

How to Prevent Grasshopper Damage to Tobacco.

The grasshoppers are doing considerable damage to tobacco. The writer recently saw small crops that were completely ruined by this pest. It is not necessary to be helpless in the face of grasshopper attacks for we can successfully combat a plague of this kind with a reasonable expenditure of money and labor with a consequent saving of the crop.

Grasshopper control measures may be grouped into two divisions: 1st, those which deal with the destruction of the eggs; and 2nd, those employed in destroying the hoppers, both young and adult. To destroy the eggs fall ploughing should be done about 15th of October and all rubbish removed or burned. We shall deal with the control of the young and adult hoppers in this article.

The bait is prepared according to the following formula:

Bran, coarse flaked if possible or shorts.....	25 pounds
Paris green.....	1 pound
Lemons or oranges.....	6
Cheap molasses, such as sorghum or black strap.....	2 quarts
Water.....	4 gallons

The dry bran and Paris Green should be placed in a large tub and thoroughly mixed with a hoe or wooden stick. The bare hands and arms should not be used. The syrup or molasses should be dissolved in three gallons of water, to this add the lemon or orange juice followed by the finely grated pulp and peel of the fruit. The resulting mixture should be poured slowly over the poisoned bran, at the same time the entire mixture should be stirred so that every particle of bran is thoroughly dampened. If the bait will hold another gallon of water it should be added. The bait may be mixed any time during the day, but should not be kept more than 12 hours before scattering in the fields.

The proper time to apply the bait is late in the afternoon. The bait should be sown by hand or by a broadcast seeder over the parts of the fields containing grasshoppers. Where the pests are very numerous the amount of bait prepared by using 25 pounds of bran should be sufficient to cover five or six acres. The cost including labor is from 11 to 25 cents per acre. Where the grasshoppers are very abundant it may be necessary to repeat the application of the bait a second time at intervals of two or three days. Under no circumstances should the poisoned material be sown thickly or placed in heaps in a field.

The effects of the bait are not immediate, some hoppers may begin to die 4 hours after the poisoned material is applied while others will be dying 2 to 5 days later.

The Criddle Mixture in modified form, is very effective and cheap but is a little less effective than the poisoned bran bait.

It may be made according to the following formula:

Fresh horse manure, free from straw one-half barrel or 50 pounds. Paris green, 1 pound. Lemons or oranges, 6 to 8.


Sufficient water should be added to make the mixture damp. If older manure is used add one pound of table salt to the mixture. Mix thoroughly, apply thinly, and observe all precautions exactly the same as for the poisoned bran bait.

H. A. FREEMAN,
Tobacco Inspector.

It is a dangerous thing, when you have let slip an unfortunate remark, to try to cover up the blunder.

Mrs. G.—was talking with the wife of Judge H— about her son's choice of a profession. "I don't want him to be a lawyer," she said.

"Why not?" said the judge's wife. "I think there is nothing much finer than the legal profession for a bright boy." "Well," said Mrs. G.—bluntly, "a lawyer has to tell so many lies." Then it dawned on her that she was talking to the wife of a lawyer; so she hastily added, "That is—er—to be a good lawyer!"



Drive to the Dealer who Supplies TITAN Service

THAT "good-follow" feeling, so desirable in Service Stations, awaits you.

TITAN is a "Better Battery"—because it is built RIGHT from its first component part—the Grid.

Whether it is a small Ignition Battery or a large one for an electrically driven truck TITAN construction and TITAN overload capacity proclaim it the RIGHT battery to install.

There is a TITAN storage battery for every make and type of car.

If you do not know the TITAN Service man in your vicinity, write our nearest House.

Northern Electric Company

LIMITED

MONTREAL	TORONTO	REGINA
HALIFAX	LONDON	CALGARY
OTTAWA	WINNIPEG	EDMONTON
	VANCOUVER	

WHEN BUYING FEED

BUY OIL CAKE MEAL

AND THE OLD, RELIABLE

LIVINGSTON BRAND

IMPROVES LIVE STOCK INCREASES MILK VALUE

Fine Ground, Coarse Ground and Pea Size

Manufactured and for sale by

The Dominion Linseed Oil Co., Limited

Mills and Offices at Baden, Montreal and Winnipeg

Branch Office: 1009 Royal Bank Bldg., Toronto

When writing advertisers will you kindly mention "The Farmer's Advocate"