

Spring arrivals

What's new in farm machinery - equipment

Silage Additive

A new innovation in silage production promises to reduce waste and improve nutrition. It is called SilaGain and is distributed in Penna. and Ohio by Agriaid, Inc.

Silage, by way of definition, is a fermentation process which converts carbohydrates to fatty acids. The acids involved are lactic, acetic, and propionic. These acids convert to energy which, in turn, converts to meat and milk in the ruminant animal.

And here is where silaGain comes into play.

An Oregon company, NuLabs, has developed a means of packaging bacteria which greatly promote the development of lactic, acetic, and propionic acids.

Silage additives are not new. Urea, molasses, salt, or other ingredients are often added to silage to act as a preservative. None of these, however, will control the fermentation process.

The elements that come into play in fermentations are enzymes, antioxidants, and bacteria. Beneficial enzymes may contribute benefits but do so only in large quantities; they do not grow nor will they lead to the production of the right acids.

Antioxidants, as the name implies, work to reduce the oxygen level in silage which causes spoilage.

SilaGain implants billions of microorganisms into the silage. Each one reproduces to several hundred times its own weight.

These organisms: produce the acids; generate enzymes which break down woody plant fibers to a softer, sponge-like consistency; reduce pH to gently curdle

proteins in the juices; reduce spoilage and heat; and reduce the nitrate content in the silage.

SilaGain bolsters the already-nutritious content of good silage, yielding a high-energy feedstuff at a marked savings when compared to the older formula or high-grain cattle diets.

Another significant advancement with the introduction of silaGain is in the area of food by-products.

SilaGain is being used to ferment and preserve the waste products from sugar beets, watermelons, and other plant foods. Spoilage prevented their use for other than short-term feeding. With the introduction of SilaGain, this is no longer true.

From all this, slaughter cattle continue to mature to levels of grade choice and dairy cows - due to the increase in acetic acid content of the silage - have improved butterfat production.

If, as the World Council says, the American method of grain-feeding its livestock is nearing an end, it is apparent that silage is an old idea whose time has come - again.

NEW PASTURE MIXTURES

The Stanford Seed Company of Buffalo (N.Y.) and Plymouth Meeting (Pa.) has formulated five new pasture mixtures which are pre-blended to meet various usage and soil requirements. Two of the mixtures are for use by those owners who grow their own pasture or hay, and three are for general livestock producers.

High-protein Tetraploid ryegrass and rapid growing

Troy Kentucky bluegrass are used in all except one of these mixtures.

The horse pasture mixtures are being sold under the names Triple Crown, a premium blend for use by professional horse breeders and owners; and Hobby Horse, developed for use by those with pleasure horses.

The pasture mixtures for general livestock are Highland, for use on well-drained soil; Lowland, a mixture of grasses and legumes for moderately drained soils; and General (five-star), a low cost all-purpose forage mixture that is widely adapted.

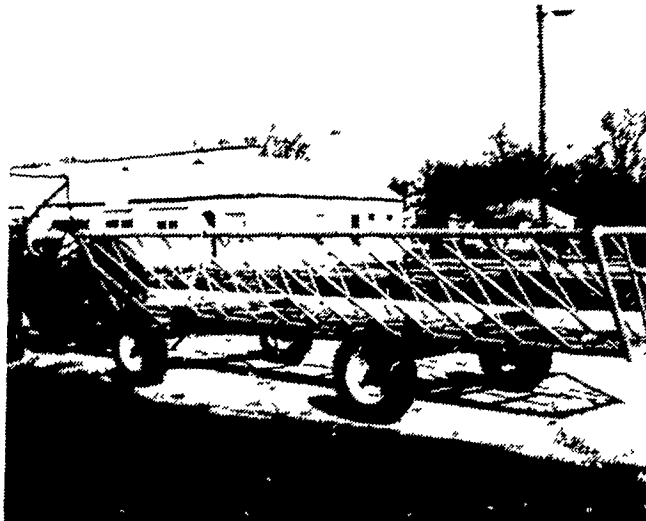
Stanford has published a fact sheet containing a complete description and up-to-date planting and management information about its new pasture mixtures. It is available at no cost by writing the Stanford Seed Company, P. O. Box 366, Buffalo, New York 14240.

