

BVD Update, Cattle Restraint

(Continued from Page A32)

Sammons. But there might be cattle affected because of recent sales. Sammons said about a month ago, there was a sale in eastern Lancaster County that sold 700 head of dairy cattle. The cattle went from Maine to Florida. The next day, two cows in the herd associated with that barn broke and 14 hours later were dead from Type 2 BVD. Those with closed herds, with a good vaccination programs and good biosecurity, shouldn't have to worry about contracting BVD. "A closed herd is till a very good

way to go," said Sammons. Those who purchase animals from outside have to take extra animal health precautions.

What concerns veterinarians throughout the state, in addition to BVD, are other problems that producers shouldn't neglect in their herds. Shipping fever remains a problem, as does IBR and leptospirosis.

"If I were a farmer in this area, I'd certainly have my cows vaccinated," he said.

Cattle Treatment Facilities

Sammons detailed some of the

recent research conducted at Penn State and other universities on restraint and treatment facilities for dairy animals.

For many producers, it is often difficult to try to round up and steady animals for treatment. Self-locking headgates in all the heifer pens is the current recommendation, based on studies that showed how difficult it often is to chase animals around pens to get them in a position to administer to their health care needs.

"These gates work real well if the animal catches itself," said Sammons. "They don't work very good if you're chasing an animal in to them, unfortunately."

Some other findings:

- Animals on pasture also require headgate facilities. A corner of the pasture should be used to catch the animal for treatment. Also, reserving an area of the pasture to locate a headgate goes a long way in saving time and energy.

- A self-locking headgate system in the holding area of the freestall barn is one way to check each animal being added to the herd.

This helps keep the cows healthy and clean when the veterinarian is ready to work on them. "If we can do prevention, that is by far the biggest way to go," he said.

- For calving pens, instead of individual group pens, which take a lot of time and work to maneuver animals into and out of, research has indicated that group pens can be used to monitor three or four pregnant cows at a time, working with those that need the most attention.

- A new device called a "floating downed cow" system literally floats a cow that has, for instance, a broken leg, in a tank of water to make it easier to treat her.

Afterward, Sammons provided a demonstrations of some of the currently available modern cattle handling and restraint systems.

Milking System Management

Dairy producers face certain challenges when trying to clean out a milking pipeline.

Often, it doesn't get cleaned properly. That can be blamed on circulation failure in one form or another, according to Dr. Doug Reinemann, assistant professor of ag engineering, University of Wisconsin.

Reinemann said that for pipelines, a variety of factors can influence a good cleanout. They include air bleeds, improper vacuum, improper injection time, and others that prevent the inner pipe from getting clean.

The key is to get a good-sized cleaning "slug" of water through the system, and testing the entire system for proper slug form and velocity.

Many times, too much vacuum pressure can destroy the slug, and areas of the pipe don't get clean. Or, if pressure is not timed properly or inadequate, often parts of the slug "wave out," not allowing upper portions of the interior pipe from becoming clean.

"It's not the air, but the water that cleans," Reinemann said. "The moral of the story is that you can have too much air. In a three-inch modern system, almost always, there is too much air. You need to control air velocity."

There are ways, such as using vacuum measurement devices, to actually "look" at the slug. At the start of cleaning, the slug can be monitored to see how it is from start all the way to the receiver end.

A common problem for cleaning systems is often too short of a cycling time. Also, the capacity of the milk pump is often the controlling factor on the formation and consistency of the slug.

System design also has to be carefully looked at. A way of cleaning a simple straight line milking system will differ from double Y or milking parlor lines. For proper cleaning, minimize the use of elbows and other parts of the line and provide a more perfect balance.

According to Reinemann, for those who design pipelines, the key factors include increasing slope near receiver, work with slope to minimize length of run, and minimize fittings and obstructions.

Reinemann provided a demonstration in properly "tuning" a milk cleaning system check at the expo.

Other demonstrations included information on baited fly traps by Dr. Charles Pitts, Penn State, and a demonstration of a cattle electric walk-through fly trap for the control of face, stable, and horn flies by Bob Bassler, manager, Clarksville facility, University of Maryland. The walk-through facility brushes off flies, which are then terminated on sideline electrical arc wires.

Other speakers included Dr. Howard Person, Michigan State University, on building design for rodent and bird control, and tools for financial planning, provided by Dr. David Kohl, Virginia Tech and Gary Snider, Farm Credit of W. New York.

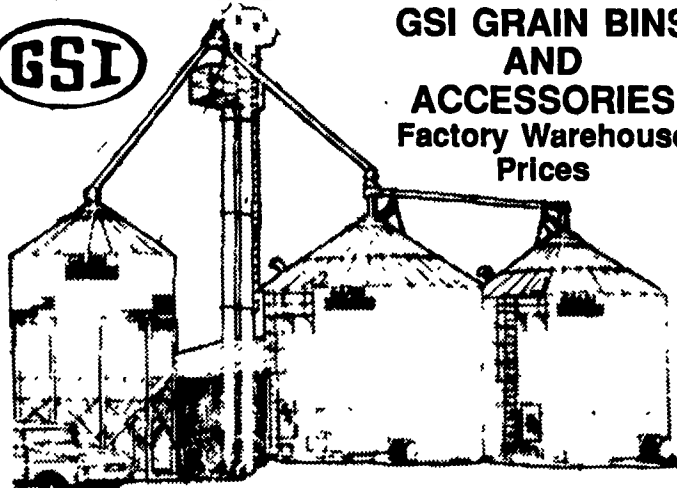
Tours to Hershey Brothers Dairy and Farmer Boy Ag were also conducted.

