



RB.156 new features include a camless pickup, a new front rotor that runs counter-clockwise, and a retractable floor bottom.

Baler Designed For Short And Dry Conditions

Farmers tasked with baling short dry straw understand the frustration caused by straw rolling around on the pickup until it eventually causes plugging.

Massey Ferguson has come to their aid with their RB.156 round baler. It makes 5 by 6-ft. bales and features an undershot heavy-duty rotor to help counteract short, dry straw issues.

"When straw is picked up in other balers, it goes over the top to be thrown into the chamber where the belts try to grab it to start a bale," says Craig Puetz, Agriterria Branch Manager. "On the RB.156, the straw is picked up and goes underneath a rotor and above a floor. Straw simply has nowhere else to go but to enter the baler. The belts can't help grabbing it from there."

The MF RB.156 also features a hydraulically controlled retractable floor. If an object like a fence post, root, or overly large clump of wet straw enters the baler, a cab alarm alerts the operator. The floor can be dropped to expel the object before pulling ahead and

continuing the baling process.

It also has a front-loading net system which easily handles heavy net rolls. It's a simple process to open the gullwing shield and swing a cradle out and down to the height of a standard pickup truck.

"You can slide a roll of mesh from the tailgate of your truck into the storage slot with one hand, then push it up to where it's loaded," Puetz says. "It's super simple."

The new balers are manufactured in Europe, with units currently sold throughout North America by Massey Ferguson dealers.

"We did a demo in Alberta with unbelievably bad swath and weather conditions," Puetz says. "We sold two balers right on the spot. They're like nothing else we've ever had."

The MF RB.156 retails for around \$125,000 CAD (\$91,250 USD).

Contact: FARM SHOW Followup, Agriterria Equipment, 90 12 Ave. SE, High River, Alberta, Canada T1V 1E6 (ph 403-336-5106; www.agriterraeq.com).

Grain Grading Device Uses Machine Vision

Most harvested grain is still visually graded with process subjectivity and sampling errors. Ground Truth Agriculture is developing technology to remove these limitations.

Their benchtop grain grading device is focused on matching high throughput to the high-volume capacities of today's machinery.

As Ground Truth's grading device is Canadian-made, the company's focus is to use machine vision to first assess the visual characteristics of Canadian hard red spring wheat. An internal imaging chamber can be adjusted based on the grain and kernel size.

Canada's guide outlines over 50 characteristics to be evaluated for quality including frost, maturity, mildewed kernels, and insect damage. Machine vision makes this possible.

"For our device to be successful, it needs to be comprehensive in all these characteristics," says Divyesh Patel, COO. "It needs to fit seamlessly into an operation. That's the only way we feel comfortable providing a grade, as otherwise it's strictly informational."

The device is also equipped with near-infrared spectroscopy to measure protein, moisture, wet gluten, and other non-visual characteristics.

The benchtop grading unit is pre-commercial with pilot tests scheduled with two farmers plus commercial grain buyers during the 2024 harvest season. A testing company will test their grader alongside their own lab units to ensure performance to specifications. If successful, Ground Truth will take public orders at the end of 2024 and the beginning of 2025.



Models are being developed to handle the U.S. grain grading system for soy and corn. Patel hopes they'll be available throughout North America sometime in 2025.

Models are also being developed to handle the U.S. grain grading system for soy and corn. Patel hopes they'll be available throughout North America sometime in 2025.

"It's looking positive for us to grade soy and then corn," Patel says. "Eventually we want all the major crops in the system."

The first units built to grade Canadian hard red spring wheat and red lentils are being manufactured and assembled in Regina, Sask.

The machine vision model will be priced at approximately \$19,000 CAD (\$13,875 USD). The near-infrared spectrometer-equipped unit, including machine vision, will retail at \$40,000 CAD (\$29,190 USD).

