

Forage Hybrids, Grasses Lower In Prussic Acid

Sudangrass-sorghum hybrids, the farmer's best summer annual crops for rotational pasture and green feeding, can be high-yielding and relatively free of dangerous levels of prussic acid, farmers and crop specialists heard recently during the fifth annual Grassland Conference at The Pennsylvania State University.

Experiments with various sudangrass-sorghum hybrids in 1964 found that Suchow 34, for example, produced excellent yields of about four and three-quarter tons of dry matter per acre with fairly low levels of prussic acid. This was reported by Joseph D. Harrington, of the department of agronomy at Penn State who said farmers are aware of the potential danger of prussic acid poisoning.

While Piper sudangrass had much less prussic acid than any of the hybrids, yields of Piper were considerably lower than the sudangrass hybrids. Dr. Harrington pointed out. His experiments have found that drought increases the prussic acid content of the hybrids. He said these forages should not be pastured or used for green chop until the plants are 30 inches or more in height. Stunted sudangrass should not be used under prolonged drought conditions.

Lawrence F. Marriott, researcher in soil technology, said perennial grasses have the ability to survive and grow under conditions that would kill alfalfa. As proof, he said

much hilly land would be nearly bare if all grasses were to disappear suddenly.

While alfalfa is queen of the forages, grasses will tolerate acid soil conditions which alfalfa will not tolerate, Dr. Marriott stated. He said he was not recommending acid soil farming but was pointing out that Pennsylvania has a lot of acid soil.

Dunne Joins Federal Animal Research Team

Howard W. Dunne, professor of veterinary science at The Pennsylvania State University, has been assigned to a new task force on livestock research of the state Agricultural Experiment Stations and the U.S. Department of Agriculture.

The task force was organized at the request of the Senate appropriations committee. The objective, says Dr. Dunne, is to study and report on meat animal research, underway and proposed, by the state Agricultural Experiment Stations and the Department of Agriculture.

The task force report will emphasize the economic value

of livestock research, the nature of research and the facilities needed, and potential value of new knowledge gained from research.

As a phase of the task force project, directors of land-grant Agricultural Experiment Stations in the Northeast met recently in New York City to discuss their current and projected livestock research programs.

Chairman of the New York meeting was Alex Black, Associate Director of the Station at Penn State. Attending as resource persons, in addition to Dr. Dunne, were Macklin E. John, head of the Department of Agricultural Economics and Rural Sociology; Donald V. Josephson, head of the Department of Dairy Science; A. J. G. Maw, head of the Department of Poultry Science, and Russell C. Miller, head of the Department of Animal Industry and Nutrition.

The overall task force includes 9 scientists from the state Agricultural Experiment Station staffs, 9 scientists from the staff of the Cooperative State Research Service in the U.S.D.A., and 15 scientists representing U.S.D.A. divisions doing livestock research.

SAVE MONEY

with

Reists Seeds

A Big Selection of

ALFALFAS CLOVERS

Freshly Inoculated (at no extra charge)

VOLKMAN

HYBRID SUDAN — SORGHUM

For fast growing silage — green chopping pasture

REIST SEED COMPANY

Mount Joy, Pa.

Phone: 653-3821

TELEPHONE 854-7867

D. E. Horn & Company, Inc.

MANUFACTURERS OF POULTRY AND ANIMAL FEEDS

YORK, PENNSYLVANIA



January 2, 1965

To All Of Our Many Lancaster County Customers and Friends:

Thank you for giving us the opportunity of doing business with you and for the fine cooperation you extended to our company this past year.

As we start a New Year, it is usually customary to look back over the past year and see what we have accomplished. As we did this, we found that more HORNCO feed was used, by far, than ever before in our company's history. For this we can thank only you, our many fine customers. It is indeed a pleasure to do business with the people of Lancaster County. A finer group of business-minded farm people I am sure could not be found anywhere else in the country.

During the coming year our company will be doing everything in our power to make HORNCO Feed and HORNCO Services even better than they were in 1964.

We are indeed looking forward to another year of pleasant business relations.

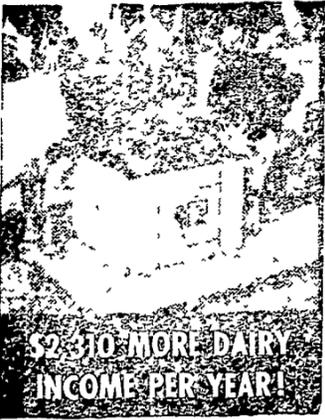
Yours truly,

D. E. HORN AND COMPANY, INC.

E. O. Horn, Sr.

President

Ritchie Dealer For Hogs And Beef Cattle



New "Thrifty Ritchie" Livestock Book Shows How

Extra dairy profits of \$2,310 with 30 cows? Yes, it's not only possible—but is being done every year on many modern dairy farms, where Thrifty Ritchie Waterers have replaced an outmoded, unsanitary water source. Nowhere is a fresh, clean, germ free water supply more important than in dairying. Ritchie's new colorful livestock book proves that milkers will drink as often as 10 times a day if they get water when they want it and how they like it. "Thrifty Ritchie" Waterers work 24 hours a day—automatically. No winter freeze ups... no ice chopping... no sun-drenched, stagnant water supply. Remember, water is your cheapest feed! Give your animals temperature regulated fresh water the way they like it—cool in summer and ice-free, pipeline temperature in the winter—from quality Ritchie Waterers. Your choice of 72 different waterers in 22 models. Our exclusive business since 1921.

FREE... Colorful New 16 page livestock book
Just off the press. Valuable and profitable reading for every livestock man. Come in and ask for your FREE copy.

Wilson M. Scott

R. D. 1, Willow St.
Ph. 394-6374

"Service makes the Difference"