

● **Direct Seeding**

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beans and onions and said he believes vegetable growers are missing a bet if they do not use some of these newer chemicals.

George Berggren extension agronomist also mentioned Diphenamid. He said it has not yet been approved for use but that it looks good on soy beans, strawberries and new legume seedlings but the University specialists want to see more work with the chemical before they make any recommendations.

Berggren said Atazine is still one of the best chemicals for use in corn weed control but it does create a problem of seeding a cover crop or a winter grain following the corn crop.

Lorox an experimental chemical may push atazine for the top spot in a few years because it does not last as long in the ground and it has given good control on weeds up to six to eight inches tall.

Lorox is pretty hot, he said. It should be used pre-emergence or directed away from the corn plants if it is used post-emergence. There will be very little Lorox on the market this year, he said.

Atazine is still one of the best chemicals for controlling most grasses and broadleaved weeds, he said, but if the field has a bad problem with nut grass and quack grass, Amitrol-T should be added to the Atazine and sprayed post-emergence when the corn is six to eight inches tall.

Berggren also suggested cultivation at least once even with the use of chemicals especially if the soil has a tendency to crust.

Now is the time to spray pastures for wild garlic control, he said. Waiting till later in the spring will materially reduce the effectiveness of spraying.

The ester form of 2,4-D at the rate of 1½ pounds per acre on bluegrass pasture will kill the new growth and most of the bulbs that have started growth. It may take two or three yearly sprayings to kill all the bulbs, he said. Five to 10 gallons of water per acre should be enough to do the job. Cows should be kept off the pasture for 10 days after spraying.

Herbert Cole extension plant disease specialist said Nematodes are becoming one of the major pests on perennial ornamental plants. He said the Pennsylvania Department of Agriculture's Bureau of Plant Industry is beginning to inspect for nematodes in the soil on the roots of nursery stock. Large infestations of nematodes will result in lack of certification by the bureau.

Heavy nematode populations on the roots will make the plant appear to be suffering from lack of fertilizer. Control of the microscopic-sized worm is usually too expensive for annual plants, he said.

Cole also told spray operators they might have to go into potato fields as many as two or three times a week when blight is moving. He said the practice of spraying once every week or 10 days will not stop a blight outbreak. Spray with Maneb whenever needed, he recommended.

John Pepper extension entomologist said many cases reported as corn borer last year actually turned out to be stalk rot.

Pepper said 12 stalks per

hundred was the highest infestation he could find in any field last fall, but the incidence of down corn from stalk rot often ran much higher.

There is much evidence to show that the disease builds up in soil with corn-after-corn. He recommended rotation of crops if the disease appears to be building up in any particular field.

There is no spray control and no one variety looks better than any other when stalk rot is bad, he said, but added last year was a particularly bad year for the disease.

We can look for the hatch of 17 year locusts about the first of June this year, he said. Sevin, sprayed when the first egg cuttings appear on the tree branches will give good control.

Mites are becoming one of the more serious insect pests on fruit and vegetable crops. Pepper said. He recommended spraying fruit crops and vegetables with a mixture of Malathion, Kelthane and Tedion seven days before harvest.

The meeting was sponsored by the Lancaster County Extension service and was under the direction of Arnold Lueck, assistant County Agent.

● **Swine He**

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hogs. In its business meeting, association elected four directors, by breed, to three-year terms.

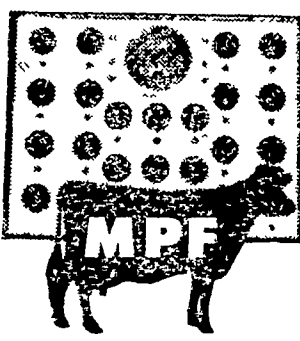
They are Harold Rohrer, Lancaster R7 Chester White; Harold R. Endslow, Marietta R1 Poland China; James Z. Martin, Christiana R1 Landrace; and J. Harold Frey, Marietta R1, commercial.

Members also approved an amendment to the by-laws permitting free junior membership to all 4-H Club members and Future Farmers of

Lancaster show. States was J. Heri, Landis, was C. Warren L. ver R2, association exhibitor of champion barrow of Lancaster show.

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