

New Forage Evaluation

Methods used by scientists to evaluate quality of new forages for livestock will be displayed June 28 during a field day at the Agronomy Research Farm of Pennsylvania State University on Route 45 in Centre County.

Displayed will be various

New Museum Features Eggs and Seashells

Over 100,000 sets comprising the largest egg collection in the world, are housed in the newly opened multi-million-dollar Delaware Museum of Natural History in Greenville, near Wilmington, Del.

Conceived by John E. du Pont in 1957, the museum is a repository for eggs accumulated from older collections around the world. It also features collections of rare seashells, birds and mammals.

The museum's research collection comprises one million seashells, and 40,000 specimens of birds, including many extinct and vanishing species, besides the egg collection.

Mr. du Pont said that the work of the museum's researchers in the past two years has shed new light on how man has harmed his natural resources and what he must do in order to preserve them

methods used to determine forage quality. Such forages are produced in management and breeding experiments by scientists with the Regional Pasture Research Laboratory of the U.S. Department of Agriculture, located at Penn State.

Indirect methods of estimating forage quality include chemical analysis, the artificial rumen technique, and feeding of forage diets to small laboratory animals such as the meadow vole—a mouse-like rodent.

The meadow vole will be exhibited. Such trials enable scientists to discard low quality forages found unsuitable with small, inexpensive laboratory animals. Then the most promising forage varieties are evaluated in the more expensive experiments using livestock.

One of the studies at the USDA Pasture Research Laboratory has determined that the sugar content of grasses is highest in early spring and autumn, and lowest in July. From this sugar content animals obtain a portion of their energy requirements. As the grasses matured, the energy levels in the forages likewise decreased.

As a result of these findings, Pasture Laboratory scientists are working to increase the sugar content of forages for livestock.

The same energy levels were also found to decrease when nitrogen levels were increased. The decrease in the energy level

in the spring was more rapid in tall fescue and reed canarygrass than in smooth bromegrass and perennial ryegrass.

Other studies are attempting to increase energy levels from fiber, alter mineral content, and eliminate toxic factors from forage crops.

The June 28 Agronomy Field Day at Rock Springs will feature two wagon tours of crops research. The program will be a day-long event. To see everything, plan to take one tour at 9:30 a.m. and the other at 1:30 p.m., suggests Dr. Joseph D. Harrington, general chairman. The Agronomy Research Farm is three miles west of Pine Grove Mills on Route 45.

Happy Homemaking

By BARBARA BAKER

It will be easier to remove watercolor paint from a child's clothes if you put liquid detergent on the spots as soon as possible. Some fabrics do require a few washings before it all comes out.

* * *

Transform old clay pots, buckets and cans into beautiful "planters" by covering them with aluminum foil. This helps the plants retain moisture.

* * *

When broiling just one steak or two or three chops,

it is easier to take a nine-inch aluminum pie plate, turn a seven-inch pie plate (with a few holes punched in it) upside down in the larger one. Put your steak on top and the fat runs down into the nine-inch pan and is trapped, thus eliminating the splatter of grease in the oven.

* * *

Have at least three of every washable item of clothing and bedding for the newborn baby. An old saying goes: "One on the baby, one in the wash and one in the drawer."

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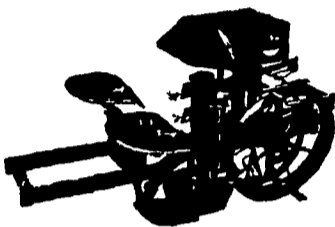
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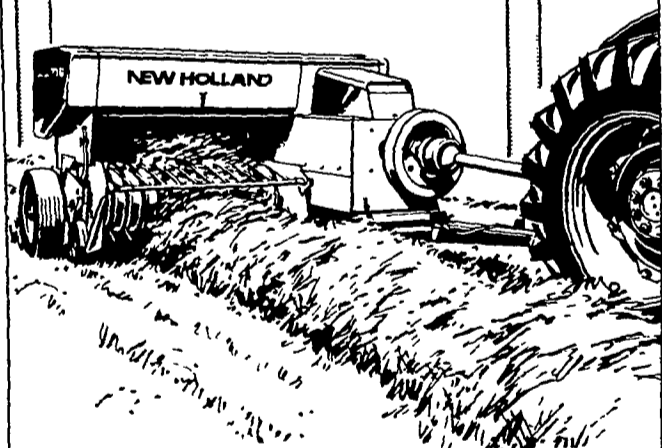
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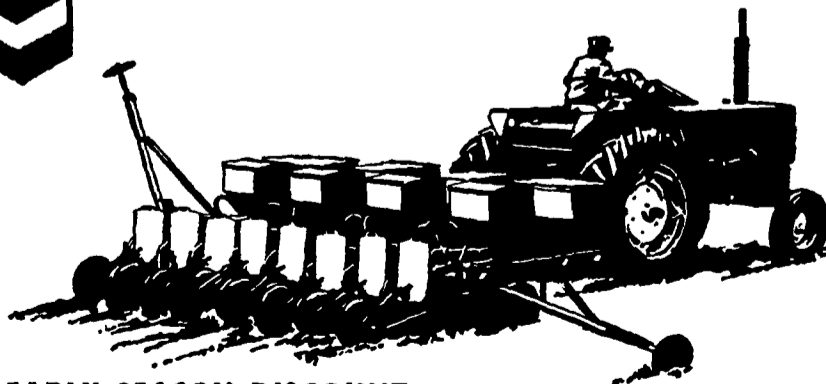
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