

Effects of Nutrition

(Continued from page 6)

6 animals

At Beltsville, for example, where the project was started in the fall of 1956, lots 1, 2, and 3 are on full feed. Lots 4, 5 and 6 are on the equivalent of two-thirds full feed. And lots 7, 8, and 9 are fed rations calculated to maintain weight.

In digestible proteins, however, there is another division. Lots 1, 4 and 7 daily receive 0.23 pound of digestible protein per 100 lbs of body weight, lots 2, 5, and 8, a daily ration of 0.15 pound, and lots 3, 6, 9, only 0.06 pound. Fifteen-hundredths pound per hundred pounds of body weight is recommended by the National Research Council for normal growth of 600 pound heifers.

IN THE BELTSVILLE experiment, all feeds are pelleted and

heifers on limited amounts of energy (feed) are fed individually. The same feeds are used at Jeanette, except that they are ground and not pelleted and the heifers are all group fed.

All heifers went on test late in 1956 or early in 1957 as weaning calves less than a year old. They are being observed for the occurrence of heat or estrus, and ovarian activity is being determined by rectal palpation at regular intervals.

None of the heifers was bred during the first 8 months of the trials. Since then, each heifer has been bred at each heat period. Records are being kept of the conception rate of heifers in each lot, and of the vigor and growth rates of the calves born.

The trials will probably be completed in 1959 or 1960 after each group of heifers has had opportunity to calve twice. Calves have

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been dropped by heifers in all groups at Beltsville. Several of the heifers, however, have not yet calved.

No attempt will be made to appraise or compare results until trials are completed at both stations.



A YORK COUNTY youth won the Yorkshire Breeder's judging contest Friday at the Guernsey Breeders' Pavilion. He is Gordon Shime, Rt. Seven Valleys. Right, High among the Lancaster county entrants was Donald M. Henry, Refton, shown here congratulating the winner. (LF Photo)

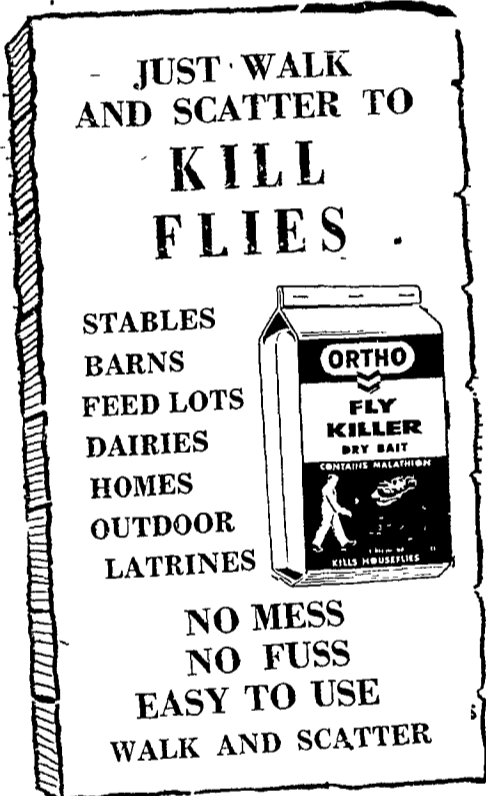
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