

DAIRY NEWS

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milk and fat. PTA has replaced the Predicted Difference (PD) values that we were accustomed to with the previous sire evaluation procedure. Percentile rankings for sires are published by several major dairy magazines and by the breed journals. The change in the way sires are ranked will influence decisions made by AI units and by dairymen.

In the most recent turn of events, interest in the solids-no-fat (SNF) and the total solids (TS) portions of milk has emerged. The

non-fat solids in milk are made up of protein and lactose plus the ash content. Total solids also includes the milkfat content. While protein content influences cheese yield, SNF content has an important bearing on the yield of all manufactured dairy products, not just cheese. This has created interest among dairy farmer organizations to have milk priced on its SNF or TS content. If this should happen, there will be cause for concern in the breeding industry. Most dairy records processing centers test only for fat and protein. They do not provide SNF or TS values on

individual cows or herds because there is no testing equipment which will provide direct values for these components. Two years ago, the USDA discontinued evaluating cows and sires for SNF because only a few of the lactation records they received contained SNF data.

How do we help dairymen who want to know which bulls to use to

improve SNF or TS production in their herds? For the present, the best course of action would be to monitor the protein values on their cows and to select sires based on PTA protein dollars. This will select for the most profitable combination of milk, butterfat and protein. Secondly, sires with very low protein tests, for example, those with a PTA protein percentage of minus 0.10 or more can be avoid-

ed. Dairy records processing centers do not have a direct and quick test for SNF or TS and USDA does not have the necessary genetic evaluation procedures. For the present, breeding programs need to be directed towards improving the protein content of milk by selecting sires on Predicted Transmitting Ability for Protein Dollars.

Hamilton Equipment Is Athens Distributor



Hamilton Equipment in Ephrata, Pennsylvania is an Athens Company wholesale distributor for the mid-Atlantic states. Athens Plow manufactures tandem disc harrows, offset disc harrows, double-offset disc harrows, and lift-type disc harrows in sizes from 5 feet to 24 feet. Chisel plows are also available in sizes from 5 feet to 16 feet.

Case IH Service Specialist Graduates

RACINE, WI — Walter Martin, service specialist at Binkley & Hurst Bros., Inc., has just completed a 4-½ day training course at the Case IH Training Center. The course focused on new, mid-size Case IH 5100 Series MAXXUM™ tractors.

The training program included classroom and hands-on study of the MAXXUM™ transmissions, engines, hydraulic systems, hitch-

es, and electronic systems. Students received an overview of the manufacturing processes used to assure high quality in the MAXXUM™ models.

To sharpen their service and repair skills, students disassembled and reassembled components. They also practiced performing critical adjustments and learned precise testing and troubleshooting procedures.

Pioneer Recommends Alfalfa Hay Inoculant

WEST DES MOINES, Iowa — Hay producers can now use crop-specific Pioneer brand 1155 alfalfa hay inoculant on large, round bales, baled at 13-20 percent moisture.

"We have conducted extensive research on large round bales throughout the country and now are confident hay producers will benefit from using 1155 on large, round bales," said Dr. Steve Soderlund, technical services manager for Microbial Genetics.

"1155, available in water soluble and dry, granular formulations, is a non-toxic, non-corrosive bacterial hay inoculant," Soderlund said. "We have previously recommended 1155 for use on small, square bales baled at 15-25 percent moisture. That recommendation still applies."

During the time 1155 has been on the market, technical services has emphasized the importance of accurate moisture testing and proper storage of the alfalfa hay.

"Moisture testing will be especially important when 1155 is

used on large, round bales. Producers can expect the best results from the 1155 when they follow the moisture guidelines," Soderlund said.

Microbial Genetics technical service also recommends producers not stack the inoculated large, round bales until they are fully cured. Nor should the bales be covered with plastic or any other protective device until they have stabilized.

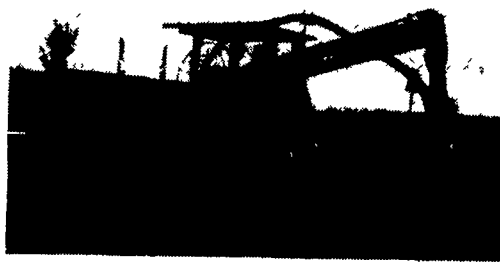
Whether producers use the water soluble 1155 on large round or small square bales, they may leave the mixed solution in the applicator tank overnight.

"They should agitate the tank and check the applicator filter screen to make certain it is clean. The 1155 solution can be used for up to three days after mixing. However, if producers detect a foul odor, the solution should be discarded," Soderlund said.

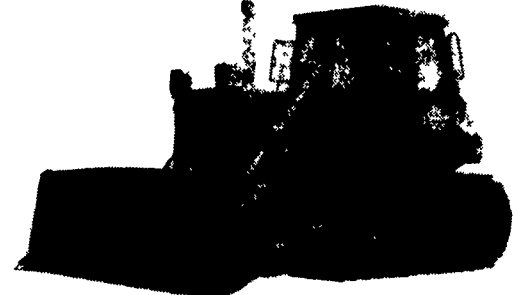
For more information, contact your local Pioneer sales representative or call Microbial Genetics Customer Service, (800) 247-6782.

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HERBICIDE INCORPORATION: Independent research using black light photography proves the Fuerst Harrow behind your disk or cultivator gives you "near perfect" incorporation in one pass—better than implements costing several times more! Shreds trash as it prepares & levels seedbeds.

BROADCASTING SMALL GRAINS AND GRASSES: University of Illinois found overseeding by broadcasting followed by a Fuerst Harrow a superior combination, out-performing equipment costing more than 10 times as much. Pulled behind the broadcaster, it covers seed to desired depth in one time-saving operation.

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