

Penn State Scientists Study Ways to Improve Livestock Output

Scientists at Pennsylvania State University are developing ways to increase and improve livestock production without polluting the environment.

The approach is to re-cycle animal wastes as livestock feed, according to Dr. B. R. Baumgardt, head of the Department of Animal Science.

Both animal wastes and most horticultural wastes can be safely and effectively fed to cattle and sheep, Dr. Baumgardt stated recently at an open house held by Harvestore in Dillsburg. Dried poultry waste can be recycled through cattle and sheep—or can be used as a source of protein replacement, he added.

Waste paper and wood by-products, while not high in nutritive value, can be used as roughage in rations for cattle and sheep. In some cases, animal wastes are being re-cycled directly to give the animal's digestive enzymes a "second crack" at nutrients they missed the first time around.

Research will be continued to develop improved techniques of waste management, which Dr. Baumgardt termed a major challenge facing animal agriculture.

August N.Y.-N.J. Milk Price Is \$6.27

A uniform farm price of \$6.27 per hundredweight (46 5 quarts) will be paid dairy farmers for August milk deliveries to pool handlers in the New York-New Jersey milkshed, A. J. Pollard, market administrator has announced.

They got \$5.92 in July and \$6.15 in August 1970.

The butterfat differential was set at eight cents for each tenth of a pound of fat above or below 3.5 per cent.

Dr. Pollard reported that receipts from producers were up 9,572,013 pounds to 831,497,862 pounds compared with the same month last year. Sales of fluid milk products (Class I), for which handlers paid \$7.17 per hundredweight, fell 3,092,250 pounds to 417,374,700 pounds and made up 50.2 per cent of the pool.

There was a decrease of 1,285 to 25,107 in the number of dairymen in the pool, he said, but average daily deliveries per producer increased 63 pounds to 1,068 pounds.

The number of dairy farmers with bulk tanks, however, rose 1,458 to 18,383. Receipts from tank producers increased 59,426,518 pounds to 700,340,742 pounds, or from 78 to 84.2 per cent of the pool.

A total of 368,767,248 pounds of tank milk—52.7 per cent of tank receipts—was used as Class II and subject to the transportation credit, which amounted to \$368,767.29.

August's pool was based on reports from 136 handlers, a figure not comparable with last year, the administrator explained. The number of bulk tank units dropped by 18 to 217.

The farm value of pool receipts totaled \$52,388,383.73, Dr. Pollard said. This includes all differentials paid under the orders.

All prices quoted are for milk of 3.5 per cent butterfat received in the 201-210 mile zone from New York City.

Measure Annual Tree Growth

Check annual growth of your trees to determine how well you are caring for them, says Craig S. Oliver, Extension Ornamental horticulturist at The Pennsylvania State University. With adequate water, fertilizer and root growth, younger trees should show from 9 to 12 inches of new twig growth a year. Mature trees will produce from 6 to 9 inches of new growth annually. If your trees are making average or better growth, you're doing a good job.

As of now, aerobically digested soft garbage from municipal sewage treatment plants is being studied as a potential animal feed source.

A second challenge facing animal agriculture, he said, will be to devise complete systems for an expanded livestock feedlot industry. This should include systems to handle re-cycling of horticultural and animal wastes as well as methods to utilize conventional forage and grain crops in varying rations. Improved waste disposal systems for feedlots will likewise be needed.

Developing systems for producing more local feeder

animals is a third challenge, he pointed out. In all probability, there will continue to be an 8 to 10 dollar trucking cost per animal from midwestern feed lots to eastern packers. A proportionate charge exists for shipping carcasses. Such shipping costs should serve as a stimulus for producing more feeder calves in Pennsylvania, Dr. Baumgardt suggested.

A fourth challenge, he observed, is to evolve more readily available financing systems tailored to animal production. He urged bankers and similar persons to learn more about the profit potential for animal agriculture.

Public Auction

50 HEAD REGISTERED & GRADE HOLSTEIN DAIRY CATTLE

Sale to be held in the dairy barn arena at the Aberdeen Sales Co. in Churchville, Harford Co., Md., located on Md. Rt. 22, 6 mi. east of Bel Air, Md., (via R.S. Rt. 1) and 6 mi. west of Aberdeen, Md., (via U.S. Rt. 40 or I-95) on

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FLASHY WENDY — 5 yr 366 da. 19,550 - 577, 3.0%, Fresh Recently

HECTOR SPARTA — 2 yr. 365 da. 17,496 - 648, 3.7%, Due Nov. 1971

PARAMOUNT SUSANNA — 3 yr. 312 da. 15,105 - 549, 3.6%, Due Feb. 1972

BELLE BOY MAMIE — 3 yr. 345 da., 18,945 - 698, 3.68%, Fresh Recently

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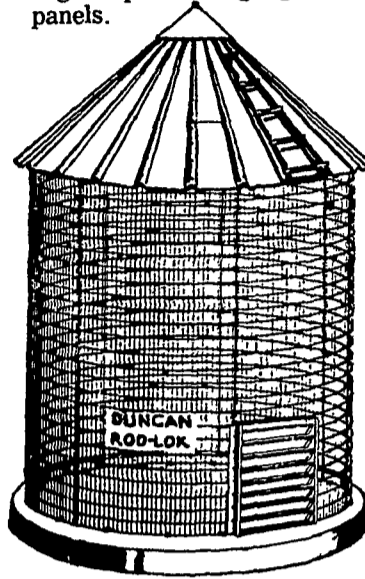
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