prevent mice from girdling the trees?

Ans.-Tar paper is liable to injure the bark, especially of young trees, if tied on, or if left on in warm weather. Wooden veneer, wrapped loosely about the trunk and tied, is, probably, the best means of protection, and is at the same time an excellent preventive of sunscald. Ordinary building paper may be used; it is cheap, but not considered of much value to protect against sunscald. mound of earth about a foot high around the base of the trunk will often turn mice, and even careful and timely tramping of snow has proved effectual.

WILL BEES ACCEPT SULPHUR-SMOKED COMBS?

- 1. Will bees accept combs this summer that were smoked with sulphur last fall for moths?
- 2. Is this winter hard on bees that are being wintered outside? In this part they are flying about every week.

Ans.-1. Yes; but would not recommend hiving swarms on them, as, if they smell of sulphur, it might cause swarm to leave them. Give them to established

2. Not necessarily; but when bees fly, as mentioned, they consume much more honey than when cold weather keeps them quiet through the winter, and unless well supplied there is danger of starvation. Slip a comb of honey into the hive in place of an empty comb, or lay a cake of sugar candy on top of frames, if they appear short. Be sure you give them enough, or a little too much. E. G. HAND.

FERTILIZERS FOR ROOT CROPS-WHITE-WASH.

1. Is fertilizer beneficial to root crop? If so, what kind and quantity per acre? 2. What is your opinion of salt for root crop?

3. What would be a good mixture to whitewash the stabling of basement? Can you recommend a wash that will not rub off? J. L. K.

Ans.-1. Fertilizer is beneficial to any crop if the right kind is used in the right way. Everything depends on the crop, the kind and other manuring, if any, and, most important of all, the adaptability of the fertilizer to supply the particular element or elements deficient in the soil. Whether it pays to apply fertilizer under farm conditions is an open question. In the Maritime Provinces the farmers find a moderate dressing of complete fertilizer a great aid to secure an early, vigorous growth, which insures a profitable crop. In Ontario, where the precipitation is less, and the soil heavier, there is less likelihood of the land being exhausted of its available plant food by winter and spring leaching, and the economy of fertilizers, only under exceptional conditions, is doubtful. The use of a couple hundred pounds per acre of acid phosphate might prove profitable on turnips, and three or four hundred pounds per acre of a 2-8-4 or 2-8-6 fertilizer might be worth trying on mangel ground. We advise experiment before extensive investment in any commercial manure. Barnvard manure is the thing if you have

2. A couple hundred pounds of salt per acre is claimed by some to give profitable results with mangels. Its use for other root crops is not recommended.

3. We cannot give a recipe for a whitewash that we know will not rub off, but you might try the one published in our ' Pairy' department, last issue.

OAKLAWN QUALITY



Counts when you are through with your stallion. Counts when you are through with your stallion. Last year at the Bloomington sale the record price, \$1,95 (\$995) more than the next highest animal brought) was paid for Kimberly, imported and sold by us in 1901 to his then owner. Last week at Robinson's sale Iena was sold for \$2,200 (\$700 more than any other animal brought). This colt was bred by us, and we sold him for \$1,000. So far as we know, these were the only Oaklawn animals in either sale. Can you ask for better evidence of the value you get here for your money?

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