

Cattle Feed

New Process Improves Digestion

A new method of processing animal feed, tested at the University of Delaware Agricultural Experiment Station, has resulted in nearly 11 percent higher digestibility of corn and soybeans in feeding trials with dairy heifers.

Dr. Morris S. Cover, associate director of the station described the process, called "expanding", as similar to that used in making "puffed" breakfast foods.

"Corn and soybeans are placed in a large steam pressure cooker, creating great heat and pressure. The material is then forced out through a small aperture. The sudden reduction in air pressure causes the material to expand, rupturing the cells of the grain", Dr. Cover explained.

A research team of the Schöbl of Agriculture staff, designed the experiment and carried it out, under Donald W. Burton's leadership.

When dairy heifers were fed expanded concentrates along with long hay, better growth was achieved than when similar animals were fed long hay plus ground concentrates, or when the hay and concentrates were mixed at two parts hay to one of concentrate, then ground and pelleted. In the eight-week trial, the growth rate averaged 91, 79 and 70

pounds of total gain for the respective treatments.

"Expanded grains appear to have a considerable potential as a new feed manufacturing process, especially in the preparation of feeds for calves and other young animals", Dr. Cover said.

A report of the research team's findings was given by Dr. Haenlein at a recent meeting of the American Dairy Science Association at the University of Wisconsin.

Too Much Sun Can Be Fatal To Livestock

Summer sun brings happy smiles to the faces of most farmers—but it can bring sudden death to your farm animals, in the form of heat strokes, heat exhaustion and sunstroke.

Dangerous as these three deadly killers are, however, there is still much that can be done for animals when they fall victim to overexposure to sun or heat.

According to livestock health experts, the symptoms are similar for heat stroke, sunstroke and heat exhausting and, for practical purposes, so is the first aid treatment recommended.

Such symptoms always appear suddenly, they often appear violently. An animal's head drops. He staggers or falls unconscious. The animal's breathing is labored and his temperature hovers between a scorching 105 and 110 degrees.

When you see any or all of these symptoms, here is what should be done for your animal's first, move the animal out of the sun to a cool location. Pour cold water over his entire body, using a

hose, buckets or the most practical means available.

Place ice packs over the animals' head and wrap them around his four feet. This will hasten cooling and help prevent Laminitis. And, as soon as the body temperature of the animal approaches normal, reduce applications of water and ice packs and call your veterinarian. He will have to decide if intravenous injection is required to save the animal's life.

Yorkshire Sale Average Is High

The ten top bred gilts averaged \$170 at the recent state show and sale of the Pennsylvania Yorkshire Club held on the fairgrounds at Carlisle.

The top gilt in the show and sale was consigned by Reno Thomas, Beavertown and purchased by Old Home Manor Farm at Homer City for \$280.00.

The top spring gilt was consigned by George Cogley, Ronks R1, Lancaster County.

Thirty eight bred gilts averaged \$132.00 while seven spring boars averaged \$100 and six spring gilts brought an average of \$92.50 each.

Herman Purdy, Extension Livestock Specialist from the Pennsylvania State University judged the event.

Feed Company Adds Serviceman

Mr. Ned Sittler, Jr. has recently joined the sales force of D. E. Horn & Co., Inc., York, Pa., manufacturers of Horncro Feeds.

Mr. Sittler is a graduate of the Pennsylvania State University, having received his B.S. degree from the College of Agriculture, Department of Animal Husbandry. While attending college Mr. Sittler was a member of the livestock judging team participating in shows at Kansas City, Chicago, and Springfield, Mass.

Mr. Sittler will represent Horncro livestock and poultry feeds in Lancaster and Lebanon Counties of Pennsylvania.



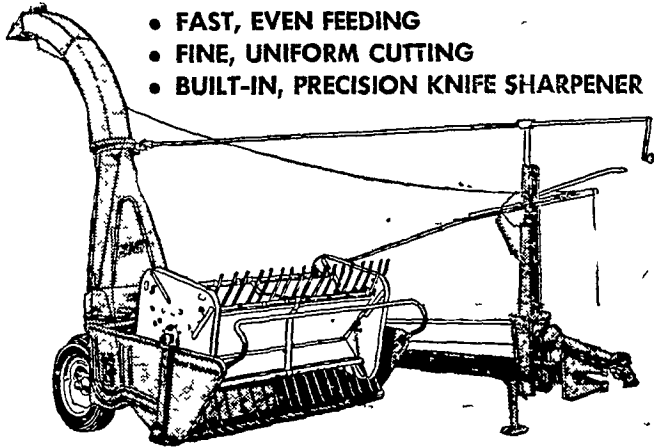
NED SITTLER

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This NEW 616 FORAGE HARVESTER from NEW HOLLAND

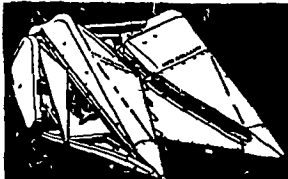
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NOW you can make BIG tonnage of quality silage—at a practical price!

For spring and summer cuttings: New direct-cut attachment, or New Windrow pickup—each over 5 ft. wide. **FOR FALL HARVESTING**



The only cornhead with two built-in, power-driven feed rolls, 50% wider between snouts than most choppers... gets you all the crop!

ATTENTION TOBACCO FARMERS!

Eliminate pole-burn this year by using a New Holland 750 Dryer. Manufactured in Lancaster County by local people.



This Model 750 Dryer also highly recommended for drying hay, grain and ear corn.

Below are listed a few Lancaster County farmers that are using New Holland Dryers to dry tobacco, grain and corn.

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| CLARENCE KEENER
R. D., Manheim | ELLIS MENTZER
R. D., New Holland |
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— DEALERS —

- | | |
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Have you tried this "Booster Feed"?



RED ROSE RUMENATOR

This ration is an excellent booster feed or appetizer for dairy and beef animals of all ages. Fortified with vitamin A, vitamin D2, vitamin E, animal fat and minerals, Red Rose Rumenator supplies high levels of available energy to keep herds in top condition.

When fed to dairy cows or beef animals Red Rose Rumenator supplies "energy and vitamin lift" . . . dairy cows stay at peak production longer . . . gets cows in better condition for calving . . . hair-coats are glossier . . . and young stock grow faster and are more vigorous.

RED ROSE RUMENATOR has had an excellent acceptance by all dairymen who have tried it. Why don't you try it, too? Feed 5 pounds of Rumenator per day on top of regular feed to dairy cows. For beef cattle -- start steers on 1 to 5 pounds per head per day for 5 to 7 days to improve and aid in bringing steers to full feed.



David B. Hurst
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Musser Farms, Inc.
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A. L. Herr & Bro.
QUARRYVILLE, PA.

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ATGLEN, PA.

West Willow Farmers Association
WEST WILLOW, PA.

Mr. Sittler will represent Horncro livestock and poultry feeds in Lancaster and Lebanon Counties of Pennsylvania.

Mr. Sittler's experience includes Assistant County Agent, Elk County, Pa., two years employment with large beef farm in western Pennsylvania and several years as Assistant Manager and Agricultural Chemical salesman for the J. C. Ehrlich Chemical Co.

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BARGAIN ITEM

Clothing on sale or a bargain item can be a real clothing dollar stretcher, points out Thelma Baierl, Penn State extension clothing specialist. But it is a bargain only if it will serve and wear as you expect it to do, if it will fit into the clothing plan, and fall within your budget.

CERTIFIED WHEAT

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