

Vo-Ag Teacher Receives M. S.

It was learned this week that Robert Gene Daugherty, agriculture teacher at Garden Spot High School, had recently received a Master's Degree in Agricultural Education from the Pennsylvania State University.

Daugherty has been teaching at Garden Spot High School for the past four years. He is a graduate of DuBois Area High School, and received his B.S. from Penn State in 1961. He is currently president of the Lancaster County Vo-Ag Teachers Association.

His parents are Mr. and Mrs. Hugh Daugherty of Falls Creek, Pa.



Gene Daugherty

Pioneer Hybrid Tops Corn Demonstration Project With 153 Bu.

Analysis of the data from this year's Lancaster County Corn Demonstration Plots shows a hybrid, Pioneer 3306, tops in the yield department with 153 bushels per acre.

However, according to associate county agent Arnold G. Lueck, no final conclusions as to performance of the 39 full-season hybrids should be drawn on the basis of this one limited test.

He described this year's growing conditions at the plot location on the Henry G. Shenk farm near Mount Joy as fairly good. Although rainfall was light during early July, it was near normal afterwards. Weed control was very good with banded atrazine and one cultivation. There was a light infestation of aphids, Lueck said, and stalk rot late in the season caused stalk breakage in all of the hybrids tested.

Each hybrid was replicated four times with a plant population of 18,000 per acre. Planting was done on May 12, and the crop harvested October 15. Lueck reported a heavy application of manure was plowed down with 90 pounds of nitrogen in the form of urea, and 200 pounds of 10-20-10 fertilizer. At planting, 300 pounds of 5-15-5 fertilizer was applied.

The top yield this year of 153 bushels compares favorably with last year's top of 141 1/4 bushels. Last year, 38 hybrids showed an average yield of 110 1/4 bushels. This year's average was considerably better at 124 1/4 bushels. Yields in both years were corrected to 15.5 percent moisture.

Next year marks the 25th or silver anniversary of U.S. Savings Bonds. The first Series E Bond was sold to President Franklin D. Roosevelt on May 1, 1941.

Feed Conference

(Continued from Page 1)

plant scientist said the golden age in vegetable plant breeding has arrived.

"There has never been a period when the means of making giant strides in vegetable variety improvement has been as promising," stated E. Wilbur Scott of the Joseph Harris Company, Inc., Rochester, N.Y.

Speaking on problems and trends in hybrid vegetable seed production, Scott said new methods of hybrid seed production can be considered "milestones" in plant breeding. Hybrid vegetable varieties generally meet the industry's demand for uniformity of type and maturity, handling qualities, and high yields per acre, he pointed out.

OTHER HYBRIDS CITED

Hybrid corn varieties vary in uptake of elements such as nitrogen, phosphorus, and

potassium, according to Melvin W. Johnson, corn breeder for the Agricultural Experiment Station at Penn State. Accumulation of elements is controlled by genetic mechanisms, Dr. Johnson reported. He described certain inbred lines of corn as high accumulators of certain elements while others are low accumulators. Experiments show these factors are constant, he said, even when different levels of the element are available to the corn plant as fertilizer.

Seed usage of sorghum-sudan hybrids has increased 20-fold in the last five years, reported John E. Baylor, Extension agronomist at Penn State. He said the number of sorghum-sudan hybrids available for distribution has increased from 5 in 1960 to 30 in 1965.

The alfalfa weevil now covers all of Pennsylvania, reported Stanley G. Gesell, Extension entomologist at Penn State. Control of larvae of the alfalfa weevil last spring

was generally satisfactory, he stated. Recommendations for control of larvae will be essentially the same for 1966 as they were last spring, he added.

MAIZE DWARF MOSAIC FOUND

Clifford C. Wernham, research scientist in corn diseases at Penn State, said Maize Dwarf Mosaic of corn was found in 20 Pennsylvania counties last summer but only in trace amounts in field corn. He said late planted sweet corn showed a range of diseased plants from zero to 90 percent.

Dr. Wernham said Penn State plans to continue its program of testing inbred lines of corn so that resistant lines can be pollinated and continued in the program to breed resistant hybrids. Strains of the disease should be identified, he added. Fertility levels will be investigated to determine whether symptoms of the disease are hidden by certain applications of fertilizer.

Tested Dam

(Continued from Page 1) spring with official production records.

The cow's progeny averaged 9,412 lbs. milk and 497 lbs. butterfat on twice-daily milking, 305-day mature equivalent basis. The records were made under one of the programs of official testing of The American Jersey Cattle Club.

The Tested Dam rating aids Jersey owners in the selection of superior breeding stock. The three tested progeny required to qualify a cow as a Tested Dam may either be three tested daughters or three tested sons, or any combination thereof totaling three.

U. S. FARM FIRES

NEW YORK — Fires and lightning strike about two out of every 100 farms in the United States each year, according to the Insurance Information Institute.



May the blessings and joys of Christmas be with all of our many friends.

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