

Adams farmers hear anaplasmosis is \$100 million disease

BY SHEILA MILLER GETTYSBURG — Anaplasmosis is a disease that costs the cattle industry \$100 million each year, said William Herberley, of Fort Dodge Laboratories.

Herberley was one of the guest speakers at last Thursday evening's meeting, sponsored by the Adams County Extension. Close to 75 concerned farmers listened intently to an update on the disease.

Anaplasmosis is an infectious blood anemia disease, explained Herberley.

"Anaplasma marginale, a blood parasite, takes the animal's red blood cells and causes their destruction," he said.

The sales manager for the Midwest company that manufactures a vaccine for the control of anaplasmosis told the group that the disease is spread from in-

fecting animals to healthy animals by anything that carries blood. This could be a biting insect, like horseflies, ticks, and mosquitoes, or man, when unsterile techniques are used when giving injections or castrating animals.

Herberley stressed that animals that recover from the disease remain carriers, and their blood is infective to susceptible animals.

This disease affects most ruminants, including cattle, sheep, goats, and deer. But, most of the work has been done on cattle due to their higher cost per head, and the fact that goats and sheep seem to be more resistant to the disease, he explained.

In their studies of the disease and the parasite that causes it, Fort Dodge has found that the parasite doubles in population in 24 hours, said Herberley.

"Considering there are 7 million red blood cells in a cubic millimeter of blood, it takes 21 days for the parasite to infect 1 percent of the cells. By the 28th day, 68 percent of the cells are infected and by the 31st day, 80 percent are infected."

Sometime after the 21st day, Herberley said, there will be noticeable clinical signs of the disease.

"In dairy animals, you'll notice a falling off of milk production and feed intake.

The skin will also appear pale.

"In a beef herd, where you don't see the cattle twice a day as a rule, your first clue to a disease problem may be a dead animal."

Fort Dodge recommends that a farmer who suspects a disease problem should check the color of the cow's vulva and udder—if they're pale instead of pink, there may be a problem.

Also, the color of the urine is an indicator. "An animal with anaplasmosis has normal colored urine, where a sick animal with leptospirosis has urine the color of port wine."

The vaccine manufacturer stressed that any infected animals should not be excited or loaded in trailers—instead the healthy animals should be moved out. He added the farmer's main concern should be the health of the rest of the herd.

"If the infected animal is calm, it can be treated with tetracycline. But remember, this drug is only effective if the disease is still progressing.

"If the cow is constipated, give her a laxative. If she is dehydrated, give her water either through a stomach tube or intravenously. In severe cases, a blood transfusion can be given—slowly."

(Turn to Page B6)

WHOLESALE & RETAIL

**DISTRIBUTOR FOR:
SCHLESSMAN'S
SEED CORN**

Need Corn Dealers In Different Areas

SORGHUM SUDAN GRASS

★ ALFALFA ★ CLOVER

SOYBEANS

- Williams • Amsoy 71's • Cumberland
- Cutler 71 • AS 3860
- SS 120's, SS 130's

CHEMICALS

FERTILIZERS

BALER TWINE

BOYD'S SEED CENTER, INC.

306 Iona Rd., Lebanon, Pa. 17042
Phone: 717-272-8943

Patz

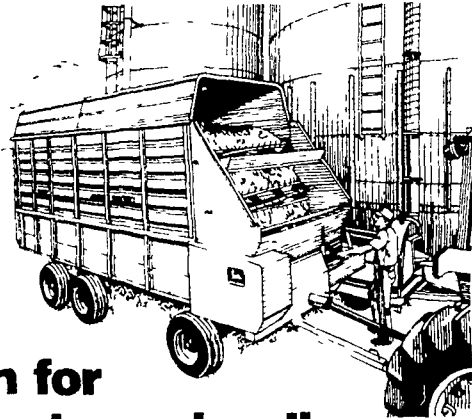
★ Barn Cleaners, Manure Pumps,
Manure Stackers, Silo Unloaders,
Bunk Feeders, Feed Conveyors

MARVIN J. HORST

DAIRY EQUIPMENT

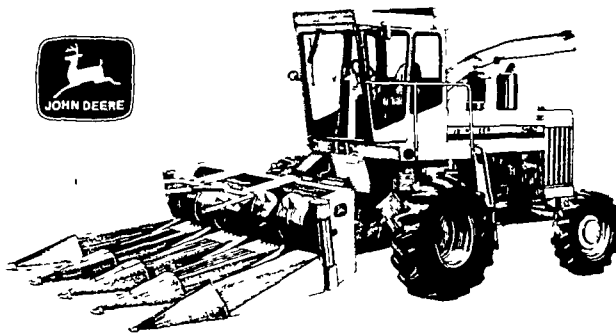
1950 S. 5th Avenue, Lebanon, Pa. 17042
Phone: 717-272-0871

A new drive system for even faster unloading



The new John Deere 714A and 716A Forage Wagons can now unload faster than ever. Top speed has been increased to 11.5 feet per minute to keep your silage-making operation running smoothly. Capacities of 593 and 677 cubic feet mean fewer trips to the silo. See the 714A and 716A today.