Contact: FARM SHOW Followup, Ground Truth Agriculture, 662 1st Ave E, Regina, Sask., Canada S4N 5T6 (ph 306-552-7011; info@groundtruth.ag; www.groundtruth.ag).



Planter adjustments are made by deactivating and hydraulically lifting every second row.

European Planter Capable Of Variable Row Spacing

HORSCH is improving the flexibility of its equipment, including narrow row widths with its Solus design.

"Currently, the HORSCH Solus 1047 SX is the only machine in the 10 to 12-m. (32 to 39-ft.) working width sector for single grain seeding in narrow rows combined with a central double hopper for fertilizer and seed," states a HORSCH representative in a recent promotion. "The seed wagon concept of the machine is unique with a double axle for road transport as well as a frame with 47 rows and a tire packer for working in the field."

The Solus is equipped with the HORSCH AirSpeed metering system to ensure precise metering and singulation of the seed. New metering discs for sowing cereals, rapeseed, and soybeans have also been developed. The combination of double disc coulters with lateral depth control and precise coulter pressure adjustments creates seed placement precision. This precise depth control ensures

even emergence.

A central hopper with a 5,000-l. (1,320-gal.) capacity for seed and fertilizer is central to the machine.

The Solus can sow different row spacings, increasing flexibility in the range of applications. Adjustments from 22.5 to 45 cm. (9 in. to 18 in.) can be made easily and quickly by deactivating and hydraulically lifting every second row. Using a 25-cm. row spacing, the unit also works with a 50 or 75-cm. (20 or 30-in.) corn row.

HORSCH sees enormous potential for the Solus where relatively low seed rates are used and cereals are sown early in dry conditions. Because of this, interest in the machine is growing in Europe, especially in parts of Hungary and France.

Contact: FARM SHOW Followup, HORSCH LLC, 200 Knutson St., Mapleton, N.D. 58059 (ph 701-532-1000; info.us@horsch.com; www.horsch.com).

Switch Transfers Power During Outages

GenerLink, a socket-mounted transfer switch, provides a safe and easy way to connect and use portable generator electricity when power goes out.

Permanently installed behind an electrical meter without rewiring or adding subpanels, it delivers generator power directly to a breaker box, eliminating the inconvenience of running electrical cords throughout a house.

"A GenerLink installation is dependent on local utility companies," says Steve Langelier, Outside Sales Rep for New England Electrical Sales. "They first need to approve it, so calling your provider is the first step. The second step is having it installed by a licensed electrician, not only for safety but to fill out a card's license number for warranty."

Langelier stresses the importance of ensuring a generator fits the right size range for the 30 or 40-watt model options. A generator with up to 11 kW capacity can be used. Models and sizes can be checked on the New England Electrical Sales website.

The transfer switches are equipped with a proprietary bottom outlet to host an included safety-featured 20-ft. cord. Before operation, it's recommended a homeowner unload any unnecessary breaker circuits to reduce power load. Once the transfer begins, the GenerLink will automatically identify the number of used circuits.

"A 200-amp panel connected to a 5,000-watt generator will run a furnace, refrigerator, and television, but not baseboard or water heaters," Langelier says. "That's the other reason electricians need to install them, as they can point out which circuits to use, plus recommend generator sizes."

With a GenerLink, if a generator becomes overloaded, it will snap back into neutral and stop the transfer as protection.

Once utility power returns, green LED



Langelier says the GenerLink is safer than other interlock switches as they protect generators and don't allow utility lines to back-feed.

lights glow, alerting homeowners to shut down the generator, which reroutes power back through the utility power grid.

Langelier says the GenerLink is safer than other interlock switches as they protect generators and don't allow utility lines to back-feed.

The GenerLink is manufactured in Georgia and available throughout North America wherever approved.

Units sell for just over \$1,000 plus S&H. Contact: FARM SHOW Followup, New England Electrical, 176 Samuel Barnett Blvd., New Bedford, Mass. 02745 (ph 603-434-6705; sales@newenglandelec.com; www.newenglandelec.com).