

High moisture grains keep poorly

HERSHEY — High moisture grain must be used as feeds for livestock and have poor keeping qualities when removed from the silo, reports H.W. Harpster, assistant professor of animal science at Penn State.

The animal scientist, a speaker at the 20th Anniversary Forage Conference held this week in Hershey, noted that farmers who feed dry grains will normally have the option of merchandising grain on the cash market if this should become more profitable than feeding livestock.

This opportunity is usually lost with high moisture grain.

"Storing high moisture corn involves more risk than dry corn storage, especially if good ensiling practices

have not been followed," Harpster emphasized.

"The farmer must be careful to match the size of the silo to the feeding operation. A sufficient quantity of material must be removed daily from the top so that spoilage is minimized."

One of the key advantages of producing high moisture corn is harvesting earlier in the year. Earlier harvest also facilitates more complete recovery of the refuse for feeding or bedding, he added.

The dustiness sometimes encountered in dry grain rations is avoided and properly ensiled high moisture grains are highly palatable and relished by cattle.

Their wet nature

minimizes the separation of ingredients when the ration is placed in the feed bunk.

Harpster noted energy yields per acre are maximized with whole-plant harvesting, but when more concentrated forms of corn are fed, animal rates of gain are higher, thus reducing nonfeed costs.

"In trials with growing and finishing beef cattle, improvements in feed efficiency of six to 10 percent are often found in comparisons of high moisture versus dry grains. And, high moisture corn grain appears to be equal to dry grain in rations for lactating cows," he said.

Use silage additives only under special conditions

HERSHEY — Certain materials added to silage such as non protein nitrogen, cereal grains, molasses, whey, and limestone will increase the concentration of nutrients, however, only

under special circumstances can they be recommended.

"None of these materials is essential to good silage formation when moisture concentration and storage conditions are right," said Neal P. Martin, extension forage agronomist at the University of Minnesota.

A speaker at the Forage Conference held in Hershey, Martin emphasized that when conditions do not permit wilting of high quality legumes or grasses, add cereal grains or dried whey.

Non-protein nitrogen addition to corn silage for lactating dairy cattle is suggested. Select the most economical NPN source, he added.

"The addition of limestone is not suggested unless high nitrate silage is ensiled. High nitrate silage will have more nitrate broken down during fermentation," he said.

Preservatives such as lactic acid, bacteria, sodium metabisulfite, mold inhibitors, antibiotics, salt, enzymes, mineral acids, and others will influence fermentation less than improved management, Martin noted.

"There is no substitute for good management. This includes harvesting at proper maturity and moisture concentration, chopping fine, storing in a properly sized structure, distributing the material evenly, and filling rapidly and packing to exclude air," he emphasized.

Cattle on feed down 3%

LANCASTER — Cattle and calves on feed November 1 for slaughter market in the seven states preparing monthly estimates totaled 7.79 million head, down three percent from a year ago and 16 percent less than November 1, 1978, according to the Crop Reporting Board.

Marketings of fed cattle during October totaled 1.58 million, down 4 percent from last year and 15 percent below October 1978.

Placements of cattle and calves on feed in the seven states during October were 2.25 million, off 6 percent from last year and 19 percent below October 1978.

Net placements of 2.12 million were off six percent and 19 percent, respectively, from last year and two years ago.

Other disappearance totaled 130 thousand compared with 144 thousand in October 1979 and 153 thousand in 1978.

4-H to hold hoedown

HAMBURG — The Berks 4-H County Council will hold a hoedown and modern dance at the Hamburg Field House on Saturday, November 29 from 8-11 p.m..

Music will be provided by "The Majestics". Tickets may be purchased from any

4-H member or they may be bought at the door. The dance is open to the public.

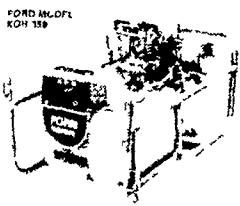
The proceeds from this dance will go towards the 4-H Center which will be constructed behind the Berks County Agriculture Building on the outskirts of Leesport

Other fund-raising projects for the center will be the sale of bird seed and calves. The bird seed consists of either cracked corn, a seed mixture or sunflower seeds. It may be purchased from any 4-H member as long as the supply lasts.

HOLIDAY SPECIALS



FORD AIR COMPRESSORS
4 Models
1/2 HP - 1 HP
2 HP Electric
4 HP Gas Powered



FORD GENERATORS
3 Models
1.75 KW
3.5 KW
5.0 KW



FORD PORTABLE HEATERS
4 Models
40,000 BTU
55,000 BTU
97,000 BTU
150,000 BTU



TOY TRACTORS, IMPLEMENTS & INDUSTRIAL EQUIPMENT BY ERTL

SAVE UP TO 20% NOW

FORD BATTERY CHARGERS



5 Models
12 Amp 12 Volt only
12 Amp 6 & 12 Volt
22 Amp 6 & 12 volt
36 Amp 6 & 12 volt
80 Amp 6 & 12 volt

FORD PORTABLE PUMPS



2 Models
100 GPM 3 HP Gas
130 GPM 4 HP Gas

FORD PRESSURE WASHERS



5 Models
(2) 500-550 PSI
600-650 PSI
700-750 PSI
1000-1100 PSI

NEW TRACTORS & EQUIPMENT

- 30 HP Ford 1900 w/live PTO
- 46 HP Ford 4100 w/Ind. PTO
- 40 HP Ford 340 Ind. Loader
- 50 HP Ford 445 Ind. TLB
- 40 HP Skid Loader Water Cooled
- 12 Ft. Disc Harrows
- 4 Row Planters - Air & Plate
- 532 Ford Balers
- 537 Mower Conditioners

USED TRACTORS & EQUIPMENT

- 2 - 5000 Ford Diesels 1 w/Turbo
- 1 - NAA Ford Tractor
- 1 - Farmall A w/Equipment
- 1 - 4400 Gehl Skid Loader (RENTAL) Available

PRICED TO SELL

A Full Line Of Farm & Industrial Tractors & Equipment Is Available - Many Qualify For Extended Waiver of Finance or Rebates At

LANCASTER FORD TRACTOR, INC.

(THE FRIENDLY STORE WHERE YOU GET MORE)

1655 Rohrerstown Road, Lancaster, Pa. 17601

Flory Mill Exit off 283

Phone: 717-569-7063

