



Lancaster Farming

SECOND SECTION

Soil Test Survey Results Revealed

The highest concentration of well-limed soils in the Commonwealth currently is located in southcentral Pennsylvania, an Extension agronomist at The Pennsylvania State University pointed at the Lime and Fertilizer Conference last week

W. Wayne Hinish, who directed a survey of Penn State soil test results, said almost half the samples from the southcentral area required no lime and those soils that did only needed 2 tons or less.

The study, which included both lime and fertilizer soil needs, represented 30,000 soil samples from all counties of the Commonwealth and was compiled using electronic computers. This educational effort was initiated to help make comparisons of lime and fertilizer relationships to crop production and animal health.

"The McKean County area and southwestern Pennsylvania have soils with the greatest lime requirements," the agronomist emphasized. "Only less

than 10 percent of these soils in the sample needed no lime"

The greatest concentration of soils high in magnesium occurs in the four corners of the state, particularly in southeastern Pennsylvania, Hinish pointed out Penn State studies reveal that where soils are high in magnesium there apparently is a lower incidence of livestock health disorders. Areas lowest in magnesium are located in west central and east central Pennsylvania.

Commenting on soil summaries which point out areas high and low in phosphorus, Hinish said a pocket of high phosphorus levels is found in and around Luzerne County. Practically all soils in the western half of the state test low in this fertilizer element.

Samples from the northern tier counties test lowest in potassium, the highest levels are found in southeastern soils.

Hinish noted that surveys by the Penn State Soil Testing Laboratory are continuously underway to assist farmers make

Local Hatcherymen Attend Sales Workshop

Warren Zeller and Arthur Leaman of the Babcock Hatchery in Lititz, Pennsylvania have just returned from attending a week long Sales Workshop conducted by Babcock Poultry Farm, Inc. in Ithaca, New York. Mr. Zeller and Mr. Leaman joined salesmen from Babcock franchised hatcheries in eight states and Canada to be brought up to date on the Babcock breeding program, the health program, along with production and business management techniques

The intensified sales training is part of Babcock's program to help its' franchised hatcheries be of the greatest possible service to their customers.

During the graduation banquet it was announced that Babcock Poultry Farm had just won the coveted two year USDA Summary of Random Sample Tests with the highest income over feed and chick costs

sound management decisions and increase operating profits. In addition, these results help educators chart programs beneficial to the total agricultural economy.

Complex Penn State Lab Aids Pesticides Research

"Sophisticated" is the term best describing equipment displayed at a recent Open House for the new Pesticides Research Laboratory and Graduate Study Center at The Pennsylvania State University

Shown were some of the most complex instruments used in "advanced pesticides research," as described by Open House guides. Included were several highly-refined gas chromatographs. Perhaps most dramatic of all the devices seen were a mass spectrophotometer and infrared and ultraviolet spectrophotometers to analyze components of pesticides. The laboratory cost in excess of \$800,000.

From a laymen's standpoint, some of the most interesting items displayed during the Open House were growth chambers and special incubators — used in rearing and studying insects in the laboratory

The facility was designed to study and help to develop the least toxic pesticides, to develop biological control of pests, and to analyze plant and animal products for pesticide residues

Operated by the department of entomology, the laboratory is administered by the Agricultural Experiment Station. It is located one mile east of the central campus, adjacent to the Food Processing Laboratory and the Soil and Forage Testing Laboratory

The new facility was made possible through State and Federal legislation. A folder distributed during the tours indicated that this highly specialized laboratory will have a significant role in state and national efforts to improve the efficiency of production of food, feed, and fiber while insuring the maximum in safety and quality.

The Pesticides Research Laboratory and Graduate Study Center is built on two floors, each 50 feet wide by 167 feet long, with a total floor space of about 15,000 square feet assigned to offices, laboratories, and special purpose rooms.

The future can be neither foretold or foreseen — so why worry about it?

4TH ANNUAL SOUTHEASTERN

DAIRY CONFERENCE

at the Guernsey Barn, Route 30 East, Lancaster, Pa.

TUESDAY, FEBRUARY 18, 1969 — 9:30 a.m. - 3:30 p.m.
(Snow Date — February 19, 1969)

Theme: "Dairy Management"

☆ DISPLAYS

☆ DOOR PRIZES

☆ REFRESHMENTS

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