



Receiving Youth Awards at the Pennsylvania Poultry Federation banquet held recently at University Park from Prof. Herbert Jordan, Penn State poultry extension specialist, were (l. to r.) Vicki Jo Shank, Elizabethtown; Charles E. Bair, Wrightsville; Eileen Jackson, Mt. Pleasant; and Steven Wolf, Gettysburg.

Cited for giving special assistance to the federation during the past year were three Lancaster County firms. Representatives who received the plaques on behalf of the firms were: Thomas Smith, Cloisterdale Farms, Ephrata; Charles Texter, Hubbard Farms, Lancaster; and Paul Covell, Babcock Hatchery, Lititz.

Set Sprayer For Proper Use

To assure proper application of pesticides, spray equipment should be properly calibrated to determine the exact amount of liquid applied per acre, according to Thomas H. Williams, extension agricultural engineer at the University of Delaware.

Before calibrating your sprayer, make sure all nozzles are discharging at a uniform rate, says Williams. Clean each nozzle thoroughly, then run the sprayer in a stationary position with clear water at normal spraying pressure.

Place quart jars under nozzles to catch the discharge from each one, he adds. Water level in all jars should rise at the same rate. Replace any nozzle that has a discharge rate different than the others.

To calibrate your sprayer, begin with a full tank of clean water. Adjust spraying pressure to that normally used in the field. Now drive exactly one-tenth of an acre at normal field speed, then refill the tank, carefully measuring the amount of water required. Finally, multiply the number of gallons required to refill the sprayer by 10 to deter-

mine the amount of spray in gallons per acre and mix active ingredients in the same proportion.

Always spray at the same speed, pressure and nozzle opening used when calibrating, cautions Williams. Changing any of these will alter the rate of application. It is wise to mark the notch the throttle is in when calibrating and keep it in that notch when spraying.

The application rate of any sprayer is also affected by vibration, pump wear, corrosion, partial clogging of nozzles and strainers and changes in field conditions, he adds. And abrasive wettable powder sprays eventually change application rate by causing wear in nozzle openings.

It's most important to remember that sprayer calibration is good only for conditions under which calibration is made, says Williams. Recalibration is necessary if conditions change.

The American flag received its first salute from another country on Feb. 14, 1778, when French vessels in Quiberon Bay, France, saluted John Paul Jones and his ship Ranger, according to World Book Encyclopedia.

CCC Grain Bins Average \$512.10 At Public Sale

All ten excess Commodity Credit Corporation-owned grain bins offered at public auction on Tuesday at Hubers Camp Site were sold. The bins, shipped to this area from the Midwest, were made of steel and had a capacity of 3250 bushels.

The bins were sold by competitive bids through public bidding and were sold to Allen Burkholder, Ephrata R3, 2 bins; Mark Sensenig, Ephrata R1; Dennis Sangrey, Lancaster R6; Harold Barley, Millersville R1; John Bryer, Gap; Clifford Holloway, Peach Bottom; Lester Weaver, Quarryville R1; and George Weaver, New Holland R1, 2 bins.

The average price received for all ten bins was \$512.10. The minimum price was \$510.48 with sale prices ranging from \$511 to \$515.

The sale of these bins is intended to help farmers achieve more orderly marketing of crops, especially at harvest time, and thus gain more bargaining power in the marketplace.



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