

## Beef Cattle Gain Faster if Fly-Free; PSU Has Plans for Automatic Sprayer

Beef cattle gain faster on pasture if kept free of biting flies. This was rather forcibly shown on a Centre county farm last year where the electric eye controlled sprayer devised by Dr. Tien Hsi Cheng of the Pennsylvania Agricultural Station was used. When sprayed daily the average rate of gain per animal was increased a half to two-thirds of a pound per day.

The electric eye controlled sprayer consists of a frame work of sprayer pipes and nozzles that can be set in a doorway or chute through which the cattle may be caused to pass. Pressure is applied to the spray material by means of a pump activated by an electric motor. In case of need by hand or a trigger. Several different commercial fly sprays have been used with success.

One of the original designs of the sprayer provided for its activation by means of a treadle. Cattle were sometimes frightened by having the floor tilt under their feet and dashed through the doorway before they were well sprayed. They are not disturbed by the electric eye. Dr. Cheng reports, and seem to enjoy the resultant spraying.

With the electric eye controlled sprayer, all parts of the animals are sprayed except their heads. About 100 head can be treated in

10 minutes once the equipment is set up and the cattle become accustomed to its use. Cost per application is one cent or less per animal.

A more complete report of the work with the electric eye controlled sprayer including plans for construction of this piece of equipment is found in Station Bulletin 626, free on request. Dr. Cheng now is busily engaged in adapting the device for use with aerosol bombs. Preliminary results are favorable.

## State Finds Few Egg Law Violations

HARRISBURG April 17—State Secretary of Agriculture William L. Henning today said a 3 month survey made by the Bureau of Markets shows adequate compliance with the State's revised official egg standards.

On Jan. 16 revisions went into effect requiring all egg cartons to be labeled with the identity of the packer and the grade and size of the eggs claimed to be in the carton. The only eggs that can be sold in cartons without grades must be labeled "not classified."

The egg standards were revised at the request of the industry

## 92 Fairs to Be Held in State During 1958

The state yesterday released the dates of the 92 community fairs and farms shows to be held in the Commonwealth during the coming summer and fall.

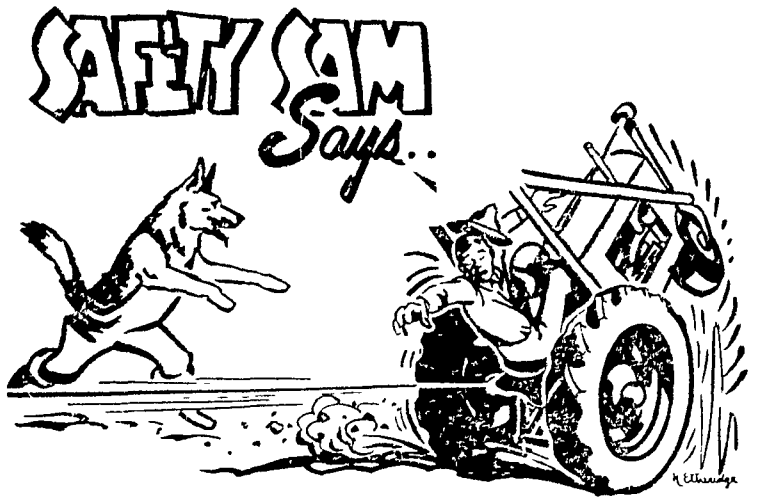
While 14 fairs held last year have not planned their events for the coming season 12 that skipped 1957 showings will be held in 1958. Two new fairs have been added to the list.

The Pennsylvania Junior Dairy Show will be held Sept. 18, the National Livestock Exposition Nov. 11-15, and the Farm Show, Jan. 12-16, 1959, all in the Farm Show Building in Harrisburg.

Here are the fairs to be held in this area:

Goshen County Fair, West Chester, July 28-Aug. 2, Kutztown Fair, Kutztown, Aug. 18-23, Reading Fair, Reading, Sept. 7-14, York Inter-State Fair, York, Sept. 9-13, West Lampeter Community Fair, Lampeter, Sept. 24-26.

Ephrata Farmers Day, Sept. 24-27, Oley Valley Community Fair, Oley, Sept. 25-27, New Holland Farmers Fair, New Holland, Oct. 14, Manheim Community Fair, Manheim, Oct. 24, Myerstown Community Fair, Myerstown, Oct. 3-10, Unionville Community Fair,



For pullin' things and liftin' The tractor can't be beat, But hook 'em on the drawbar, And NOT beneath the seat.

Unionville Oct. 9-11, Dillsburg Community Fair, Dillsburg Oct. 16-18.

Missing from the list are fairs or farm shows usually held at Quarryville, Lititz, Mt. Joy and Elizabethtown. Dates have not been set as yet for these events.

## February Meat Output Down 11 Per Cent

Production of red meat by commercial slaughter plants in February totaled 1,809 million pounds. This is 11 per cent less than was produced in February 1957 and 20 per cent below January 1958 production.

