

Perry County DHIA Holds Annual Meeting

LANDISBURG (Perry Co.)—County dairy producers gathered at the Landisburg Fire Hall recently to mark the 70th year of the Perry County Dairy Herd Improvement Association.

Fifty-nine county herds participated in the testing programs this past year, with 5,000 county cows on test.

Awards were presented to county producers whose herds have excelled in production dur-

ing the past year. Accepting herd management awards for producing more than 21,000 pounds of milk were Ben Dum, Elliottsburg; Dave Weller, Elliottsburg; and Ken Benner, Millerstown.

Herd management awards for production between 19,000-21,000 pounds were Oscar & Winnie Campbell, Newport; Duane Hertzler, Loysville; and Max & Flo Reapsome, Loysville. Accepting herd management

awards for improvement in production for herds below 19,000 pounds were Tom & Shayne Dum, Landisburg; Noah Sauder, Loysville; and Irvin Martin, Ickesburg.

Awards for high cows for milk and protein were received by Ed Brofee, Millerstown, 2-year-old, 28,859 pounds of milk; Nevin Rice, Blain, 2-year-old, 867 pounds protein, 5-year-old, 31,332 pounds milk and 976 pounds protein; Jesse & Barb Singleton, 3-year-old, 30,522 pounds milk and 928 pounds protein; Carl Kresge, Loysville, 4-year-old, 32,953 pounds milk and 1,039 pounds protein; Melvin Weaver, Ickesburg, aged cow, 31,992 pounds milk; and Ray McMillen, Loysville, aged cow, 969 pounds protein.

For several years, the oldest milking cow in the county that was on test was cow #29 owned by Melvin Weaver, Ickesburg. This remarkable cow produced 293,192 pounds (33,700 gallons) of milk in 16 lactations. This past summer's heat took its toll on the old girl, and she didn't live to make 300,000 pounds.

Speakers for the evening banquet included Dave Slusser, general manager of PA DHIA. He spoke in detail about the new MUN test. He commented that this test is another tool to assist dairymen in feeding the cows properly.

"With the variable forages we



President Brooks Smith, third from left, congratulates award winners at the Perry County DHIA banquet. From left, Oscar Campbell, Newport; Ben Dum, Elliottsburg; Smith; Dave Weller, Elliottsburg; Jesse Singleton, Landisburg; Nevin Rice, Blain; and Tom Dum, Landisburg.

have stored due to the drought, this tool will be especially useful this winter," said Slusser. MUN tests cost 15 cents/cow for DHIA members and 50 cents/cow for non-members.

Brooks Smith, Newport, informed the group about new initiatives taken at the PA DHIA state board level in managing the organization. Emily Dum, Perry County dairy princess, stressed how important dairy products are to the nutrition and health of adults.

Dave Shenk, regional manager, spoke on some of the cost-cutting

measures employed by DHIA in the past year, including the efficiency increases in employees now that many herds have switched to AM/PM. Dave had the dairy farm families in attendance recognize two of the technicians that work in the county—Walter Stydinger, Elliottsburg, and J. Michael O'Toole, Blain. Shenk complimented these gentlemen for their excellent work and dedication to their jobs.

Brent McMillen, Loysville, was reelected to another term on the county advisory committee.

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11-28 Tractor Tire Chains, Good Condition, \$150. (717)943-2328.

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1840 Case Skid Loader, 1900Hrs., New tires, Nice. \$11,900. (717)369-4115.

1947 John Deere A; Ford 8N. 717-336-2497 after 4PM.

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Cockshutt Tractor's #30's One Wide Front and One Trycle Both Run \$2000. each. Also 2 Farm-all Cubs at \$2,000 each. Call Eve. (717)588-6350.

CRAWLER DOZER IH TD9, complete, motor stuck, \$1,500. 410-833-9091

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CRAWLER LOADER CAT 941B, 4 in 1, cab, 50% UC, municipality owned, ready to work, \$10,500. 410-833-9091

79 Case 450B, Crawler Loader, 4in1 Bucket, Excellent Condition, \$13,500. (717)752-7131.

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AC-WC unstyled; Oliver 60; MH 101 JF; JDB or will part out. 717-529-2943 8-8:15am.

AC WD 45, WF, loader, snow bucket, like new tires, nice paint, \$2275. 717-336-2031 Lancaster Co.

