

### Estimated Daily Livestock Slaughter

Under Federal Inspection

May 5, 1993

	CATTLE	CALVES	HOGS	SHEEP
MONDAY (EST)	123,000	5,000	359,000	20,000
WEEK AGO (EST)	121,000	5,000	362,000	21,000
YEAR AGO (ACT)	122,000	5,000	320,000	19,000
WEEK TO DATE (EST)	365,000	14,000	1,027,000	55,000
SAME PD LT WK (EST)	357,000	16,000	1,027,000	56,000
SAME PD LT YR (ACT)	370,000	15,000	921,000	53,000

PREVIOUS DAY ESTIMATED...TUES. STEER AND HEIFER 98,000; COW AND BULL 24,000.

### New Holland Dairy

New Holland Sales Stables  
Wednesday, May 5, 1993

Report supplied by auction

DAIRY COWS 130; HEIFERS 89 AND 9 BULLS. MARKET STREADY.  
HERD OF 30 HEAD ALL STAGE COWS 480.00-1525.00.  
LOCAL FRESH COWS 610.00-850.00.  
LOCAL SPRINGERS 900.00-1075.00.  
FRESH HEIFERS: 550.00-1100.00.  
UPSTATE LOADS FRESH 875.00-1525.00.  
BETTER FRESH COWS 985.00-1150.00.  
LOAD OF CANADIAN FRESH COWS 775.00-1025.00, SPRINGERS 900.00-1200.00.  
SPRINGING HEIFERS, LARGE 1000.00-1175.00, SMALL 525.00-900.00.  
SHORT BRED HEIFERS: 625.00-905.00.  
OPEN BREEDING AGE HEIFERS 635.00-785.00.  
SMALL OPEN HEIFERS 385.00-510.00.  
BULLS 335.00-700.00, PUREBREDS 675.00-800.00.  
HERD OF 50 ALL STAGE COWS 560.00-1200.00.

### Dewart

Livestock Auction  
DEWART, PA  
May 3, 1993

CATTLE 92... PDA .. STEERS: few Choice 1300/1470 lbs. 77.25-78.50, few Select 73.50-75.75. HOLSTEINS: few Standard 58.25-62.00. COWS: few Breaking Utility and Commercial 48.75-52.50, Cutter and Boning Utility 49.00-52.25, couple 54.75, Canner and Low Cutter 43.00-47.00. BULLS: few Yield Grade No. 2 950/1700 lbs. 54.00-58.50. FEEDER CATTLE: few Medium Frame No. 1 430/590 lbs. steers and bulls 76.00-87.00, few Medium Frame No. 1 450/485 lbs. heifers 74.00-76.00.  
CALVES 128... VEALERS: few Utility 60/80 lbs. 47.50-55.00. FARM CALVES: No. 1 90/125 lbs. Holstein bulls 137.50-167.50, No. 2 80/120 lbs. 85.00-130.00, No. 1 85/115 lbs. Holstein heifers 182.50-207.50. Few Beef Cross 75/100 lbs. Bulls and Heifers 90.00-180.00.  
HOGS 55... BARROWS & GILTS: one US 1-2 260 lbs. 45.00, few 1-3 200/225 lbs. 40.20-42.70.  
SOWS: few US 1-3 350/500 lbs. 34.00-38.00. BOARS: few 29.50-32.50.  
FEEDER PIGS 24... Few US 1-3 30/35 lbs. 28.00-30.00.--- all per head.  
SHEEP 8... Few Choice 40/70 lbs. Spring sl. Lambs 70.00-79.00.  
GOATS 0... No market text.

### Indiana Livestock

Homer City, PA  
Thursday, May 6, 1993

Report supplied by Auction

CATTLE 185. STEERS: HIGH CHOICE AND PRIME 81.00-82.50, CHOICE 78.00-80.00, SELECT 76.00, SELECT & CHOICE HOLSTEINS 68.00. HEIFERS. CHOICE 82.00, SELECT 77.00-80.00.  
COWS: BREAKING UTILITY & COMMERCIAL 55.50, CUTTER & BONING UTILITY 47.00-52.50, CANNER & LOW CUTTER 45.00, SHELLS 40.00.  
BULLOCKS: SELECT 70.00.  
BULLS: YIELD GRADE NO. 1 65.00-69.00.  
FEEDER CALVES: FRAMES: SMALL 91.50, MEDIUM 80.00-86.00; LARGE 77.00.  
CALVES: 110. GOOD 105.00. STANDARD & GOOD 50 LBS. 45.00, 65 LBS. 70.00, HOLSTEIN BULLS #1 100 LBS. 172.50, #2 90-110 LBS. 140.00-165.00. HOLSTEIN HEIFERS 100 LBS. 192.00.  
HOGS 105. B&G US NO. 1-2 245 LBS. 46.00, US NO. 1-3 225-260 LBS. 43.00-44.40, SOWS US NO. 1-3 550 LBS. 35.00. BOARS 27. FEEDER PIGS 9. US #1-3 50-85 LBS. 34.00 PER HEAD.  
SHEEP: 24 LAMBS 80 LBS. 90.00. CHOICE 60 LBS. 74.00; GOATS 14, LARGE 15.00, MEDIUM 45.00, SMALL 18.00.

