

## USAHA recommends lower brucellosis vaccine dosages

NEW YORK, N.Y. — The U.S. Animal Health Association's brucellosis committee has recommended some important changes in the national brucellosis eradication program — changes of

special interest to most beef cattle raisers and dairymen. One of the proposals would greatly reduce the dosage of Strain 19 vaccine used in calves. Another would raise the official age for calfhood vaccination.

These and other proposals were made at the mid-year meeting of the committee, in July at Kansas City. Several steps remain, however, before the proposals can be acted upon by the U.S. Department of Agriculture.

Noting high interest in the reduced dosage recommendations in particular, Paul Becton, director of brucellosis eradication for USDA's Animal and Plant Health Inspection Service, said "we'll do everything we can to speed the approval process along."

One of the first steps towards approval will be a review by the association's scientific advisory committee. Then the

association's executive committee, including 50 state veterinarians and 25 to 30 allied industry officials, will be polled by mail.

Meanwhile, USDA's biologists licensing and standards officials will review the results of research conducted by scientists at the National Animal Disease Center, Ames, Iowa.

The preliminary data examined by brucellosis committee members indicated that reduced dosage stimulates ample resistance against brucellosis without causing confusing levels of antibodies in the blood.

One criticism of the present standard dosage of

Lancaster Farming, Saturday, September 13, 1980—C27

Strain 19 vaccine is that a few animals develop persisting residual blood titers after vaccination. This can confuse blood test results and interrupt sales, especially when older calves are vaccinated.

Titers are the measurement of antibodies resulting from vaccination or infection with Brucella.

Titers induced by vaccination using the reduced dosage are lower and recede very rapidly, yet the degree of immunity is not significantly different from that produced by the current dose.

"Being able to vaccinate animals up to 12 months of age without having to worry about false reaction to blood tests will be a great advantage," said Becton.

Currently, the official calfhood vaccination ages approved under program standards are 2 to 6 months for dairy breeds and 2 to 10 months for beef breeds. The latter varies slightly in some states. With reduced dosage, the vaccination ages would likely become 4 to 12 months

for all breeds.

In high incidence states of the Southeast and Southwest, reduced dosage is already used on a limited basis for adults in what is called the whole-herd vaccination plan. According to Becton, these states should have little problem implementing reduced dosage on a wide scale once the go-ahead is given.

"This is important," he said, "since it may be two or three years before vaccine manufacturers could prepare and label standardized vaccine at the reduced dosage for national distribution."

In other states, brucellosis laboratories will have to become proficient at doing vaccine viability counts and implementing other steps necessary to make the produce ready for use by veterinarians and officials in the field.

In all states, those who use the vaccine will have to be trained in proper handling to assure that a high quality vaccine is safely and effectively administered.

you'll find it...  
...here



... at your  
modern farm systems center-

the complete line of mfs "Stor-Age" grain bins, high-speed drying, conditioning, and handling equipment. See your mfs dealer now for full information on the equipment you need - take advantage of his many years experience in grain systems planning - a professional service available to you at no cost and with no obligation. Let him show you why mfs "Stor-Age" is the best equipment choice you can make for now and for the future!

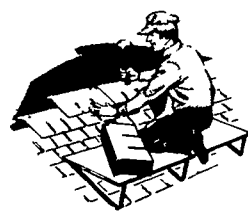
PLACE YOUR ORDER EARLY AND BE ASSURED OF DELIVERY IN TIME FOR THE COMING HARVEST!



**HADÉ'S EQUIPMENT**

(Glenn Hade)  
10355 Five Forks Rd.  
Waynesboro, PA 17268  
Ph. (717) 762-4985

## ROOFING & SIDING



- \* GALVANIZED PLAIN and GALVANIZED PAINTED ROOFING & SIDING
- \* SPOUTING
- \* 1½" SUPRATHANE INSULATION
- \* 3½" FIBERGLASS IN ROLLS
- \* BLOWN IN INSULATION FOR CEILINGS

**JOHN M. ESH**

RD #2 East Earl, PA 17519  
Phone - 717-354-7561  
Rt. 322 & Fetterville Road



**READ  
LANCASTER  
FARMING  
FOR COMPLETE  
AND  
UP-TO-DATE  
MARKET  
REPORTS**



## ATTENTION AREA FARMERS!

Read Steel Products announces an Inventory Clearance of a selected number of discontinued model Farm Grain Bins. During this special sale, Read Farm Grain Bins are available to you at substantial savings. New model bins will soon be available through authorized Read Dealers at regular prices, so don't miss this opportunity to save on bins currently in stock.

You can buy a Read Grain Storage system at special prices direct from our factory warehouse at Garner, North Carolina. Call Barry Hoke, your Read Division Sales Manager COLLECT at (717) 665-2009 for Read's Special Offer! **HURRY—Buy now while supplies last!**



Read's Authorized Dealers are fully aware of this special warehouse offer. They will be offering Read's 1981 model Farm Grain Bin in the very near future!

**READ**  
Steel  
Products

Agri Products for Agri Industry

PO Box 7343-A Birmingham, Alabama 35253  
(205) 595-2181

PO Box 325, 1308 Bobbit Drive,  
Garner, North Carolina 27529 (919) 772-6130