



BUSINESS NEWS...

Ag Engineers Cite Case IH

ST. JOSEPH, Mich. — The CASE IH Company of Racine has been recognized for contributing to outstanding innovation in product or systems technology during 1985-86. The Company's "Airflow conveyor & cotton picker dump basket" and "Tractor/implement link to measure true acreage" were named to the "Agricultural Engineering 50 Salute" section within the June issue of *Agricultural Engineering*.

Virtually all companies making products for food and agriculture are eligible to submit nominations for the honor. Winning products and systems are recognized as "developments that embody the application of new technology or the innovative application of an older technology."

A panel of engineering experts reviewed hundreds of product nominations. The panel selected only those considered most likely to make worthwhile contributions to the advancement of engineering in agriculture.

The products and systems

selected for "The AE 50" play an important part as significant developments in the production, processing, research, storage, packaging and transportation of agricultural and food products. They contribute to more cost effective production, added product value and improved quality for consumers.

"The AE 50" innovative developments are chosen by *Agricultural Engineering*, the magazine which reports on engineering trends, technologies and applications in global agriculture. The magazine is published by the American Society of Agricultural Engineers.

ASAE is a professional and technical organization of members worldwide interested in engineering knowledge and technology for agriculture, associated industries, and related resources. Headquartered in St. Joseph, Michigan, the Society's membership includes 12,000 members in 50 states and over 100 countries.

Coulters Provide Precise Placement Of Liquid Fertilizer

PEORIA, Ill. — Yetter Liquid Fertilizer Coulters are designed for applying fertilizer in no-till, min-till or conventional operations. They work especially well in trash-filled fields because the 17-inch ripple-bladed coulters slices trash to clear a path for the close-following injection knife.

Corrosion resistant stainless steel tubing formed at the end into a flat rectangle, 3/4-inch in width, is shaped to match coulters width and cut a clean, narrow slot. The soil is left virtually intact to prevent wind and water erosion, while placing the fertilizer anywhere from 2 1/2 to 5 inches in depth alongside and below the root zone where it can be taken up by growing seedlings with maximum efficiency.

Heavy-duty 1 1/2-inch spindles are equipped with sealed tapered roller bearings for long, durable service, and all parts are fully greasable. Spring deflection is 5.5 inches and adjustable for down-pressures up to 900 pounds. The narrow alloy steel knives are exceptionally resistant to abrasion



Yetter's ripple-blade coulters work especially well in fields with heavy surface debris.

and can be adjusted for wear.

These units come with a versatile bracket for mounting on JD, Kinze, IH, Case IH, White, New Idea and Allis-Chalmers pull type

and 3-point hitch planters, grain drills and row crop cultivators.

For information contact Yetter Mfg. Co., Inc., Clochester, IL 62326-0358, phone 800/447-5777.

Nutrition Can Reduce Lactation Stress

PARADISE — Most dairy cows reach peak production six to eight weeks after freshening. But, nutritional deficiencies during this time could hinder milk production and prevent a cow from reaching peak production by as much as a pound per day, according to John Hess of John J. Hess II Inc. in Paradise.

"Even though a cow's milk production peaks by week five or six, she won't be able to maximize dry matter intake until the 13th or 15th week following freshening," Hess says. "This creates a nutritional imbalance that can drastically lower the lactation curve, possibly causing metabolic or reproductive problems later on."

A decrease in just one pound of milk production at peak could translate into a loss of 200 pounds of milk by the end of the lactation cycle, he says. "For example, if a cow's peak production drops from

66 to 65 pounds per day because of nutritional deficiencies, the producer will lose 200 pounds of milk over the entire lactation period. At \$11.50 per hundredweight, this translates into a profit drain of \$23 per cow," Hess adds.

The lack of balanced nutrients also may cause excessive weight loss, he notes. "If proper nutrition isn't provided during this crucial period, the cow could be more susceptible to ketosis or milk fever," he says.

To offset these nutritional deficiencies and to minimize lactation stress, the dealer producers feed a highly palatable ration that has the correct protein and nutrient levels to meet production goals.

"Purina's High Octane Top Feed 37 is a highly palatable top-dressed concentrate that can help reduce weight loss and maintain peak milk production," he says. "In

fact, recent feeding trials showed an average daily consumption of 9.3 pounds per day, compared to only 5.1 for another top-dressed concentrate."