EMHERR GRAIN BIN SPECIALISTS Plan Now For This Years Crop

Quality Grain Equipment At Affordable Prices



GSI GRAIN BINS AND ACCESSORIES
Factory Warehouse Prices



- Weight-Tronix Feed Mill
- Transport Augers
- Bucket Elevators
- Stirring Systems
- Utility augers
- Grain Dryers
- Feed Bins
- Wet Tanks
- Grain Bins

(Leasing & Financing Available or 90 Days Same As Cash For Qualified Applicants!)

YOUR EXCLUSIVE **GSI** FACTORY WAREHOUSE

ALSO STOCKING GRAIN EQUIPMENT PARTS & ACCESSORIES

- Augers
- Pipe
- Bolts
- Nuts
- Caulking
- Motors
- Pulleys
- Dryer Parts
- Fans
- Hoppers
- Power Heads
- Flex Pipe

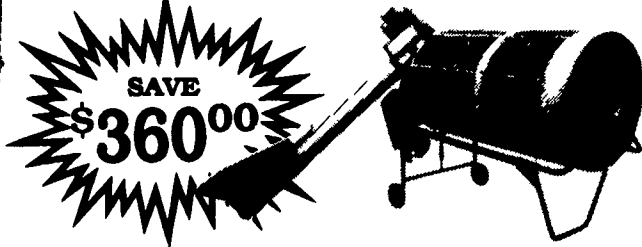
B & W GRAIN AERATOR

Reg. \$129.99
SALE \$109.99



Model 40 • 2 Stage
GRAIN CLEANER

- 40" Outer Drum
- Double Screens
- 8"x8' Fill Auger With Motor
- Fully Assembled
- Capacity - 1600 BPH At 15% Moisture
- Larger Models Available



SAVE
\$360.00

Reg. \$2,259.00
SALE PRICE - \$1,899

ATTENTION GRAIN FARMERS:

Now is the time to have your grain dryer inspected for this years harvest. Call one of our servicemen today to schedule an appointment

OPEN FOR YOUR SHOPPING CONVENIENCE
MONDAY - SATURDAY 7:30 A.M. - 8:00 P.M.

★Full Line Parts Dept.★
★Sell, Service & Install★

Rt. 272 South
14 Herrville Road
Willow Street, PA 17584

Ph. 717-464-3321 or
Toll Free 800-732-0053

Store Hours:
Mon.-Sat. 7:30 AM to 8:00 PM



UPS
Shipping Point

7-16



Let Your Crops Dine On Alpine

The Company That
Offers You
High Quality Plant Food
At Competitive Prices

Talk To Us About Seed Banded Plant Food And Folliar Feeding

Place Phosphorus Where It Does Most Good
(Seed Banded)

6-24-6 9-18-9 3-18-18 5-15-15
Check Early Order & Quantity Price

Zimmerman Lime & Fertilizer, Inc.
(717) 733-7674

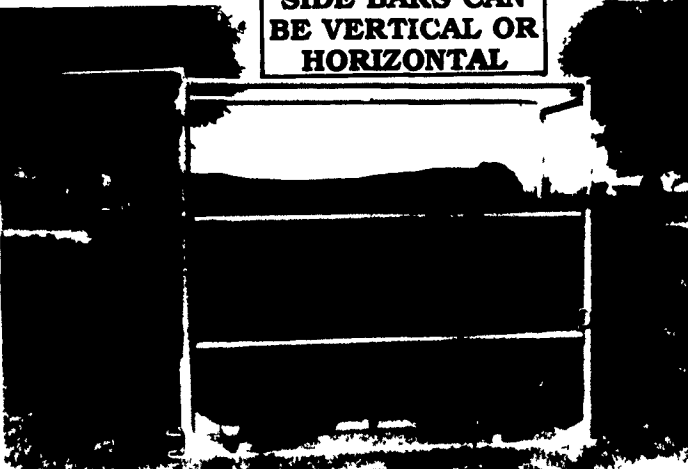
235 W. Burkholder Dr.

Lititz, PA 17543



GROOMING CHUTE

SIDE BARS CAN
BE VERTICAL OR
HORIZONTAL



- Coated with baked on TGIC Polyester Urethane Powder
- For safe and easy grooming, washing and clipping cattle
- Expanded metal floor stays cleaner and gives more traction
- Assembles and disassembles quick and easy
- Can easily be moved and loaded by one person

PAUL B. ZIMMERMAN, INC.

Call or Write For
Additional Information
And Your Nearest Dealer

Hours
Mon. Thru Fri.
7 to 5
Sat. 7 to 11

285 Woodcorner Rd.
Lititz, PA 17543
1 Mile West of Ephrata
717-738-7385