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8—Lancaster Farming, Saturday, June 23, 1973

Poultry Wastes Studied For Use In Livestock Feed

Crude protein supplement made from dehydrated poultry manure costs less than conventional supplements, according to results of tests reported by U.S. Department of Agriculture (USDA) scientists.

Nutrients in dehydrated poultry manure are utilized as efficiently as nutrients from conventional supplements, but more research is needed to ensure safety of this kind of feed before it can be recommended for ruminants-dairy and beef cattle, sheep and goats.

In a talk given at the annual meeting of the American Dairy Science Association, Lewis W. Smith, animal scientist of USDA's Agricultural Research Service (ARS), reported on studies that he and ARS animal scientist George F. Fries conducted at Beltsville, Md.

"Cows used the nutrients of this feed as effectively as those of a conventional feed, but they ate less silage and consequently

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produced less milk than did cows on a conventional diet," Dr. Smith said. "Although we have not determined why the cows ate less silage, the test data show that the savings from the cheaper dehydrated poultry manure would more than compensate for the income lost from lower milk production.

"In our experiments, dehydrated poultry manure is

E-town-Donegal Club Hears About Birds

The Elizabethtown-Donegal 4-H Community Club met at the home of Roy Sauder. The meeting was called to order by the vice-president, Jeff Swarr. He led the group in the 4-H Club pledge. Roll call and minutes were read by Rachel Brubaker, secretary.

Before the meeting the Club played baseball. After the meeting entertainment was provided by Miss Anna Mae Eby. She told the Club about birds -beneficial birds, summer birds, winter birds, year-round birds, and a lot more about birds. Following the entertainment, refreshments were served

The next meeting will be an ice cream party June 28 at the home of Martin Brubaker.

> News Reporter Judy Stoltzfus

A John Deere winner...

This popular self-propelled 6600 is backed with timesaving features you need used as a crude protein supplement. It is first dehydrated, then blended with corn meal to provide 17 percent crude protein. In these experiments, each 100 pounds of concentrate contained 32 pounds of dehydrated poultry manure and 68 pounds of corn meal. 'The mixture was then pelleted.''

The scientists prepared the experimental diet from manure of caged laying hens because drugs and medicants generally need not be fed to layers. However, further tests are being made to find out if the new feed is safe for man and animals.

Dairy cattle are ideal for use in research with feed made from processed wastes. Ironically, they may be the last group of livestock for which approval of such feed will be obtained, because of excretion of chemical residues in milk.

As test animals, dairy cattle produce fast results in terms of changes in milk production and chemical residues, if any. In contrast, meat animals take longer to rear to market weight and they must then be slaughtered to determine if any chemical residues appear in the meat. Because dairy cattle do not have to be slaughtered and replaced in each test, scientists can obtain more results for the same research dollar by using these animals.



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