

# Lehigh Co.'s First Farm Preservation Approved

ALLENTOWN (Lehigh Co.) — The Pennsylvania Agricultural Land Preservation Board has approved the purchase of Lehigh County's first agricultural conservation easement on a 54-acre farm in Lower Milford township for \$184,985.

The farm, owned by Wilmer and Erma Graber, will be preserved in perpetuity under the state and county's farmland preservation program.

Seventy-five percent of the cost

of this purchase will be paid by the state and the county will contribute the other 25 percent.

The Lehigh County agricultural land preservation board is in the process of finalizing agreements with six additional landowners for the permanent preservation of another 800 acres of farmland within the county. The county board will soon be submitting proposals to the state board for the preservation of the additional farms.

## Pennsylvania Livestock Auction

Waynesburg, Pa.  
Thursday, June 20, 1991  
Report Supplied by PDA

CATTLE 174. COMPARED WITH LAST THURSDAY'S MARKET; SL. COWS .50-1.00 HIGHER. BREAKING UT. & COMMERCIAL SL. COWS 51.00-55.50, FEW 57.00-59.50, CUTTER & BON. UT. 49.00-52.50, CANNER & LO CUTTER 40.00-48.50. SHELLS DOWN TO 30.00. YIELD GRADE NO. 1 112/130 LBS. SL. BULLS 60.50-70.75, FEW 29-1160 LBS. 57.00-61.00.

FEEDER CATTLE: STEERS (FEW) & M&L-1 3/400 LBS. 85.00-105.00, #1 550/800 LBS. 80.00-90.00. HEIFERS MED. & LGE. #1 M&L-1 3/450 LBS. 80.00-102.00. BULLS M-1 250/500 LBS. 85.00-104.00, COUPLE 330 @ 113.00.

CALVES: 25. CHOICE 124.00. STAND. & GD. 80-115 LBS. 79.00-90.00. NO. 1, HOLSTEIN BULLS 90-135 LBS. 130.00-160.00. BEEF CROSS 80-140 LBS. BULLS & HEIFERS 100.00-155.00.

HOGS: 21. US 1-3 120-140 LBS. 52.00-60.00, COUPLE 108.00 @ 69.00. US NO. 1-3 3/780 LBS. SOWS 39 75-44.00. COUPLE BOARS 37.00-39.00.

FEEDER PIGS: 6. US NO. 1-3 50/80 LBS. FEEDER PIGS 47.00-49.00.

SHEEP: 150. H. CHOICE & PRIME 64/96 LBS. 65.00-72.00, CHOICE 75/90 LBS. 61.00-66.00. GOOD/CH. 47/60 LBS. FEEDER LAMBS 42.00-48.00.

SLAUGHTER SHEEP 14.00-22.00.  
GOATS: 22. LARGE 40.00-55.00, MED. 28.00-40.00, SMALL 18.00-30.00.

## Greencastle Livestock

Greencastle, Pa.  
Thursday, June 20, 1991  
Report Supplied by PDA

CATTLE: 252. SL. COWS .75-1.25 LOWER; COUPLE SELECT 66.00-69.75, STAND. & SEL. HOL. 59.00-66.00. BREAKING UT. & COMMERCIAL SL. COWS 50.50-54.50, COUPLE 56.00, CUTTER & BON. UT. 48.75-54.00, COUPLE 57.10, CANNER & LO CUTTER 46.00-49.00, SHELLS DOWN TO 43.00. YIELD GRADE FEW NO. 1-1745 LBS. SL. BULLS 58.50-64.00.

CALVES: 451. FEW GOOD 85.00-97.00, STAND. & GD. 70-95 LBS. 74.00-92.00, UT. 60-85 LBS. 60.00-74.00, NO. 1, HOLSTEIN BULLS 85-130 LBS. 160.00-204.00, NO. 2 80-125 LBS. 125.00-165.00, FEW DOWN TO 85.00.

NO. 1, HOL. HEIFERS 105-125 LBS. 170.00-231.00, 80-100 LBS. 120.00-150.00. BEEF CROSS 75-125 LBS. BULLS & HEIFERS 120.00-187.50.

