

INSECT PESTS ARE BANE TO PORKERS

Must Be Controlled to Make Pigs Profitable.

WORMS ARE WORST ENEMY

May Be Curbed, However, by Employment of Proper Precautions and Use of Tonics.

By PROF. GEORGE A. BROWN, Dept. of Beef Husbandry, M. A. C., East Lansing, Mich.—Between litter shortages and the high cost of farm hogs—and a few "minor" factors like top-notch feed prices—many a pork raiser today has been busy to make both ends meet. In fact, there never was a time when the ends have seemed so far apart as they do now.

worms will be found in the droppings. As preventive measures pigs should have a clean, dry feeding place, and scattering corn on foul ground is one of the most common sources of infection. Dusty sleeping quarters, where the pigs inhale more or less dust, is likewise dangerous. Where such places cannot be avoided, a frequent sprinkling of the ground with crude oil will prove beneficial. In addition, a tonic should be kept before the pigs at all times. The following is recommended:

- Wood charcoal.....2 bushels
- Bone meal.....2 bushels
- Wood ashes.....2 bushels
- Salt.....2 bushels
- Alfalfa meal.....2 bushels
- Copperas.....2 quarts

When the presence of intestinal worms is suspected the pigs should be kept off feed for 24 hours and then given the following remedy in their sleep:

- 1/2 grain sag-u-in.
- 1 dram Anese oil.
- 1/2 grain calomel.
- 1/2 dram sodium bicarbonate.

The above is sufficient for a 50-pound pig, and should be followed by two ounces of Epsom salts a day later. In cases where the pigs' cough is a great deal, lung worms are usually present, and while difficult to treat, turpentine will greatly relieve the trouble.



PROFIT IN PIGS LIKE THESE. Animals Must Be More Than Ever Guarded Against Pests This Season, However, to Make Them Pay for Themselves.

In the light of these conditions, the man who raises hogs for a living will find it to his advantage to adopt the methods of the manufacturer, whose motto is "Stop the leak!" By attention to details, frequently, many causes of loss can be eliminated.

Perhaps there is nothing which cuts so deeply into the swine owner's pocketbook as an insect pest, unless possibly, it is cholera. Worms of one sort or another are a frequent hindrance to thrift and growth, resulting in stunted and underized pigs, or in the death of the animal, if treatment is neglected. In fact, it has been estimated that the loss from worms is quite often as great as the loss from cholera.

A pig that is badly infested with worms will have an unhealthy appearance, the coat will be matted and harsh, the head drooping and the eyes dull, with the arched back, resulting eventually in loss of appetite and emaciation. If infested pigs are watched closely

EARLY PLOWING AIDS WEALTHY YIELD. CHEAP WOOD GOOD FOR POSTS

Experience Has Indicated That It Materially Increases Yields. Treatment of Poplars and Willows With Creosote Makes Them Durable as Fencing Material.

By C. H. SPURWAY, Soils Department, M. A. C., East Lansing, Mich.—The apparent demand for more wheat being made upon the Michigan farmer and his co-patriots in neighboring states, may be expected to induce many growers this season to adopt measures for increasing their yields. And of means at our disposal, early preparation of the soil is probably one of the most convenient and important—a point which has been amply proved by the experience of progressive farmers here, and by numerous experiments elsewhere. Making the seed bed ready for wheat as soon as possible aids materially in developing plant food and in establishing a proper physical condition of the soil to enable seeds to germinate quickly and send out a good root system before cold weather sets in in the fall.

Wheat usually follows oats in the Michigan rotation. It is an excellent plan to plow out stubble as soon as possible after the oat crop has been harvested. After plowing the soil, the treatment should be similar to that given when fields are summer-fallowed for wheat. The proper use of tools will depend, of course, upon soil and weather conditions.

When plowing cannot be done on account of either wet or dry conditions, it is a good plan to disk the oat stubble, and some wheat growers often disk their fields while the oats are still in shock. The disk-ing operation is especially advisable on heavy soils if the season is dry. It may also prove beneficial even when plowing is done early, because loss of moisture from the soil is prevented and a better seed bed can be prepared.

