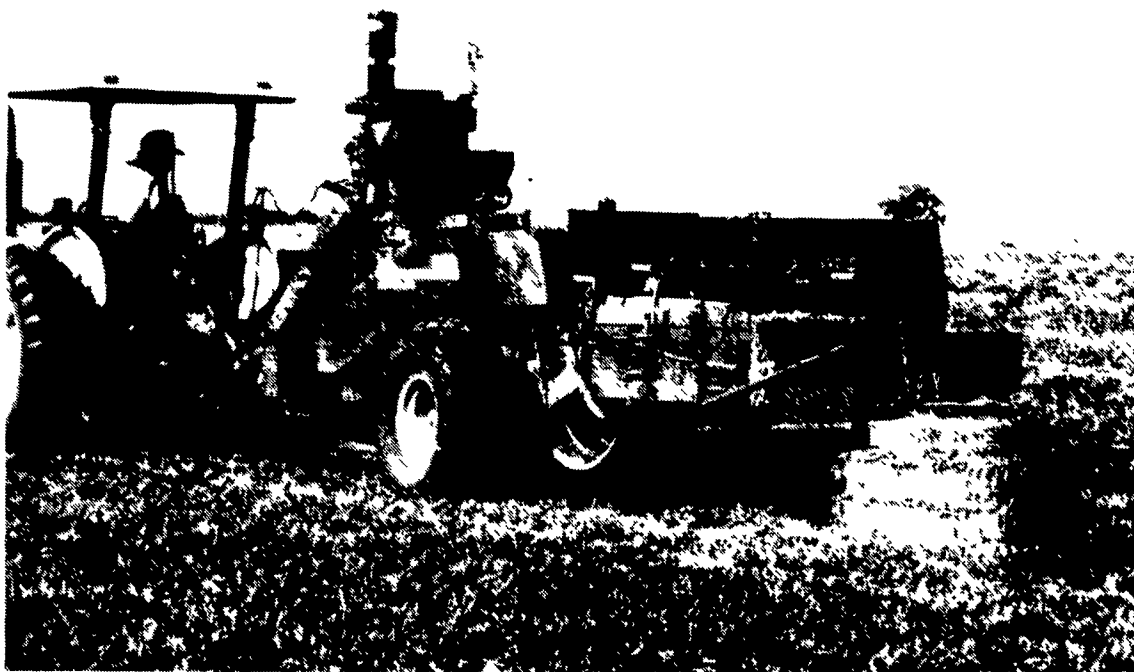




Business News



The heavy-duty, 16 x 23 3-tie Model 515 Ford New Holland baler is customer-designed, according to Product Manager Jim Payton. "Engineering response to customer suggestions make the '515' our most reliable, large capacity, 3-tie baler in 50 years," he said.

3-Tie Baler Upgraded

NEW HOLLAND (Lancaster Co.) — The new heavy-duty, high-density New Holland Model 515 3-tie baler from Ford New Holland is customer designed according to Ford New Holland Product Manager Jim Payton.

"Our design and service engineers carefully followed up with users of the previous Model 505 to discover what improvements might make a superior baler even better," said Payton. This continuing follow-up gave us a list of

more than two dozen items. In some cases it was only improving the quality of a bolt. Other changes were much more substantial."

Payton said, The customer requests that generated the new Model 515 "helped us improve durability and reliability, improve feeding in light crops, reduce trash and build-up in the knoter area," he said. "We also added an optional size reduction kit."

Payton explained that, in some

markets, hay is sold by the bale, not by weight. Custom operators in those areas requested a size reduction. For them, a bale case kit to reduce bale chamber size from 16x23" to 15x23" has been added as an option for the new Model 515.

Other "515" design changes include adding tines to the feeder assembly, beefing up tongue and chassis construction, an optional flat face plunger to improve bale and appearance in straw, improved motor mounts, and improvements in twine finger and knoter assemblies. Adjustable Hydroformatic bale tension drive clutch, ball hitch, tongue latch, and twine box design have also been updated.

"The result is a heavy-duty 3-tie baler for irrigated area commercial hay producers that has substantially improved reliability with large capacity," he said. "Model 515 bales are dense, square-shouldered units that handle, stack, and ship better. It came about because we're continuing our 50-year tradition of two-way customer communication and support."

Names Area Manager

CONESTOGA (Lancaster Co.) — Agri-King recently named Jerry Hershey area manager of northwestern Lancaster County.

Hershey has several years of experience in the livestock and sales and service field, having been a self-employed dairy farmer for four years and sales and service representative for the past 16 years. He was previously employed with Vicon Farm Machinery in Memphis, Tenn.

Agri-King tests feedstuffs and formulates rations for livestock producers in 27 states. The 24-year-old livestock nutrition company serves customers from Nebraska to New York. Agri-King's home office is located in Fulton, Ill.