HOGS 6. FEW US NO. 1-3 350-420 LBS. 41.00-41.75. BOARS ONE 36.00.

FEEDER PIGS: 27.

SHEEP: 18. FEW GOOD/CH. 60-95 LBS. SSL 48.00-56.00. SLAUGHTER SHEEP FEW 9.50-16.00.

GOATS: 4. FEW MEDIUM 22.00-28.00.

# 17-Year Locusts Due Back

UNIVERSITY PARK (Centre Co.) — One of the most mysterious insects in the world is about to invade the skies over central and eastern Pennsylvania, but a Penn State expert said it's not a cause for serious alarm.

Residents of affected counties soon will see an emergence of periodical cicadas, commonly but mistakenly called 17-year locusts. "These insects are harmless to people, but they can damage fruit trees or high-value ornamentals," said entomologist Gregory Hoover.

Any damage caused by cicadas occurs during egg-laying. Using the blades of a saw-like device on her abdomen, a female will cut several small pockets in the bark of a twig, depositing 400 to 600 eggs. This process can cause small limbs or seedlings to wilt and may provide an opening for disease.

"Periodical cicadas are sometimes called nature's pruners," said Hoover. "Nursery owners or

others with trees at risk may want to apply registered insecticides around the time mating starts — about 10 days after they first hear the males singing." He said other protection methods include covering the crown of valuable trees with a fine mesh, or delaying the planting of trees until the cicadas are gone. If a pesticide is used, label instructions should be carefully read and followed.

The periodical cicada is native to North America, and exists nowhere else in the world. There are six species of periodical cicada, three with a 17-year cycle, and three with a 13-year cycle. The 17-year cicada is the type generally found in Pennsylvania.

Adult periodical cicadas are about 1½ inches long with reddish eyes and wing veins. They are smaller than their cousins, the annual or dog-day cicadas usually seen and heard in the heat of late summer.

Periodical cicada populations called broods are assigned Roman numerals and are classified by the year in which they emerge. The cicadas surfacing this year are members of Brood XIV, which last was seen in 1974. Brood XIV distribution encompasses as many as 22 counties between the New York and Maryland borders, ranging as far west as Clearfield County and as far east as Lehigh County.

Cicada nymphs spend 17 years from 2 to 24 inches underground, sucking nutrients from plant roots. In April, they burrow to within an inch of the soil surface, where they await the undetermined signal for emergence. If the ground is too damp, they often build small earthen turrets over their holes to protect their escape routes from too much moisture.

When the time is right, usually in late May or early June, the nymphs exit the soil through half-inch holes and climb a foot or more up trees or other objects. Within an hour, they shed their nymphal skins and become adults.

The adult cicadas are clumsy flyers, often colliding with objects in flight. The males begin their constant singing shortly after they emerge, but the females are silent. When heard from a distance, the cicadas' chorus is a whirring monotone, sometimes described as eerie-sounding. On rare occasions when an adult eats, it sucks fluid from small twigs but does not feed on leaves. Ten days following emergence, mating takes place.

The adult cicadas live up to four weeks above ground. Six to seven weeks after the eggs are laid, the nymphs hatch and drop to the ground. There, they enter the soil, not to see the light of day for 17 subterranean years.



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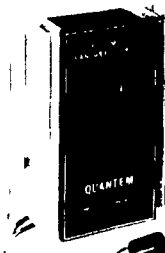


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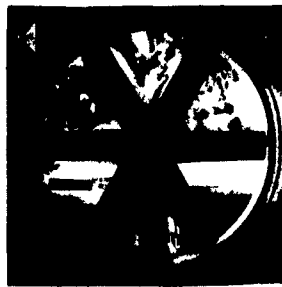


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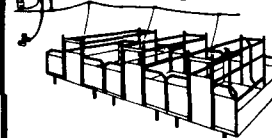
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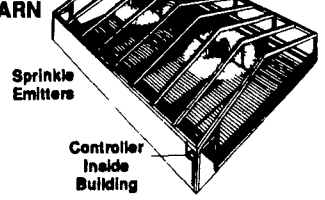


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