AC WD-45, wheel weights, chains, original AC loader snow bucket, plus extras, \$2500 OBO. 717-399-3528 anytime.

Agco Allis: 9650, all wheel drive, \$67,792; 5670 2WD, ROPS, \$18,824; 4660 2WD, ROPS, \$16,536; 8630, cab, 2WD, \$42,095. F2L511 Deutz diesel licensed mfg., new, 10kw power unit generator, new, \$3500. End of year special. 717/532-7261, fax 717/532-8332.

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Case 470 Diesel clean, new clutch \$4500.; Case 870 diesel rebuilt eng. \$4800.; Chester Co. 610/932-0759.

Case IH 7140 FWD 1025 hrs, exc. cond., owner operated/service \$69,500.; 540/234-9560 or 234-8437.

Case tractors, 1936 L, runs nice; 2 LA's, run but need work. 10% off through Dec. Parting out LA, SC, RC, 500, 930. 717-529-2943 8-8:15a.m.

Case W14 wheel loader, good rubber, recent engine and injector pump, new paint, nice, \$15,000. 610-932-5576.

CIH 2096, cab, AC, heat, power shift, good 20.8x38 rubber, 3150 hours, nice clean tractor, \$23,000. 717/258-6682 No Sunday calls.

Antique tractors, 2 JDB's, Oliver 60, AC-WC un-styled. All need work! Styled WC runs nice. 717-529-2943 8-8:15 a.m.

BACKHOE ATTACHMENT, ARPS, 3pt., #90 for small compact tractor, \$2,500. 410-833-9091

BATWING MOWERS, new WOODS 15' & 20', \$5,500. & \$7,000. 410-833-9091

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Bobcat 7753 skid loader, 1991, 1600 hours, \$13,500, or trade on equipment or dairy cattle; 410/692-6028. 410/692-6351.

Brillion 8' & 10' packer/ seeder; Brillion 5'4" landscape seeder; NI & mechanical transplanters, pull-type & 3pt hitch. Thom Wheary Jr., 717/687-0102.

CASE 900, fender, diesel, 70 h.p., LPTO, dual hyd., no 3 pt, needs TLC, \$1,200. 410-833-9091

CASE 900 Wheatland w/ cab, live PTO, 70 hp, dual hyd., front weights, 6 cyl. diesel, nice, \$2,700. 410-833-9091

CASE 930, diesel, cab, LPTO, dual hyd., no 3 pt, 85 hp, clean Colorado tractor, \$3,500. 410-833-9091

Case 1825 skid loader, gasoline, 1425 hours, excellent condition, \$6,500. (717)243-7797 evenings.

Case 1845 skid loader, new tires and bucket, fresh engine, \$7500. 610-932-5576.

Antique manure spreader w/clear iron wheels, working, 1,000. Other antiques. Rakes, plow, iron wheels. 410-756-4627.

1947 RTU MM tractor, recently painted, new tires, calcium filled, needs some work, \$1,200 firm. (717)725-3566.

1968 2 Cow Wooden Cattle Trailer; 1,850 Gallon Anhydrous Amonia Tank and Wagon w/Meter and Cold Flow Box, Excellent for Treating Corn Silage. All Offers Considered; 7' Tire Scrapper, 3Pt. Hitch, Good Condition. (610)687-4286.

1978 7700 diesel, hydro, hydraulic latch auger, super immaculate, \$10,900. Trade & Finance. Larry Stalter "The Combine Man" 1-800-248-2151

1979 International 1440 axle flow combine, 2900 hrs., 13', 1810 grainhead, 4R 843 cornhead, 1 owner. 814-629-9566.

1982 Deere 6620, low hrs., Indiana machine, immaculate, 90% tires, \$26,650. 6600 diesel, 50 hrs. on engine major, \$6,500. Larry Stalter, "The Combine Man" 1-800-248-2151

1987 AC 8070 tractor, cab, air, power shift, MFWD, 20.8x38 rear dual tires, 90% tread on all tires, 3 remotes, 1600hrs, exc. cond. \$32,000.; 609/894-4363.

1988 Bobcat 743, 2700 hours, can deliver. 717/738-2044 after 5:30pm.

1991 Jones Tub grinder 235 hp w/mag. separator \$28,000.; 609/894-4363

"1" only- New Demo Zetor tractor #7711, 77hp, 10 speed, 3pth, hydraulics, \$13,995. Waiver of payments 'til April 1, 1996, w/ approved credit and 20% down. (716)296-5278.

