

## Penn State Unveils New Pesticide Detection Tool For Checking Foods

A new pesticide detection tool has been placed in the hands of food inspectors by a Penn State University biochemistry graduate student.

The tool is a new method for determining residues of the insect spray dimethoate in milk and other farm products. Dimethoate is used to control flies in dairy barns and to kill aphids and mites on a variety of fruits and vegetables.

The development of the new pesticide detection technique

was conducted by Dr. Henry F. Enos Jr., who was working on the problem as part of his requirements for the Ph.D. degree in biochemistry under the direction of Dr. Donald E. H. Frear, head of the Penn State Pesticides Research Laboratory. The new method has been successfully tested on pesticide residues on apples, cherries and grapes, alfalfa and a variety of field crops, on many common garden vegetables,

and in milk, the biochemists said.

Enos reported that, although dimethoate was used heavily in some of the dairy barns and loafing pens during the testing, "no detectable amounts of dimethoate residues" were found in the milk, indicating the good possibility for safe pest control in barns.

The dimethoate analysis method is a valuable tool for food inspectors and produce buyers to help insure that the public will not be subjected unknowingly to residues of pesticides, according to Professor Frear. This method will be added to the growing list of tests which public health officials have at their disposal.

## HOLSTEIN CLUB HOLDS JUDGING PRACTICE

by Earl Stauffer, reporter

The third meeting of the Northern Lancaster County 4-H Holstein Club was held at the home of Clarence Stauffer, Ephrata R1, recently.

The meeting opened with a judging contest consisting of 3 classes of Holstein cattle which was followed by a business session and social hour. 52 members and seven leaders were present. Two new leaders are Ray Harbold, for the northwest section of the county, and Clyde Martin for the eastern section.

The next meeting will be held June 23 at the Robert Hess farm at Strasburg R1 at 7:30 p.m.

## Dairy Demand


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at home and abroad is increasing.

Hesseltine believes dairy farmers should seriously consider simplifying and expanding their production units increased efficiency and ease of operation. Units should be large and efficient enough to allow dairy farm workers at least one day off a week, adds.

To make one pound of butter requires approximately 10 pounds of whole milk. One pound of whole milk cheese takes 10 pounds of whole milk and one gallon of ice cream takes 12 pounds

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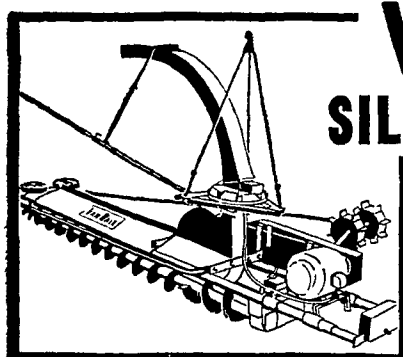
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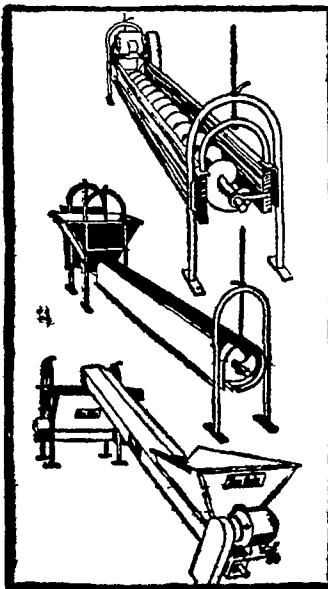


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