

## New Compound

(Continued from Page D2)

said. "Most of the increase in muscle was in hind legs, up by 19 to 33 percent in both experiments, while loin muscle areas increased in size by 25 to 30 percent."

The Cornell scientist noted that loin eye areas in cimaterol-fed animals reached normal size five to six weeks sooner than those in the control animals. More important, cimaterol reduced the amount of fat in carcasses by 32 to 66 percent in the Dorset wethers (castrated lambs) and by 30 to 38 percent in the Suffolk-Dorset ram lambs.

"Even the fat within the muscle decreased by about 50 percent," Beermann said.

His findings also include:

- The animals did not grow any bigger than normal. Thus, the overall size and weight of the animals at slaughter were within the normal range.
- Cimaterol had no effect on bone growth in terms of size.
- Feed consumption by cimaterol-fed animals was no more than usual amounts in both experiments.
- The health of the animals remained unaffected.

Results of the studies demonstrated that cimaterol significantly improves carcass characteristics as well as carcass composition, Beermann pointed out.

"Short-term and long-term administrations of this compound were equally effective in enhancing muscle growth and in reducing fat accretion in both types of lambs tested," he said. "These changes were achieved without altering growth rate, feed consumption or feed efficiency."

Just how cimaterol brings about these changes remains a scientific mystery.

"What's apparently happening is that more nutrients that are normally used for fat formation in the body go to muscle development," Beermann theorized. "It may work like bovine growth hormone, which mobilizes more nutrients for milk synthesis in cows."

The Cornell scientist said that it may be several years before this chemical will become available for commercial use because much more research is needed to find out how the compound works in animals.

ST. JOSEPH, Mo. — Angus exhibitors from across the United States and Canada have entered their best bulls and heifers, totaling 379-head for the 1987 Roll of Victory (ROV) National Angus Show to take place during the National Western Stock Show in Denver, Jan. 16 and 17.

The open Angus female show will start Friday's activities off. Judge Jim Hough, Lakeville, Connecticut, and his associate judge Eric Rincker, Gormley, Ontario, will place the Angus cattle beginning at 8 a.m. in the Stadium Arena. The open bull show will take place on Saturday, January 17 at 9:00 a.m. in the Arena.

Judging of Angus cattle actually begins on Thursday, January 15 in the Stadium Arena at 9:00 a.m. with the placing of the Angus sale bulls. Doug Slattery, Burkett, Texas, will judge this event.

The National Western Angus Sale is scheduled for 1 p.m. on Friday, Jan. 16. It will be held in the Beef Palace Auction Arena adjacent to the cattle barns.

In addition to selling the 32

consignments, there is a possibility that some females from the open Angus show will sell and some flushes. Also, bulls from the open show may be added to the sale offering.

Dr. Doug Hixon, Laramie, Wyoming, will place the 17 heifers during the Junior Angus Heifer Show on Thursday, Jan. 22 at 3 p.m. The judging of the Junior Angus market steers will also take

place at 3 p.m. The 14 steers entered will be evaluated by Dr. John Edwards, Fort Collins, Colorado.

The official Angus headquarters for the National Western is the Denver Marriott Hotel-City Center. Angus breeders can obtain special convention rates at the Marriott by contacting the hotel. The phone number for the Marriott-City Center is 303-297-1300.

## Des Moines To Host World Pork Expo

DES MOINES — Iowa Governor Terry Branstad has announced that the National Pork Producers Council has selected Des Moines as the site of the first annual World Pork Expo. The event, in June, 1988, will combine a giant trade show involving all segments of U.S. agriculture, with "live" demonstrations of the latest technological developments now underway in the pork production industry.

A performance-tested hog carcass contest and performance-evaluated breeding stock show will

also be held in connection with the show. All of the events associated with World Pork Expo will be at the Iowa State Fairgrounds.

NPPC president Ron Kahle, a pork producer from Kearney, NE, said the World Pork Expo "will be like nothing that has ever been seen in this country." Since the Iowa State Fairgrounds will allow considerable room to maneuver, "we will be able to demonstrate to producers such things as embryo transfer techniques, gene-splicing and other exciting aspects of biogenetic engineering," Kahle said.

## TREAT YOUR WATER SUPPLY AND INCREASE YOUR PROFIT



If your herd's water supply has high levels of nitrates, sulfates and/or bacteria your cows can not reach their full potential.

### WE SPECIALIZE IN WATER TREATMENT ON DAIRY FARMS.

Our water conditioning methods reduce those robbing nitrates, sulfates, and bacterial to proper levels - resulting in improved herd Health - Milk Production - Butterfat.

**YOU TEST THEIR FORAGE — WHY NOT THEIR WATER?**

Contact us for information on our proven installations, and a test of your water supply.

## MARTIN WATER CONDITIONING

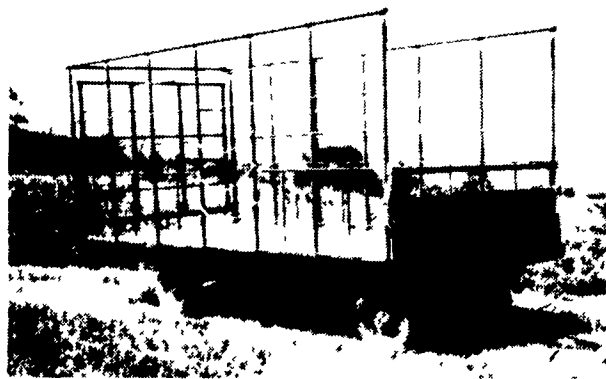
740 E. Lincoln Ave.  
Myerstown, Pa. 17067  
717-866-7555

548 New Holland Ave.  
Lancaster, Pa.  
717-393-3612

Early Morning & Evenings Call  
717-345-8795



## BEST BUY of the YEAR



- 6" Steel Main Beam
- 2" Vertical Tubing Drilled so that the 1" Horizontal tubing extends Full Length of Wagon
- Front-Side and Rear Loading and Unloading
- 2x8 Pressure Treated Lumber Floor
- 2x6 Oak Cross Beams
- Beds are 8' wide, available in 16, 18 or 21' lengths. Racks are 90" high.
- NEW FEATURE: 6" Channel across back for pushing wagon without damaging bed.

FOR FURTHER INFORMATION, CALL YOUR LOCAL DEALER:

LOST CREEK IMPLEMENT  
Oakland Mill, PA  
717-463-2161

MELROSE FARM SERVICE  
Greencastle, PA  
717-597-3138

KELLER BROS.  
Lebanon, PA  
717-949-6501

DUNKLE & GREIB  
Mill Hall, PA  
717-726-3115

WALTER G. COALE, INC.  
Churchville, MD  
301-734-7722

TOBIAS EQUIPMENT CO., INC.  
Halifax, PA  
717-362-3132

NORTHEAST DISTRIBUTING  
West Clifford, Pa.  
717-222-9020

VALLEY IMPLEMENT SALES  
Harrisonburg, VA  
703-434-9961

CHAMBERSBURG FARM SUPPLY  
Chambersburg, PA  
717-264-3533

OXFORD GREENLINE, INC.  
Oxford, PA  
215-932-2753

PAUL SHOVER'S, INC.  
Loysville, PA  
717-789-3117

A.B.C. GROFF  
New Holland, PA  
717-354-4731

CARLISLE FARM SERVICE  
Carlisle, PA  
77-243-4419

CLARK'S FARM SUPPLY  
Williamsport, PA  
717-494-0060

Manufactured By

## CLW MANUFACTURING, INC.

R.D. #2, Box 8  
Newburg, Pa. 17240  
717-423-6794