AFFORDABLE

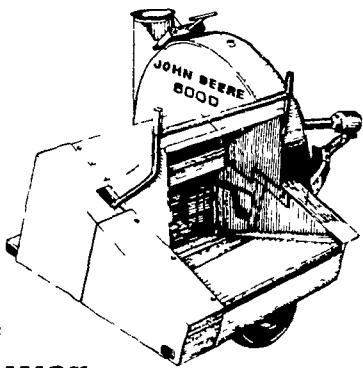


Here's why a move from pull-type to self-propelled forage harvesting can pay for itself

A self-propelled forage harvester is an investment, not a luxury. You're purchasing the ability to harvest more of your silage at its nutritional peak. You're gaining the ability to open your own fields, and the extra maneuverability self-propelled harvesting offers. You have in your hands the ability to keep your entire silage operation (from field to silo) running at full capacity. Now you can use your high-horsepower tractors for other jobs. You may be able to reduce manpower needed. Adverse field conditions are no longer a major problem.

Come in and sit down with us. Let's talk about your silage operation and why your next move should be to self-propelled harvesting.

No silo too tall... for this 1000-rpm forage blower



There are no bottlenecks at the silo with this heavy-duty blower, designed for 90-hp and larger tractors. Just one continuous silage pipeline from field to storage as the 6000 Blower throws it home with a blazing fan-tip speed of 143 mph.

LANDIS BROS. INC.
Lancaster, PA
717-291-1046

NEUHAUS'ES INC.
RD2, York, PA
1-83 Loganville Ext 3
717-428-1953 or
235-1306

ROBERT E. LITTLE INC.
Zieglerville, PA
215-287-9643

M.S. YEARSLEY & SONS
West Chester, PA
215-696-2990

ADAMSTOWN EQUIPMENT INC.
Mohnton RD2, PA 19540
(near Adamstown)
215-484-4391

SHOTZBERGER'S EQUIPMENT
Elm, PA
717-665-2141

KERMIT K. KISTLER INC.
Lynnport, PA
215-298-2011

AGWAY INC.
Chapman Equipment
Center
Chapman, PA
215-398-2553

PIKEVILLE EQUIPMENT INC.
Oyster Dale Road
Oley RD2, PA
215-987-6277

A.B.C. GROFF INC.
New Holland, PA
717-354-4191

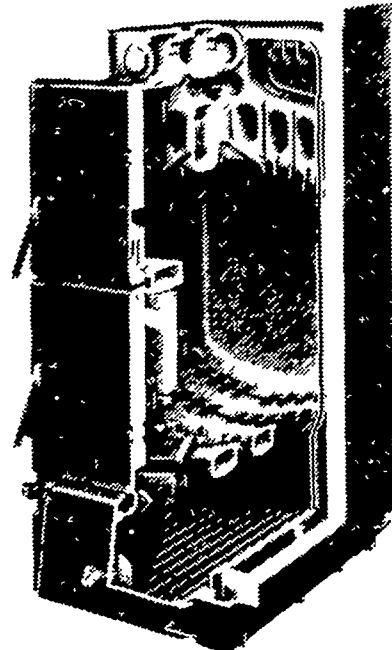
FOSTER EQUIPMENT SALES
Elmer, NJ
609-769-1535

I.G. SALES
Silverdale, PA 18962
215-257-5136

Convert your present Hot Water Heating System to burn Wood or Coal!

Find out why we're #1 in the World!

- Adds on to your existing Hot Water Heating System.
- ASME Approved.
- Burns Wood or Coal
- Several Sizes
- Cast Iron Construction.
- Wet Base. (Water Grates)
- Converts to Oil



Buderus

Dealer Inquiries Invited!

WOOD HEAT

Rt. 212, Pleasant Valley,
Quakertown, Pa. 18951
Ph. (215) 346-7894



Open Mon & Fri 8-8, Tues. & Thurs 8-5, Sat 8-5,
Closed Wednesday & Sunday