

Now Is The Time
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To Be Alert For Silo Gas

Crops that are made into silage following a dry season may produce large amounts of silo gas (nitric oxide), this yellowish-brown, heavy gas has a very irritating smell and is dangerous to both humans and animals. While the silo is being filled be sure to run the blower before entering the partly-filled silo and keep the gas from entering the barn or feed room.

To Evaluate Your Roughage

Pig Roundup
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and heavy weights over 230 pounds.

In addition to class ribbons, two trophies, donated by the Lancaster County Swine Producers Association, will be up for grabs among the youthful showmen.

The judge, Henry Gruber of the A&B Packing Company, Allentown, will be looking for meat type hogs that are trim and will cut out a high percentage of lean meat.

At 1:30 p.m., auctioneer Abe Diefenbach will sell the 200 head of show animals to the highest bidders. The show and sale are managed by the Lancaster Livestock Exchange and the county Extension Service.

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Fertilizer Plan Ups Income For Farmers On State Program

Thirty-three farmers who adopted fertilizer recommendations in a test-demonstration program in Pennsylvania from 1956 to 1960 increased their incomes sharply. The test-demonstration program was conducted by the Pennsylvania State University Agricultural Extension Service and the Tennessee Valley Authority Agronomy and Farm Management

specialists were primarily responsible for the program. A study of progress on these farms was supervised by Frederick Hughes, extension economist and Robert McAlexander, economist of the Agricultural Experiment Station. Much of the field work and analysis on this study was done by Leshe Firth, former graduate student now Assistant County Agent in Erie County.

Soil Conservation
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ector is planning a meeting in conjunction with the Manheim Young Farmers Association.

Directors also discussed the possibility of holding the annual soil conservation field day and county plowing matches at the same time next year, with farm machinery dealers being invited to bring machinery for exhibit at the site of the contest.

District supervisor of the State Soil Conservation Service, Ralph Hunter, sitting in as a guest at the meeting, said he believed one large event would be more successful than the two separate events.

Directors approved the application for the conservation plan for 35 acres owned by Samuel N. Hostetter, Lititz R1, in Warwick Township. The agreement is number 2051 signed since the district was formed.

Average annual net income of the farmers in the group rose from \$3,555 to \$5,339, a jump of 50 per cent. Milk production per cow climbed 17 per cent from 8,774 to 10,267 pounds per year.

Sales of milk per farm increased 40 per cent, from an average of about 227,000 lbs. to 319,500. This is a reflection of a higher rate of production and a 20 per cent increase in cow numbers.

Corn yields jumped an average of 40 bushels per acre, from about 57 bushels in 1956 to 94 in 1960. May yields rose from 2.1 tons to 3.3 tons per acre. The average cutting date of hay crops was advanced by about two weeks, a practice which allowed more cuttings of higher quality forage.

Each of the 33 farmers increased his investment in buildings and equipment. Fifteen built new silos, 24 added hay conditioners, and 17

bought forage harvesters. Nineteen of the cooperators re-modeled their homes.

Average capital investment per farm increased from \$35,086 to \$46,703. Gross receipts rose from an average of \$13,075 in 1957 to \$18,027 in 1960, while cash expenses went up from \$10,712 to \$15,207. A complete report of this test-demonstration program entitled "Farm Adjustment Through Fertilizer Education" now is available at County Agents' offices.

artificial breeding (1936-1948) the DHIA production per cow increased from 8,302 pounds of milk and 334 lbs. fat to 8,528 pounds milk and 344 pounds fat. This increase was only three per cent in milk production per cow, says Dexter N. Putnam, dairy extension specialist at Penn State. But during the 13 years (1949-1961) since the first large group of artificially bred sire progeny completed their records, the state DHIA average per cow has moved from 8,528 pounds milk and 344 pounds fat to 10,815 lbs. milk and 123 pounds fat. This represents an increase of 27 per cent in milk production per cow.

State DHIA Pays Off Debt

UNIVERSITY PARK, PA.—The Pennsylvania Dairy Herd Improvement Association is out of debt.

Moving from a deficit of \$68,000 in 1957 to a \$400 credit this year is a tremendously significant achievement, declares Dean Lyman E. Jackson of The Pennsylvania State University's College of Agriculture, who vigorously supported the organization's program from its inception.

The University's Board of Trustees advanced the College of Agriculture and DHIA sufficient funds in 1957 for installing data processing equipment which could be used to compute DHIA records and for other purposes not connected with DHIA. Dean Jackson says, "this cooperative arrangement between the University, the College of Agriculture and DHIA made it possible for all concerned to reap benefits. We helped each other to help ourselves."

The 37th annual report of DHIA shows that much progress has been made in the Keystone State. The year 1961 meant the beginning of the second 50-year period of DHIA testing in Pennsylvania and also the completion of 20 years of an artificial insemination program.

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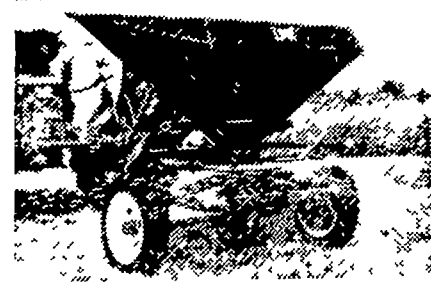
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