Farmers, in general, know that increased yields are obtained by summer-fallowing land for wheat, but there are two great disadvantages of this method. One of these is loss of the land for a spring crop, and the other is unnecessary depletion of soil fertility. By early preparation of the seed bed for wheat after oats, a partial summer-fallow is obtained, while the advantages of a longer summer-fallow are practically overcome. It will also be very desirable on the heavier soils to fertilize wheat with 250 to 300 pounds of acid phosphate per acre, applied at the time of seeding. If the stand does not appear good in the following spring, top dressing with 100 pounds of nitrate of soda per acre should be profitable, especially if the soil is light in color, a sign which often indicates a lack of nitrogen.

Youngsters Raise Garden Truck. More than 100 garden superiors and leaders of boys and girls clubs attended the "rural leadership" conference at M. A. C., during the week of July 9 to 14. It was announced during the course of the sessions that the Michigan State Horticultural Society and country will produce this summer at least a half-million dollars' worth of garden truck.

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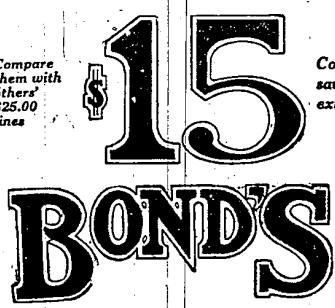
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Detroit Theatres

DETROIT. "Twenty Thousand Leagues Under the Sea" Continues. "Twenty Thousand Leagues Under the Sea" is a captivating love story woven around Verne's masterpiece of imaginative fiction of the same title.

WASHINGTON. Mary Pickford Remains in "The Little American." Mary Pickford's latest picture, "The Little American," is announced by the Washington theatre for the second and last week, starting this afternoon.

"The Little American" is a great patriotic message. Staged under personal direction of Cecil B. DeMille, in collaboration with army officers, is particularly timely, as it deals with the present great war.

MADISON. "Aldain's Other Lamp." A photoplay of smiles and tears, with Viola Dana as the star, opens a week's management at the Madison this afternoon. "Aldain's Other Lamp" is an imaginative story of his business associate's daughter. When love, mystery, wonder, humor and suspense, the leading character, is not only attempts to ruin him to his own advantage, but also proves untrue and unscrupulous as a husband. The action throughout is of the direct, gripping style, and the play affords ample opportunity for each member of Miss Bonnell's company.

GARRICK THIS WEEK. "The New Henrietta." A comedy of dense dramatic moments and of the unexpected, will be the offering of the Bonnell Company at the Garrick theatre next the ninth week by the present engagement.

This play was first written by the veteran playwright, Bronson Howard, and later brought up to date by Winchell Smith. The veteran actor, William Crane, has been closely identified with its success, both in the original and reconstructed form, and always it has proven an ideal vehicle for his fiery and suave comedy methods. Incidentally it served for the leading role of Douglas Fairbanks in this city as an actor in the hands of "Vivie Dana." Robert Walker plays opposite Miss Dana.

Other Lamp" is an imaginative story of his business associate's daughter. When love, mystery, wonder, humor and suspense, the leading character, is not only attempts to ruin him to his own advantage, but also proves untrue and unscrupulous as a husband. The action throughout is of the direct, gripping style, and the play affords ample opportunity for each member of Miss Bonnell's company.

Precious Stones. To clean precious stones: Wet precipitated sulphur moistened with alcohol. A mixture of one part of washed flowers of sulphur and two parts of fine washed tripoli powder is also adapted for this purpose. The mixture, by means of soft leather, is rubbed on the stones. Places that are not accessible by means of the chamfron can be treated with a small brush, a second brush being employed to remove the dust. If the gems are set in silver the sulphur must be omitted. —Philadelphia Ledger.

Turn Over. A man isn't necessarily a crank because he is always starting something

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