### Keiser's Middleburg AUCTION

MIDDLEBURG, PA  
May 4, 1993

CATTLE 470... PDA . Compared to last Tuesday's market: Steers mostly 1.00 to 2.50 higher; cows 25 to 1.25 higher. STEERS: Choice 1000/1350 lbs. 78.00-84.25, Select 73.00-76.50. HOLSTEINS: Choice 70.50-74.25, couple 75.00, few Select 65.50-70.00, few Standard 59.75-63.00. HEIFERS: Choice 75.00-79.75, one at 80.00, few Select 65.00-69.00. COWS: Breaking Utility and Commercial 50.25-55.00, couple to 58.75, Cutter & Bon. Utility 49.50-54.25, couple to 55.25, Canner and Low Cutter 43.75-48.25. Shells down to 40.00. BULLOCKS: few Choice 65.00-79.50, few Select 62.00-66.00. BULLS: Yield Grade No. 1 1200/1780 lbs. 57.00-67.25. FEEDER CATTLE: Medium and Large Frame No. 1 350/600 lbs. steers and bulls 74.00-88.00, few Large Frame No. 2 350/600 lbs. Holsteins 62.00-71.00; few Medium Frame No. 1 320/660 lbs. heifers 66.00-84.00.  
CALVES 168... Holstein bull calves 10.00 to 20.00 higher. VEALERS: few Utility 60/80 lbs. 50.00-55.00. RETURNED TO FARM: Holstein bulls No. 1 90/125 lbs. 150.00-172.50, No. 2 80/120 lbs. 120.00-150.00, few down to 85.00; Holstein heifers No. 1 85/115 lbs. 175.00-210.00. Beef cross 80/160 lbs. bulls and heifers 135.00-187.50.  
HOGS 394... Barrows and gilts steady. BARROWS AND GILTS: US No. 1 225/250 lbs. 45.00-46.50, No. 1-2 220/250 lbs. 43.00-44.75, 1-3 200/300 lbs. 40.00-42.75. SOWS: 1-3 300/610 lbs. 35.00-40.00, 2-3 300/500 lbs. 30.00-34.75. BOARS: 31.00-33.00.  
FEEDER PIGS 133... US 1-3 30/45 lbs. 40.00-47.00. - all per head.  
SHEEP 61... Choice 30/55 lbs. Spring sl. lambs 95.00-135.00, 75/110 lbs. 75.00-91.00. Slaughter sheep: 19.00-26.00.  
GOATS 37... Large 34.00-52.00, Kids 16.00-34.00.---- all per head.

### Jersey Shore Livestock Market, Inc.

Auction every Thursday  
at 4:00 p.m.

Jersey Shore, Pa.

Report supplied by Auction  
Thursday, May 6, 1993

RETURN TO FARM CALF 110.00-195.00.  
GOOD VEAL: 80.00-145.00  
COMMON VEAL: 30.00-90.00.  
CHOICE STEERS: 78.00-82.50.  
SELECT STEERS: 73.00-80.50.  
COMMERCIAL COWS: 47.00-53.75.  
CANNERS-CUTTERS: 40.00-52.00.  
SHELLS: 24.00-41.50.  
CHOICE HEIFERS: 76.50-79.75.  
SELECT HEIFERS: 68.00-77.00.  
COMMON HEIFERS: 58.74-64.75.  
GOOD FEEDERS: 70.00-90.00.  
COMMON FEEDERS: 35.00-60.00.  
BULLS: 53.00-60.00.  
GRIT HOGS: 41.00-42.85.

