

The gleaner combines from Deutz-Allis come with a rotary harvesting system and air-cooled diesel engine. The rotary system has a rotary cylinder is mounted crosswise so that the crop flows smoothly without twisting and tangling.

## Deutz-Allis Gleaner Combines Have New Rotary Harvesting System

MILWAUKEE, WI — All Gleaner combines are now equipped with the exclusive Natural Flow rotary harvesting system and Deutz air-cooled diesel engine. Available in sizes to fit all sizes of farming operations, the combine line is now backed by a new 5-year/5,000-hour extended warranty, too.

The new all-rotary Gleaner line came in response to growing demand for new crop harvesting technology, says Tom Stadtmueller, Deutz-Allis combine marketing manager.

"Farmers today have confidence in the efficiency, superior cleaning capability and higher capacity of rotary combines," Stadtmueller says.

The Natural Flow harvesting system provides improved harvesting capacity and gentle crop handling. "Unlike competitive rotary systems, the Natural Flow rotary cylinder is mounted crosswise, so the crop flows smoothly without twisting and tangling," Stadtmueller explains.

Precision-engineered Deutz engines give Gleaner combine operators the benefits of greater reliability and performance teamed with low maintenance requirements. Combines in the new Gleaner R Series include:

- The R40, an economical machine for the mid- to large-sized farmer with a 150-bu. grain bin and 155-hp, six-cylinder Deutz engine.
- The R50, slightly larger than

the R40 with a 200-bu. bin and 190-hp, turbocharged, air-cooled six-cylinder engine.

- The R60, which offers a standard 225-bu. bin and an optional 240-bu. bin. A naturally aspirated, air-cooled V-8 engine provides 228 hp.

- The R70's 310-bu. grain bin gives it the greatest capacity of all combines. It's powered by a dual-turbocharged, air-cooled V-8 engine with 270 hp.

## Dickey-John Introduces Portable Grain-Moisture Tester

AUBURN, IL — Dickey-john has introduced the Tri-Grain™, an all-new battery-powered, portable grain moisture tester featuring calibrations based on those developed for elevator and commercial testers.

The Tri-Grain™'s easy-to-read liquid crystal display provides direct moisture readings for three grains (corn, soybeans, and wheat). Conversion charts for

most other grains are supplied with the unit.

Housed in a rugged, molded case, the Tri-Grain™ can be adjusted to agree with local elevator's moisture readings. Automatic temperature compensation and a built-in scale ensure accurate readings.

The Dickey-john Tri-Grain™ will be available for sale in late spring 1989.



This portable grain moisture tester from Dickey-john features calibrations based on those developed for elevator and commercial testers.

LANCASTER — Cindy Adams-Dunn, Pennsylvania coordinator for the Alliance for the Chesapeake Bay, a non-profit coalition of organizations working to link citizens and groups with the Bay effort, spoke at Hi-Score Plant Food Company, Inc.'s Fall Sales Meeting. She stated that fertilizer companies, in order to survive, cannot ignore the changing role of fertilizer. Farmers cannot plant with manure alone, so there will always be a need for some form of commercial fertilizer. But, the form of the fertilizer must change to reduce the pollution and toxicity of underground waters.

The federal government as well as all state governments are taking a closer look at the level of toxins in runoff waters and also airborne toxins. Many of the airborne toxins are from the aerial spraying of pesticides. Research in toxins is behind that of nutrients.

Why should farmers be concerned? The Susquehanna River provides half of all fresh water to the Bay. One might say, the Bay is really the lower end of the Susquehanna. The dumping of too many nutrients and toxins has caused a decline in the oyster harvest, created a moratorium on striped bass (rockfish) and Bay grasses have declined to almost the point of disappearing. The grasses are important as a molting place for crabs.

Too many nutrients have contributed to the excess growth of algae. As algae die, oxygen in the water is depleted. Fish cannot live without oxygen, resulting in fish kills.

Farmers contribute too many nutrients through runoff waters from the fields into streams flowing into the Susquehanna and ultimately into the Bay.

Dunn commended Hi-Score for being a manufacturer of clear liquid fertilizers using raw materials low in salts and heavy metals. As a liquid, she said, it would better stay in the root system rather than washing away. Farmers are looking for information on ways to cut down pollution; and as an expert in the field, it is Hi-Score's job to get this information to them. Homeowners, too, must be

taught how to use fertilizers and pesticides. More is not always better for their lawns and gardens. And again, a fertilizer low in salts and heavy metals would reduce nutrient and toxic runoff from homeowner properties.

Hi-Score is the manufacturer of Deere & Company's TLC, Tender Loving Care, line of lawn fertilizer as well as supplying farmers in more than 20 states.

## Bank Names Mason To Regional Advisory Board

HARRISBURG — Timothy L. Mason of Landisville, controller of R.W. Sauder, Inc., has been named to the Lancaster Region Board of Commonwealth National Bank. The announcement was made by James F. Taylor, vice president and Lancaster Region manager. R.W. Sauder, Inc., is an egg processing and distribution firm located in Warwick Township.

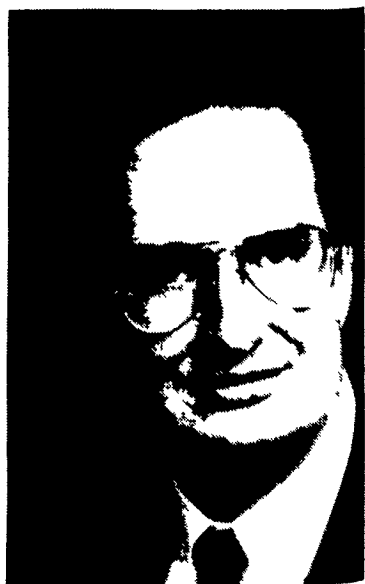
Mason was previously affiliated with the Lancaster-based Pennsylvania Castings Division of Internet Corporation as controller before joining R.W. Sauder, Inc., early this year.

Mason received a Bachelor of Science degree in accounting from Columbus (Ga.) College and also attended Auburn (Ala.) University.

He is a member of the National Association of Accountants and Hempfield United Methodist Church.

A native of Birmingham, Alabama, Mason resides in Landisville with his wife, Pamela.

Members of Commonwealth's



Tim Mason

advisory boards serve as advisors on such bank-related matters as community and business development and the quality of service at the bank's branches in the board's area. The Lancaster Region Board includes thirteen Commonwealth National Bank branch offices in Lancaster County.



With no electrical wiring necessary and easy installation, this solar-powered, automatic gate opener allows for 20 open/close cycles per day.

## Automatic Gate Opener Operated With Solar Power

SAN ANTONIO, TX — The affordable APOLLO 4000 solar powered automatic gate opener offers a unique design and proven solar technology to adapt to any swing gate. With no electric wiring necessary it's ideal for farms and ranches. The 4 watt solar panel allows for 20 open/close cycles per day on a swing gate up to 1000 lbs. and 20 feet in length.

The locking arm mechanism provides security and the garage door type remote opener provides convenience. The APOLLO 4000 comes complete and can be self-installed in a couple of hours.

For more information, contact Southwest Solar Control, P.O. Box 791763, San Antonio, TX 78279; 800-221-0178.

## Role Of Fertilizers Is Changing