

Use 2,4-D Carefully Warns County Agent

By: M. M. Smith, County Agricultural Agent

Chemical weed control is very popular throughout the country and may be used as a supplement to clean cultivation with good results.

However, spray operators should keep in mind that chemicals will also kill other crops in the area through drift of both the spray and the resulting fumes.

In the case of 2,4-D, one of the most common chemical weed killers, there are three forms of the material that will kill weeds as well as many needed crops and vegetation. Spray operators should become well acquainted with these three materials and use them very carefully.

The most potent form of 2,4-D is the ESTER form; this material will release fumes for several days following the spray application; these fumes are also very dangerous and will kill susceptible plants as much as a mile away; on a calm day these fumes will collect and move slowly over an area killing many crops and plants as they move; crops such as legumes, tobacco, shade trees, roses, grapes, tomatoes, and others are quickly affected. The Ester form of 2,4-D SHOULD NOT BE USED AFTER MAY 1st; too much risk is involved by using it during the growing season.

The low volatile ester form of 2,4-D is less dangerous than the regular ester form but still will release some

dangerous fumes in very hot, humid weather. This is another risky chemical to use around or near susceptible crops.

The Amine form of 2,4-D is the safest one to use during the growing season and is the one recommended for corn fields and for tobacco ground prior to planting; very few fumes are released from this type of chemical but caution should be used in not spraying too close to the above mentioned crops or plants. In the case of tobacco the plants are easily damaged by any form of 2,4-D; however, weedy fields may be sprayed 10 days to two weeks prior to planting, and then cultivated before the plants are set out.

Spray operators are urged to be especially careful in the use of all 2,4-D chemicals; many home owners in near-by sub-urban areas may hold the sprayer owner responsible.

Advertisers will be glad to have you mention Lancaster Farming when answering advertisements.

For Fun and Profit

Grooming Club Calves

By: Victor Plastow
Associate County Agent

A club member will not only learn a lot from having his animal in a show but will have a lot of fun as well. The local club roundup is the first place to show club animals. There is no better way than at the roundup to show other club members, parents, and people in the neighborhood what a good job has been done in caring for and training the animal.

Each county may have a county-wide roundup at which the best animals of each breed are selected to compete in a district show. Being selected to take an animal to the district show gives the member an opportunity to put his animal in competition against the best animals in surrounding counties. Remember there are three parts to our dairy shows: (1) judging the animal on type, (2) judging the fitting you have done on your animal, and (3) judging showmanship contest.

In addition to the club roundup, the county-wide show, and the district show, the club member may have the opportunity to take his animal to the Pennsylvania Junior Dairy Show and also the Pennsylvania Farm Show. At this latter show, the club member may enter his ani-

mal in the 4-H class and in open competition as well. This gives the club member an opportunity to show his animal before many people and to see some of the finest dairy animals compete in the show ring.

The animals should be brought into the barns at

least ~~two~~ weeks before the show and kept there most of the time, allowing them to go outside for exercise only. Keep them out of the hot sun and dew, since they tend to harden the skin and thicken the hide.

Feeding is the most important phase of the fitting program. A good fitting and growing ration contains about 16% protein and 1600 pounds of digestible nutrients per ton. Use enough of

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In attending to his many civic and business affairs, Edmunds finds that a neat and efficient office is a necessity.



Rohm & Haas field representative Bill Hughson joins Edmunds in a look at one of the water hazards on the new golf course.



Edmunds checks proper dosage of DITHANE M-22 as McQuade fills sprayer. Both like the easy mixing of this 80% maneb fungicide.



Edmunds discusses his DITHANE M-22 needs with Raymond Howard, Manager of the John Watson Co. store at Fort Fairfield.

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Judy, 5, and "Mike", 8, join their father on the front steps of the family home in Fort Fairfield. Pet Siamese cat, "Sim", relaxes while German Shepherd, "Ears", shows how he got his name.