### Isenock Auction

New Park, PA  
May 3, 1993

Report supplied by auction

SLAUGHTER COWS: 51.00 & DOWN.  
FEEDER STEERS: HOLSTEIN X 485-550 LBS. 60.00-82.50.  
FEEDER HEIFERS: 355-650 LBS. 68.00-75.00.  
FARM CALVES: 120-125 LBS. 137.00-147.00; 100-105 LBS. 140.00-145.00; 75-85 LBS. UP TO 195.00; WEAK AND ROUGH 42.00 AND DOWN.  
HEIFER CALVES: 80-110 LBS. UP TO 202.00.  
HOLSTEIN HEIFERS: 525-850 LBS. 65.00-75.00.  
SHEEP: 115-125 LBS. 16.00-20.00.  
GOATS: SMALL 24.00 HEAD.

### Greencastle Livestock

Greencastle, Pa.

Thursday, May 6, 1993

CATTLE: COWS 1.50-2.50 HIGHER. HOLSTEINS: FEW HOLSTEINS 70.00-72.00; SELECT HOLSTEINS 66.75-70.25. HEIFERS: FEW CHOICE HOLSTEINS 64.75-68.00.  
COWS: BREAKING UTILITY AND COMMERCIAL 50.00-55.00, FEW 58.00-60.00, CUTTER AND BONING

UTILITY 49.50-53.50; CANNER & LOW CUTTER 44.00-48.75, SHELLS DOWN TO 40.00.

BULLS: YIELD GRADE 1 900-1800 LBS. 57.50-63.00.

FEEDER STEERS: FEW L-1 390-570 LBS. 90.00-99.50; HEIFERS FEW L-1 450-600 LBS. 81.00-89.00; BULLS ONE LOT M-1 360 LBS. @ 89.50.

CALVES: FEW UTILITY 60-80 lbs. 40.00-45.00. FARM CALVES: HOLSTEIN BULLS 25.00 HIGHER 90-125 LBS. 160.00-195.00, couple at 200.00; HOLSTEIN BULLS 80-120 LBS.

110.00-155.00, FEW DOWN TO 85.00; HOLSTEIN HEIFERS 75-115 LBS. 160.00-220.00, HOLSTEIN HEIFERS FEW 90-100 LBS. 100.00-160.00; BEEF CROSS BULLS & HEIFERS FEW 75-115 LBS. 97.50-157.50.

SOWS: FEW 1-3 350-575 LBS. 33.50-38.50; FEW BOARS AT 34.00.

SHEEP: 12 SLAUGHTER LAMBS ONE LOT CHOICE 28 LBS. 103.00. SLAUGHTER SHEEP FEW 20.00-33.00.

GOATS: LARGE FEW 39.00-50.00/HD.

## Use Caution With Underground Manure Pits

### Underground Manure Pits

It is that time of year when farmers are emptying manure pits. The rains have delayed this springtime ritual but it is an important part of agriculture. It is recycling at its best, but there are hazards when working around manure pits.

Underground storage pits are convenient, efficient and an increasingly popular way to store large amounts of manure, but they must be handled with care, according to a Penn State College of Agriculture farm safety expert.

"The danger peaks when stored manure is being agitated or emptied," said Dr. Dennis Murphy, professor of agricultural engineering.

"The fermentation process that turns raw manure into fertilizer inside a storage pit also produces methane, hydrogen sulfide, carbon dioxide and ammonia. When these hazardous gases build up, the atmosphere inside the pit can become toxic, low in oxygen and even explosive."

If someone collapses in a pit, amateur rescue efforts often result in more fatalities. Several tragedies involving multiple deaths in a manure pit have occurred nationwide. In one incident, five family members died.

"Attempting to rescue someone who has collapsed in a pit is a no-win situation," Murphy said. "Gas concentrations are so high that it's literally suicide for anyone else to enter without protection. The only safe action is to ventilate the pit and wait for rescue personnel with the proper equipment."

Taking precautions can help to minimize manure storage hazards.

"Don't fill the pit to full capacity," Murphy said. "Allow a foot or two of air space to accommodate concentrations of these gases. When agitating stored manure or emptying the pit, keep out of storage buildings and provide strong, constant ventilation."

"Don't go into the pit unless you absolutely have to. The only safe way to enter is to wear a self-contained breathing apparatus, along with a safety line attached to a hoist with a person standing by to assist you in an emergency. Provide ventilation and keep in constant visual contact with someone who can pull you to safety using the hoist."

Summer's hot temperatures can increase gas buildup, but a manure pit is always potentially dangerous. Toxic gas concentrations occur at any time of the year.

"Hydrogen sulfide, the most hazardous manure pit gas, is colorless, heavier than air and smells like rotten eggs," Murphy said. "At low concentrations it paralyzes the sense of smell and causes dizziness, headaches, nausea and irritation of the respiratory tract. At high concentrations it can cause unconsciousness and respiratory failure within seconds, and death within minutes."