(2) Case 380 parts tractors, \$1800 for the pair. 610-932-5576.

(2) gravity bins w/running gears, \$1,000/both. IH 340 tractor, NF, fast hitch, ind. live PTO, \$2,500. IH 35 hay rake, good shape, \$800. (610)857-5706.

2-Poly Rotec Fertilizer Tanks, 2250gal/each. Franklin County. (717)264-8900.

3940 JD chopper, 5 1/2' pickup, 2RN, good condition. Franklin County, (717)762-6715.

3-pt hitch for JD620, 720, no top link, \$750 firm. 717-278-1910.

410 Knight Manure Spreader. \$1,000/OBO. Call (410)778-3680.

4600 Hesston haybaler w/ bale thrower and hyd. tensioner, excellent condition, \$7500 OBO; Brand new Hesston bale thrower w/ hyd and controls, \$1000. 717-386-5696.

699 MF 4WD, 95hp, \$14,900. (Loader available.) NH 352 grinder mixer, \$1,050. (717)539-8508.

7700 combine hydro, diesel, 404 turbo, excellent tires, 15' rigid head, ready to go, (215)885-1032.

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MANAGEMENT PROGRAM MAY REDUCE SPIKING MORTALITY SYNDROME IN SUSCEPTIBLE FLOCKS

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In recent years, spiking mortality syndrome (SMS) has been recognized as an infectious disease caused by a viral agent, possibly an arena-like virus, that can result in significant losses in turkey, broiler, and some breeder flocks.

Broilers usually show symptoms of the disease within the first 2-3 weeks after hatching, and can exhibit ruffling, enteritis, and, in response to stressors such as feed depletion, severe low blood sugar or hypoglycemia that can ultimately result in death.

Until recently, efforts to find approaches to reduce the severity or incidence of this disease in highly affected areas have not been successful. However, the recognition that SMS is a transmissible viral disease raises hope for the development of a vaccine for preventative immunization of flocks.

From a management standpoint, there may be some efforts that will reduce the transmission of the disease and minimize losses in already infected flocks.

Darkling beetles have been identified as a transmission vector. Consequently, litter should be cleaned out and houses disinfected between flocks. High house temperatures between broods appear to destroy the virus, so heating houses to 120 degrees F. may be an

effective adjunct to chemical disinfection.

Rodents also are known to be carriers of arena- and bunyaviruses, so an effective rodent control program is essential from every aspect of a good house management program.

One of the recent approaches to control mortality in infected flocks that may be highly effective, although further controlled studies are needed to fully verify this approach, is through the use of a controlled lighting program that minimizes stress and, thereby, the incidence of hypoglycemia and spiking mortality. Such a program is based on subjecting broilers to increasing periods of darkness from hatching until 2 weeks of age, the period when birds are most susceptible to clinical manifestations of the disease, and when high mortalities may occur.

Beginning at hatch, the dark period is increased until, by the second week of life, chicks are subjected to 10 hours of darkness from 8 to 14 days of age. After this period, the duration of darkness is decreased until birds are under 22 hours of light at the time of processing.

In studies conducted by Dr. James F. Davis of the Georgia Poultry Laboratory in Oakwood, Ga., birds that were experimentally infected with inocula previously shown to cause SMS, and maintained under 24 hours of light per day, exhibited 18 percent mortality in response to an induced stress. Of the remaining live birds, 39 percent exhibited hypoglycemia and 22 percent had clinical symptoms of SMS. In contrast, there were no mortalities among inoculated birds

maintained under the modified lighting program and no clinical symptoms of SMS.

Only 6 percent of birds in this group were measurably hypoglycemic. Use of this modified lighting program by a broiler company in Georgia reportedly virtually eliminated SMS and ruffling in their flocks while maintaining normal body weights at processing and feed conversions within the normal range. Positive responses to such a program have been obtained both experimentally and in the field.

The mechanism by which modified lighting reduces the clinical manifestations of SMS and the incidence of mortality is not known. However, because physical activity and sensory-perceived stress to birds are decreased during the dark period, glucose demands would be lower.

It has also been suggested that the sensitivity of birds to stress-related hormones, which normally increase metabolic rate, would decrease with reduced lighting, again reducing glucose demands. The combination of all these factors may thus contribute to maintaining higher blood glucose levels and reducing the likelihood of hypoglycemia.