## Here's your Smartest Choice!

WITH A 272 LINE STRAIN as a minimum and with other matings with higher egg records, we can assure you a better chick for less money.

LONG LIFE of high production—for 35 years long life and high production have been bred into Musser Laymore Leghorn chicks. That means more profit for the same amount of chick investment.

**MUSSER'S**  
*Laymore Leghorns*  
a better chick for less money

PREMIUM PRICE and better demand for white shelled eggs—you'll profit more with Musser Laymore Leghorns 'cause they lay the large white-shelled eggs that Mrs. Housewife wants and your egg marketing man prefers!

SAVE 2½ POUNDS of feed per dozen eggs produced—government figures show that a white leghorn pullet laying 120 eggs a year uses 7.47 pounds of feed for each dozen eggs produced. Jump her production to 200 eggs a year and she uses only 4.91 pounds of feed to produce each dozen eggs. Save that 2½ pounds of feed per dozen eggs produced and then some by housing Musser Laymore Leghorn chicks—they produce 200 and better eggs a year.

24 OUNCES to the dozen—all hens used in breeding check out with egg records of at least 24 ounces to the dozen. More large eggs mean more premium prices that can be yours through the breeding that goes into Musser Laymore Leghorn chicks.

20 POUNDS LESS FEED—since Musser Laymore Leghorns are smaller bodied than the larger breeds—even though they produce more eggs—they eat approximately 20 pounds less feed during a year than larger breeds. That's A TON OF FEED LESS A YEAR for every 100 birds! Good enough reason alone to put in Musser Laymore Leghorn chicks!

15% TO 20% MORE pullets in your house without crowding—smaller Musser Laymore Leghorns do not need as much space—allow you to take more eggs from more birds from housing space you have available.

GUARANTEE We guarantee 100% live delivery and satisfactory performance of chicks ordered. We will adjust any complaints within reason.

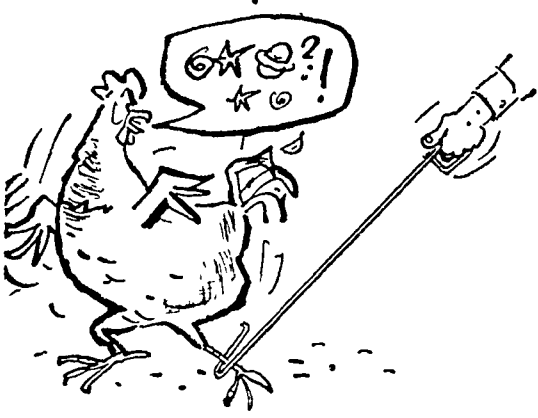


**Musser Leghorn**  
FARMS

Order Your Chicks Today!

R. D. 1 Mt. Joy, Pa. Phone Oldfield 3-4911

## FREE - Handy Chicken Catcher



you'll want to get one of these Musser Leghorn Chicken catchers. They'll help you to see close up—as chicks grow into pullets—the body conformation, alert eyes, and the healthy skin texture that makes Musser Laymore Leghorns your smartest and most profitable choice.

Just send this coupon to Musser Leghorn Farms, R. D. 1 Mt. Joy, Pa. Yes—without obligation—please send your FREE Chicken Catcher!

Name .....

Address .....

Kind of layers housed ..... No. of layers housed .....

## Protect Your Forage The Eastern States Way



Purchase HEPTACHLOR Now From Your Local Eastern States Service Center

Eastern States Farmers' Exchange

Quarryville Service Center  
Tel. STerling 6-3647

Lancaster Service Center  
Tel. EXpress 4-3756

FOR BETTER YIELDS of PAYING CROPS!

**Hoffman**  
SEEDS

ALFALFA · OATS  
CLOVER · LADINO  
FORAGE CROPS  
PASTURE GRASSES  
and >>>>>>>>



For Delivery Direct to Your Farm Contact:

Elmer Brill  
39 E. Willow St.  
Elizabethtown, Pa. EMpire 7-5441

Noah B. Weaver  
R. D. 1 Narvon Pa.  
Morgantown 6-3412

Martin R. Kraybill  
R. D. 1 Elizabethtown, Pa.  
EMpire 7-2696

E. C. Seldomidge  
Quarryville, Pa. STerling 6-2951

Edgar C. Umble  
Gap, Pa. Hickory 2-4525

Jason H. Mellinger  
R. D. 1. Ronks, Pa.  
Strasburg OVerland 7-2383

Jonathan S. Shirk  
R. D. 1 Bareville, Pa.  
Leola OLdfield 6-6368

Frank H. Bucher  
P. O. Box 62 Rothsville, Pa.  
Lititz MADison 6-6504

C. B. Erb  
Landisville, Pa. TWinoaks 8-2531

Levi M. Stoltzfus  
R. D. 2 Elverson Pa.  
Morgantown 6-4359

Lester Erb  
R. D. 3 Lancaster, Pa.  
Landisville TWinoaks 8-3216

A. H. HOFFMAN SEEDS, INC., Landisville, Pa.