

Specialist Offers Suggestions And Cautions On Feeding Urea

• Vet-Ag Teachers

● Black & White

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resented his fourth year of state competition. As a senior yearling he placed first in his class; as a two-year old, he stood third.

The senior and grand champion bull, Woodbourne Gorewood Reflector, was exhibited by Richard Frederick, Blair County.

For his grand champion female, judge John L. Morris, extension dairy specialist at the University of Maryland, went to York Countian George M. Knight's aged cow Pearl Ivanhoe Comet. The reserve senior and reserve grand champion female was also exhibited by a southeastern Pennsylvanian, Warren N. Hertzler, Dauphin County. She was Trudy Ivanhoe Reflection, a four-year-old Ivanhoe daughter.

Lancaster County entries scored for 14 placings in this 13th annual B & W Show.

In the junior heifer class, Robert Kauffman, Elizabethtown R1, placed third. In the intermediates, J. Mowery Frey, 401 Beaver Valley Pike, Lancaster, had first place; Lucinda K. Hess, Strasburg R1, eighth; and Richard H. Hess, Strasburg R1, 15th. Senior yearling placings went to Frey, eighth; Linford L. Weaver, Ephrata R1, ninth; and Mary Ellen Kettering, Lititz R3, 15th.

In the bull classes, Kauffman showed the second-place two-year-old, and Stauffer the second-place three-year-old and over (reserve grand champion).

In the two-year-old heifer class, Frey placed seventh, and Edwin E. Hess, Strasburg R1, ninth.

A sixth place and second best udder for three-year-old cow went to Frey; and in the four-year-old cow class, Frey placed eighth.

In the aged cow class, the veteran performer Oliverdale Inspiration Terry, owned jointly by Kauffman and J. Robert Hess of Strasburg, placed 16th. In discussing that 38-cow class, several bystanders rated it the "toughest class yet for Morris to judge". (The grand champion also came from that aged cow class.)

The 393-head Pennsylvania Black & White Show was rated by Penna. Holstein Assn. secretary William C. Nichol as about on a par for entries with the 1965 show.

Announcing the event Tuesday was Roger Emig, sales manager for the Atlantic Breeders Cooperative.

Corn silage used for dairy feed requires higher protein levels in grain rations. With the higher prices for natural protein feeds, some dairymen are seeking other methods of meeting protein requirements, according to Dr. W. R. Hessel-tine, extension dairy specialist at the University of Delaware. Some dairymen use urea, a synthetic source of nitrogen manufactured from ammonia and carbon dioxide, to raise the protein level of grain ration.

Urea, properly added to corn silage, enables the dairyman to feed a 16 percent protein ration rather than a 20 percent ration, he said. Hessel-tine recommends ten pounds of urea for each ton of corn silage. Wagon loads should be carefully estimated so that the recommended amount of urea can be used. Distribute the urea for each load evenly on the top before unloading or meter the urea into the silage with a hopper as it enters the blower, he advises.

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tember 1967 and will be studying at Penn State. McCarrell is a 1965 graduate of Penn State where he majored in dairy science. He will work primarily with the younger agriculture students this year.

Robert S. Elmer replaces Gene Daugherty in the agriculture department at Garden Spot High School where he will work with instructor Robert D. Herr. Elmer, a graduate of Penn Manor High School and Penn State University, did his practice teaching at Garden Spot in 1965. For the past year he has been teaching vocational agriculture at Ham-monton, N.J.

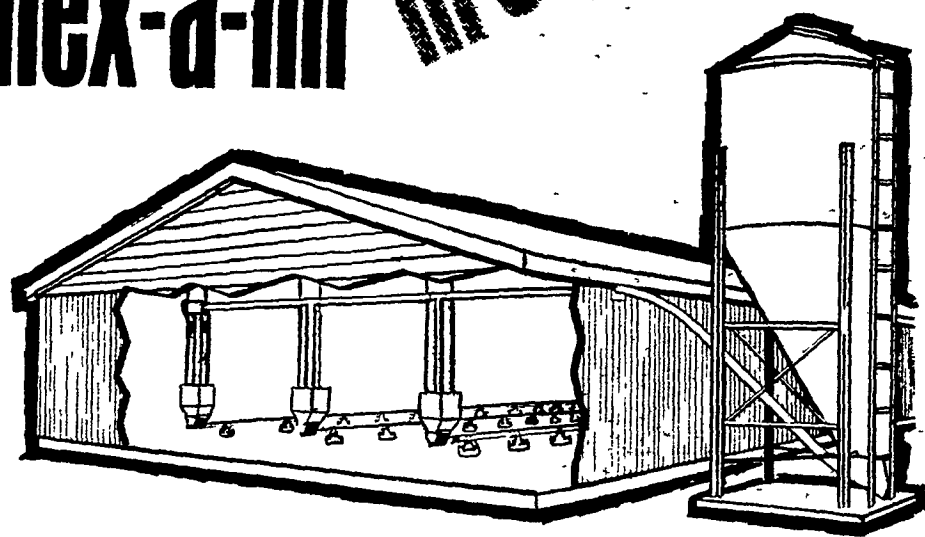
If urea is used on very mature silage, it will not ferment. The silage will have an ammonia flavor and may be refused by the cattle.

Soybeans and soybean silage should never be mixed with urea. Soybeans release the nitrogen in urea thus lowering its value. This is particularly true if the moisture level of the feed is high, according to Hessel-tine.

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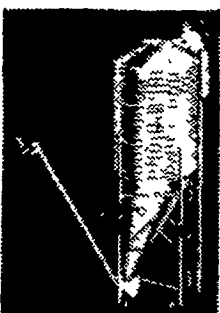


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