

AFTER INSECTS INJURIOUS TO THE TEXAS PECAN

The Most Important Insect Attacking the Pecan in Texas is Nut Case Bearer.

Professor S. W. Bilsing gave an illustrated lecture on "Insects Injurious to Pecans in Texas" before the meeting of the Horticultural Society Tuesday afternoon.

The most important insect attacking the pecan in Texas is the nut case bearer. This insect causes a loss varying from ten per cent up to thirty per cent of the crop, depending chiefly on climatic conditions. Last year the damage was less than in previous years.

There are four stages in the life history of this insect. The adult or parent is a small gray moth which is very difficult to find.

The larval or worm stage of the insect is the part of the life history which does the damage. The insect hibernates or spends winter in the larval stage at the base of the buds. In the spring about the last of April the larval commences feeding in the ends of the new growth of the twigs and turns to the resting or pupal stage in the burrow where it fed. The moth which emerges from these pupa deposits its snow white eggs in the middle of the pestle of the young nut or under the colyx. Eggs are also sometimes deposited at the base of the nut. The larva which hatches from this egg enters the nut at the base and hollows out the interior of the nut. It is this generation which does the most damage. However the average person notices this damage less than the damage of succeeding generations. After the larva has become fulgrous it turns to a dark brown pupal or resting stage within the nut. The larva itself is a pinkish color when first hatched but later turns to a gray color with a greenish tinge. Just before pupation it turns bright green.

There are four generations during the spring and summer. The larvae of the first two generations hollow out the nuts. In the third generation the larvae lives between the hull and the nut. The moths of the last generation oviposit on the leaf buds. The larvae which hatch from these burrow under the bud and remain there until the next spring, when life cycle is repeated.

About fifteen species of parasites keep this insect in a greater or lesser degree of control. They do the most good after the first generation and succeed in keeping the later generation pretty well in control. Were it not for these parasites this moth would destroy the entire crop of nuts in many cases. According to the data we have compiled they control about sixty percent of the larva.

The most effectual artificial control method is to spray with arsenate of lead at the rate of three pounds per fifty gallons of water just after the nuts have been pollinated and again in ten days after the first spraying. It is desirable to use a good spray gun so the liquid can be effectually forced into the nut clusters.

It is reported that 95 per cent of the people of Hungary want a king. Well, can't 95 per cent of any free nation get together and elect a king? —Cleveland Plain Dealer.

EASTERN EDITOR PAYS A VISIT TO COLLEGE CAMPUS

Addressed Faculty and Students on the Subject of Conservation and Reaction.

On Tuesday the College community was surprised by a brief visit by Theo. H. Price of New York, Editor of Commerce and Finance. Mr. Price had promised to visit the College in the event that he should happen to come to Texas soon, but his telegram received Monday stating that he would make us a visit on the following day took us somewhat by surprise. Owing to the continually growing interest in Commerce and Finance we were justly delighted to have its editor make us this visit though it was such a short one—a stop off between trains.

Mr. Price was here under the auspices of the Social Science Seminar. His address like his articles, though very short was very much to the point. His remarks were on the general subject of conservation, and reaction. He said if our language were idiographic these two words would look alike. He deprecated the present tendency of certain leaders to make indiscriminate condemnation of persons and philosophies as being radical and bolshevik. Society can progress only by reaching out for higher ideals. He pleaded with us, therefore, not to close our minds to concepts simply because they are new.

It would seem that unless persons occupying positions of leadership will hold such counsel as that voiced by Mr. Price the genius of our institutions may be impaired. Before we know it we may be persecuting the innocents. At this time the state of public opinion in money respects resembles that of a mob, turning on any subject to which a loud voice may call them.

After his address, through the kindness of Dr. E. P. Humbert, Mr. Price was given a birdseye view of the Experiment Station farms and the College grounds and buildings. He expressed great interest in, and admiration for the work of the College. He promised to visit here again, probably next fall when he will have longer to stay.

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The best automobile on the market needs proper fuel in correct proportions as well as proper management and care in order to do its best work. The same thing is true of livestock.

A scrub hog may look like a real hog, grunt like a real hog and eat like a real hog, but it does not produce profit like a genuine purebred hog when properly fed and cared for.

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