The new pasture mixtures are available through Stanford dealers in the northeast and Mid-Atlantic region.

Watch For Flying Missiles

Unless secured by a seat belt or harness, on impact most people in car accidents continue to travel at the same speed as the car was going. And children become flying missiles, often being thrown into the windshield.

Infants and small children under four should use specially designed, dynamically tested (under simulated crash conditions), child restraint systems. A child over 43 pounds can and should use an adult seat belt.



New Products Introduced

Three new products have been introduced by the Tomsick Manufacturing Company of Ithaca, Nebraska.

A bale carrier of 2½ inch pipe for 1,500 pound bales. Fits 3 point hitch and can haul small stacks of hay, feed bunks, etc. They sell for \$139.94.

Feeder for 4 1,500 pound bales that sets in bolster so that it is low enough to feed calves. Consist of 2 inch pipe

frame with 1 inch pipe slant bars, no light tubing. They are complete with floor, no gear, 20 feet for \$275.00. Six ton gears available with new tubes and used tires \$253.00. Also a mist blower with 8 horse power gas engine to use in back of pickup for control of weeds and insects, etc. Also has 3 point so will fit on tractor. Blows mist 75 feet either direction.

For information write - Tomsick Manufacturing Co., 1419 Adams Blvd., Ithaca, Nebraska 68033.

Swine Worming Guide

A new, easy-to-use guide to programmed swine worming has been prepared by American Cyanamid Company.

The guide, in the shape of a wheel, shows a practical program to follow in controlling internal swine parasites with "Tramisol" dewormer.

The outside ring of the wheel indicates four times to worm during the year, pre-breeding, pre-farrowing, after weaning, and finishing. The inside part of the wheel provides reasons to worm and suggests a time period in which to accomplish the job.

The programmed approach to worming with Tramisol eliminates roundworms, nodular worms, intestinal threadworms and lungworms, the major internal parasites in swine. By following the information contained on the wheel, the swine producer can economically maximize the efficiency of his swine operation.

Order 2 price announced

NEW YORK - A uniform farm price of \$9.65 per hundredweight (46.5 quarts) for March milk deliveries to pool handlers under the New York-New Jersey marketing orders was announced this week by Thomas A. Wilson, market administrator. The uniform price was \$9.80 in February 1976 and \$7.74 in March 1975.

The butterfat differential was 9.9 cents for each tenth of a pound of fat above or below 3.5 percent.

Receipts from dairy producers totaled 838,733,417 pounds, 0.1 percent or 565,647 pounds less than in March 1975, Wilson reported. Handlers utilized 413,448,497 pounds of these receipts or 49.3 percent for fluid milk products (Class I). In March

1975 the Class I utilization percentage was 49.1. For March 1976, handlers paid \$11.30 for Class I milk compared with \$9.25 a year ago.

Wilson stated that receipts on bulk tank units were 810,699,345 pounds, up 7,218,880 pounds. He added that this was 96.7 percent of the pool, compared to 95.7 percent a year ago.

A total of 418,726,355 pounds, or 51.7 percent, of tank milk was used as Class II and was subject to the transportation credit which amounted to \$418,726.40.

Producers with tank milk numbered 18,104, a decrease of 3.8 percent. The administrator said that the total number of producers in the pool was 19,365, a loss of

5.9 percent. Average daily deliveries per producer rose 82 pounds to 1,397 pounds.

Pool bulk tank units decreased 24 to 186. Reports from 117 handlers were used to compute the pool, 3 more than in March 1975. There were 107 handlers with producer milk, a loss of 1.

The gross value to dairy farmers for March deliveries was \$82,154,915.57. Wilson explained that this included differentials required to be paid to dairy farmers but not voluntary premiums or deductions authorized by the farmer.

All prices quoted are for milk at 3.5 percent butterfat received within the 201-210 mile zone from New York City.

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Tom Graydus, a sophomore at O. J. Roberts High School, has built a nature trail for visitors to view during the weekends and summer days. The student is quite involved with ecology and nature habitats