

Lean Hogs
(From page 13)

other hand, continued to increase in both of these traits. They averaged 35.2 pounds at weaning and 1.58 pounds in daily gain from weaning to probing.

Dams of fourth-generation high-line pigs were 24 pounds lighter at breeding and 90 pounds lighter when farrowing than low-line dams. Thus, the nutrients high-line sows provide to their offspring during embryonic development and the suckling period would certainly be less than those provided by leaner-than-average dams to their offspring.

In the Yorkshire lines so far, the responses of weaning weight and postweaning growth rate have been opposite to those in the Duroc lines. This probably due to the fact that the Yorkshires used in these studies tended to be larger and leaner to start with than the Durocs. A given change in fatness would thus have no immediate effect on the weaning weight and postweaning growth rate of Yorkshire pigs, while the same change would immediately become apparent in Durocs.

There has been no difference thus far in either litter size at birth or at weaning between the high and low lines, indicating that select-

ion has had no adverse effects on sows' fertility or mothering abilities. Both Duroc lines averaged about ten pigs per litter at birth and 7.7 pigs at weaning in the fourth generation.

A significant feature of these studies — and perhaps of most interest to consumers — is the fact that high and low lines of both breeds are diverging rather steadily in several important carcass characteristics.

Fourth-generation low-line Durocs averaged 4.8 percent less fat than high-line Durocs, and surpassed high-line Durocs by 4.1 percent in yield of lean cuts and by 1.1 square inches of loin eye muscle area. On the basis of 200-pound pigs, those selected for leanness would yield 8.2 pounds more lean meat and 9.6 pounds less fat than high-line pigs.

Differences in carcass yields and measurements between high and low line Yorkshires are smaller, but they are pointing in the same direction as those in Durocs.

To control diseases of fruits, sprays must be applied at intervals to give adequate protection to all susceptible parts. Allen Bauer, Penn State extension plant pathologist, announces that spray schedules for all fruit crops are available from your county agricultural agent.

Systemic Spray
(From page 13)

treated, also commented on the apparent improved condition of their cattle at the end of the wintering period as compared with previous years.

Grub counts on individual animals, in the untreated herds, ranged to a high of 49, with the highest herd averaging 19 grubs per animal. Some three-fourth of the cattle in the treated herds were entirely grub free with no individual animal showing more than three grubs. All cattle checked in three of the seven herds were entirely grub-free.

Observation of the herds involved will continue thru the season to note heel fly activity on summer range. An attempt also will be made to check weight gains in the fall of 1960 in comparison with weights taken on a sampling of calves and yearlings at the time of treatment in the fall of 1959.

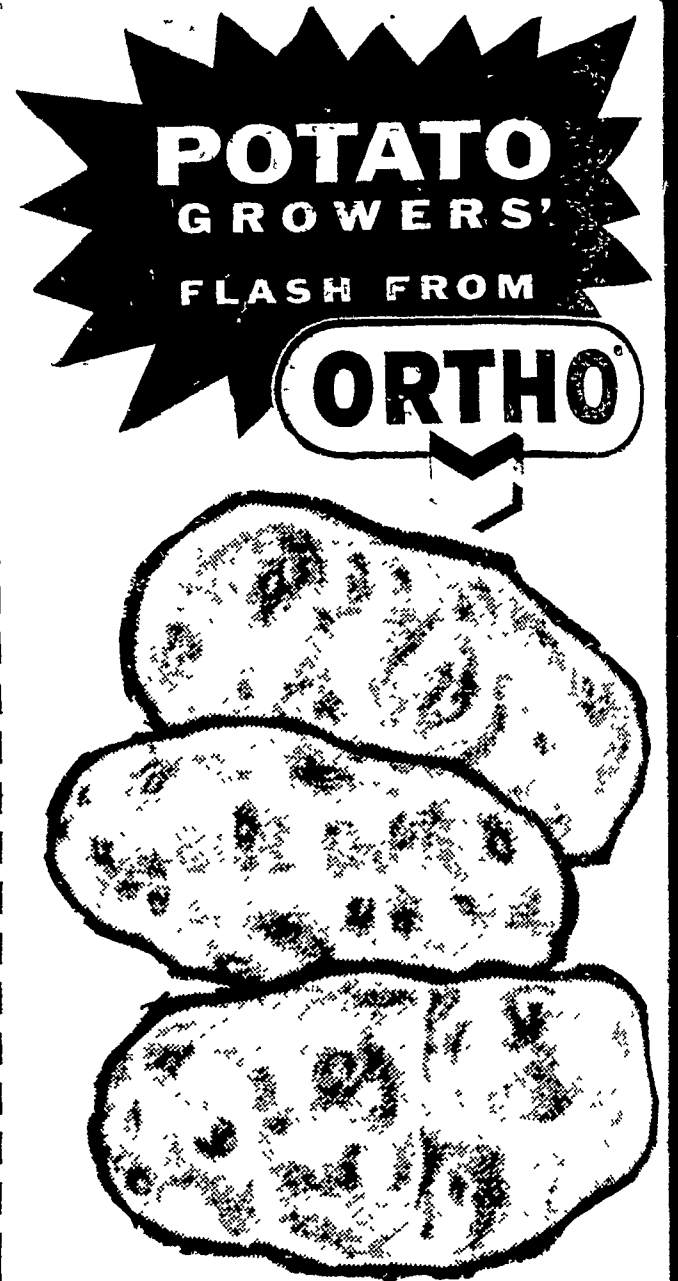
PREVENT DAMAGE

Cottontail rabbits like to feed on new growth in home gardens and flower beds. Robert Wingard, Penn State extension wildlife management specialist, says fencing with a 1-inch mesh poultry wire 18 inches to 2 feet high will protect the plants, or chemical repellents may be used to make the plants distasteful.

Labor receives almost as much of the consumer's food dollar as does the farmer. Of the \$57.7 billion Americans spent for food in 1958, the farmer received \$20.8 billion, labor got \$17.5 billion, and the remainder went for processing, transportation, taxes and other costs.

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