Coulter Has Nonplugging Coil Tine Applicator

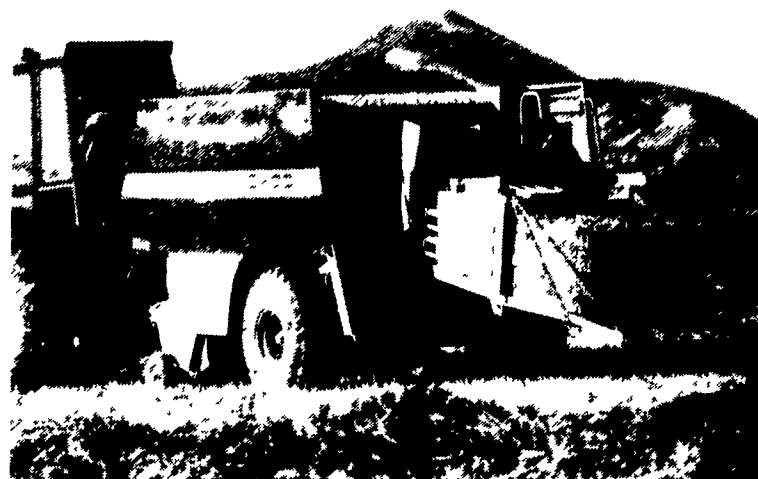


ASSARIA, Kan. — Ausherman GP, a division of Great Plains Manufacturing, announces its new Vantage I 17-inch coil tine fertilizer coulters.

This new fertilizer coulters is designed for use with liquid fertilizer. It's equipped with a non-plugging coil tine applicator with a stainless steel nozzle assembly for low pressure fertilizer injection.

The time and nozzle are positioned to inject fertilizer into the bottom of the trench before the soil can fill back in. Ausherman's coil tine fertilizer coulters is designed to run in no-till, minimum till, or conventional conditions and will fit on most planters and tool bars.

For more information, contact John Martin, Ausherman GP, P.O. Box 218, Assaria, KS 67416, (913) 667-4755.



The new Ford New Holland Model D 800 square baler produces 2 x 3 x 8-foot bales for large acreage growers and ranchers. Bale size allows more economical use of truck capacity within Interstate highway load height limits. D 800 bales are 15 percent denser than smaller section bales.

Bale Chamber Ties With 4 Knotters

NEW HOLLAND (Lancaster Co.) — The new New Holland Model D 800 with 2 x 3-foot bale chamber ties with four knotters and turns out bales up to eight feet long. The new baler is designed for large acreage producers and ranchers who handle hay mechanically for local or long-distance shipping.

"The 2 x 3 x 8 bale size lets shippers make fullest use of load

capacity within interstate truck height restrictions," said Product Manager Jim Payton. "Bale size of the new Model D 800 is the same as that of the more deluxe D 1000 equipped with Bale Command and automatic bale density control."

The "D 800" has manually adjusted hydraulic bale density control. Knotters are zerklubricated and a two-stroke feeder fills the bale case.

"As a result, the "D 800" is a more economical purchase," said Payton.

Extensive field testing shows the "D 800" performs well in North American conditions where large high-density hay and straw bales are preferred for mechanical handling, shipping, and processing.

The "D 800" will help Dakota, Colorado, and Nebraska alfalfa producers supply large Texas or Florida and Georgia dairies with leafy, high-quality feed at a more economical transport cost, according to Payton. At the dairy, the 2x3' bales are easily processed through tub grinders for inclusion in the total mixed rations that are standard practice where large herds are expected to average more than 20,000 pounds of milk per cow.



Jerry Hershey

Corn That's Borer-Proof? Maybe

LINCOLN, Neb. — It's a corn grower's dream, a corn plant that produces its own corn borer killing toxin. NC+ Hybrids and Crop Genetics International are attempting to make the dream come true.

For the past five years, NC+ and Crop Genetics have conducted joint field tests of seed corn vaccinated with the bioinsecticide InCide. InCide is a genetically altered microorganism which produces a substance toxic to European corn borer. The corn borer insect destroys an estimated 200 million bushels of corn each year.)

Lonnie Hester, NC+ Hybrids corn research manager, reports some progress with the research project, but said it's still unclear when planting seed corn treated with InCide will be effective and economical for control of corn borers.

Hester said corn plants containing the InCide gene are less susceptible to corn borer damage, but researchers have found reduced yields in some hybrids vaccinated with the gene.

"So far the gene hasn't lowered corn borer numbers enough to make up for the reductions in yield," Hester said.

"The joint field tests will continue in 1992," Hester said. "The theory is good, but there's lots of

research to be done before anything will be available commercially."

Jim Davis, research director at Crop Genetics International, based in Hanover, Md., said he is still excited about the concept.

"In 1991 field tests, we saw corn borer damage reduced by up to 72 percent in some varieties," Davis said. "Our goal is to develop a product that consistently reduces corn borer damage by 60 to 90 percent in a wide range of commercial corn varieties."

This year the researchers will test different endophytes, or carriers for InCide, Davis said. They will try to achieve a higher level of insect control and improve yields as well.

"We're making considerable progress," Davis said. "However, we have a lot more work to do."

NC+ Hybrids President Gary Duncan said that whether or not the InCide project is successful, NC+'s participation is positive.

NC+ provides the land, seed and labor for the tests, which are conducted at the NC+ Research Center near Hastings, Neb. Crop Genetics International provides the bioinsecticide, InCide, which they developed and are patenting. Twenty different NC+ corn hybrids have been field tested with InCide.