Carbon dioxide is non-toxic, but low concentrations can cause labored breathing and headaches. High concentrations can asphyxiate people and animals by displacing oxygen in the air.

"But unless all ventilation into and around the pit stops for a few hours, carbon dioxide usually does not build up a lethal level," said Murphy.

Ammonia can severely damage the eyes, nose, throat and lungs when it combines with moisture in those tissues to form a caustic alkaline base.

"High concentrations can be fatal, but ammonia's irritating nature usually prompts people to leave the area quickly," Murphy said.

Methane is highly flammable and explosive, but it is impossible to detect without gas detection equipment. "Because it is lighter than air, methane rises out of manure pits," Murphy says. "But it can collect under hoods, roof ridges and corners, where torches, cigarettes or sparks from electrical shorts can ignite explosions."

More information on manure pit safety is available from the National Institute for Occupational Safety and Health, 4676 Columbia Parkway, Cincinnati, Ohio 45226, (800) 35-NIOSH, or from your Penn State Cooperative Extension county office.

### TERRY L. MADDOX Huntingdon Co. Agent

HUNTINGDON (Huntingdon Co.) — Although many people think of milk as high in fat, it is actually a lowfat beverage, says Sidney Barnard, Penn State extension dairy specialist.

"Whole or regular milk is more than 96 percent fat-free. An eight-ounce glass of whole milk has about 145 calories and only about 30 milligrams of cholesterol," he said.

Most lowfat milk contains 2 percent milkfat, but you can find 1.5 and 1 percent milkfat products in some markets. Two percent milkfat provides 120 calories per eight-ounce glass if it is not fortified with added milk solids. One percent and 1.5 percent milkfat milk provide only slightly fewer calories. An eight-ounce glass of skim milk contains 90 calories and about five milligrams of cholesterol.

Include milk in your diet to get calcium and to prevent osteoporosis in later years.

"It makes little difference in what form you include milk," said Barnard. "You can get the equivalent of the recommended two glasses a day by eating cottage cheese, yogurt or other dairy products."

## York Holds Ag Skills Assessment Day

YORK (York Co.) — More than 140 York County agriculture education students recently participated in the first York County Ag Skills Assessment Day at Dover Area High School.

The students, from Dover, Eastern, Kennard-Dale, Northern and Red Lion, selected from eight events including agronomy, ag mechanics, ag sales, dairy foods, forestry, land, small gas engines, and wildlife.

The winner of the agronomy contest was Cale Leiphart, a student at Eastern High School. Cale correctly identify weed, crop, and insect samples as well as accurately located agronomic recommendations from the Penn State Agronomy Guide. Rounding out the top five winners were Quentine Crone, Northern H.S.; Jon Bish, Dover Area H.S.; Justine Hedrick, Kennard-Dale H.S.; and Mike Boyer, Dover Area H.S.

The ag mechanics event required students to demonstrate their mechanical abilities in masonry, welding, engine repair, and cold metals. Mat Creacraft of Kennard-Dale H.S. received the first-place honors in this event. Curt Stoner of Northern, Curt Ross of Dover Area, Mike Treffinger of Northern, and Shannon Smith of Dover placed in the top five.

Denise Shaffer of Kennard-Dale was the ag salesperson. She excelled in product knowledge, sales techniques, and product presentation. Following Denise was fellow Kennard-Dale student Adam McCallister. Kristi Ryder

and Brian Smyser of Dover placed third and fourth and Dave Myers of Northern received fifth place honors.

At Pinchot Park, Carrie May of Northern correctly identified species of trees and forest practices in the forestry contest to outplace 70 other students. Kris Boldizar of Red Lion, Laura Fallon of Dover, Kate Francis of Northern, and Chasity Miller of Red Lion completed the top five winners.

The dairy foods contest required students to correctly identify off-flavors in milk samples, identify cheese samples, and correctly distinguish between real and artificial dairy products. Missy Meckley of Dover Area H.S. outplaced the other 42 contestants to win this event. Second place went to Adam McCallister, Kennard-Dale; third, Melissa Benner, Northern; fourth, Sean Johnson, Kennard-Dale; and fifth, Jed Smyser, Dover.

Justin Hedrick of Kennard-Dale was top land judge in an event in which students evaluated soil characteristics, land capability classes, and conservation practices. This event was held on the Wayne Hoffman farm in Dover Township. Places second through fifth were Carl Livingston, Jason Brubaker, Kristi Ryder, and Derwin Lamberson, all from Dover Area H.S.

Small gas engine knowledge, repair, and troubleshooting was the basis for the only team event of the day. Students worked in