Results like these can not only improve the cow's production, but can also increase her productive lifetime, he says. "If lactation stress is reduced, the cow will be in better condition for rebreeding, run less risk of encouraging metabolic-related diseases, and continue to be healthy for years to come."

Bulls Enter Select Sires Program

PLAIN CITY, Ohio — 7H3097 Russelldale Enchant Storm-ET and 7H3104 Pen-Col Lingo-ET, two young sires have been chosen to enter Select Sires' Program for Genetic Advancement (PGA) Sire Sampling system. Based on their outstanding pedigrees these young sires have been selected as two of 130 Holstein bulls from throughout the United States to enter the program in 1986.

7H3097 Russelldale Enchant Storm-ET was bred by Ray E. Bicksler, Richland, Pennsylvania. He is sired by Enchantment. The dam, Russelldale Pete Precious, is a Very Good (87) Pete daughter with a July 1986 cow index of +1164M +50F +\$151. She has several outstanding records up to 3-5 365d 24,060M 4.4% 1,058F. The grandam is an Excellent (90) Chief with 24,100M 4.5% 1,066F as a five-

year-old and over 141,000M 5,700F lifetime.

7H3104 Pen-Col Lingo-ET was bred by Dennis Wolff, Millville, Pennsylvania. He is sired by Tradition, a popular high TPI, udder improving Elevation son. The dam, Jander Cinnamon Lucy Lilaç, is a Very Good (87) Cinnamon daughter with a January 1986 cow index of +951M +42F +\$126.

Hamilton Bank Ag Appreciation Day



Senior vice president Merritt Marks (left) and Richland office marketing manager Bob Koch admire a collection of antique pedal tractors on display at Hamilton Bank's Ag Appreciation Day on Tuesday. Held at Wengers Farm Machinery, Inc., Lebanon, the event was conceived as a thank-you to the bank's Lebanon County customers. About 175 area farmers attended the chicken barbecue and enjoyed Lloyd Wenger's extensive collection of antique tractors. One of southeastern Pennsylvania's major agricultural lenders, Hamilton Bank services about 900 clients with approximately \$60 million in outstanding loans.

Seed Corn Protectant Approved For Suppressing Corn Maggot

BUFFALO, N.Y. — Borderland Products has announced that its Borderland Black seed corn protectant is now cleared for use in suppressing the seed corn maggot.

Borderland Black is already widely used by corn growers to protect their seed corn, at planting, from crows and other seed eating birds and as an efficient lubricant that helps reduce planter skips.

With addition of seed corn maggot suppression to the label, growers now have three reasons to utilize this convenient planter-box treatment in their 1987 plantings.

Borderland Black is packaged in 8-ounce cartons, each containing

sufficient product to protect one bushel of seed corn following of label directions.

According to Borderland vice-president Arthur C. Reimherr, in 1986, growers used sufficient Borderland Black to protect a swath of corn 500 feet wide and nearly seven thousand miles long.

"We are delighted with grower response", says Reimherr, "and appreciate the many comments we have received from well-satisfied farm customers."

Borderland Black is available through seed companies and farm supply stores in most regions of the country. For information write Borderland Products, P.O. Box 1005, Buffalo, NY 14240.

Tensar Introduces Bird Barrier

MORROW, Ga. — The Tensar Corporation announces the introduction of Tensar Bird Barrier for use in poultry and livestock confinement operations.

Technologically superior to plastic netting or wire, Tensar Bird Barrier is a tough grid product with a tensile strength of 960 pounds per foot lengthwise and 1,640 pounds per foot across its width. There's no rust or sharp wires and it's safe for livestock and poultry.

The high strength, oriented plastic product can be used in poultry pens, hog houses, dairy stalls or weaning-off pens — anywhere ventilation or protection against bird contamination is needed.

"Tensar Bird Barrier is a better value than PVC-coated wire," says Mark Hurlbut, agricultural product manager. "It's rust-free,

non-corroding and sunlight resistant; and it is made with impact-resistant polymers that retain strength even in very low temperatures. It also is easy to handle and install, weighing just 38 pounds per four-foot by 150-foot roll, and is quick to clean."

The Tensar Corporation guarantees the product for 10 years from performance failure due to sunlight, humidity, ammonia or uric acid.

Tensar manufactures fencing, shading, soil stabilization and windbreak products in the USA, with distribution throughout North America for agricultural, construction and civil engineering applications. For more information, contact Mark Hurlbut, agricultural product manager, The Tensar Corporation, 1210 Citizens Parkway, Morrow, GA 30260, or call 1-800-845-4453.