



New Holland Wins Six AE50 Awards for Engineering Innovation

New Holland, Pa. (January 24, 2014)-- New Holland Agriculture has been honored with six prestigious AE50 Awards by the American Society of Agricultural and Biological Engineers (ASABE). The AE50 awards are presented for the fifty most innovative product ideas to enter the market in 2013. They honor new product ideas that are ranked highest in innovation, significant engineering advancement, and impact on the market served.

The New Holland award winners include:

- Roll-Belt™ 560 round baler
- Discbine® center-pivot disc mower-conditioners
- Speedrower® self-propelled windrowers
- Opti-Speed™ variable strawwalker speed technology for CX Series combines
- SmartTrax™ system with Terraglide™ suspension for CR Series combines
- ECOBlue™ HI-eSCR exhaust gas after-treatment system



“We’re proud to have received these awards recognizing industry-leading advances in technology,” says Abe Hughes, New Holland’s Vice President of North America. “As an innovator of smart equipment, New Holland was the first in the industry to provide Discbine® mower-conditioners, self-propelled windrowers and Twin Rotor® combines. The AE50 awards affirm New Holland’s commitment to the continued innovation needed to provide cutting-edge solutions today’s agricultural producers demand.”

The **Roll-Belt™ 560 round baler** lets operators increase their productivity with a higher-capacity pickup and other features for overall improved ease of use. This 5’x6’ Roll-Belt baler features the industry’s widest pickups and highest bale densities for higher baling capacity and better feeding ability in a wide range of crops and baling conditions. New Holland’s proven combination of rolls and belts gets hay rolling quickly for fast, reliable core starts and helps pack more hay into every bale for less outside storage losses.

The entire feeding system, from the pickup reel to the rotary action feeder in the new ActiveSweep™ pickup, improves crop flow for faster core starts and more positive feeding in even the most demanding crop conditions. The Roll-Belt 560 is available with a 60-inch, six-bar SuperSweep™ pickup or the new 82-inch, 5-bar ActiveSweep pickup. The new ActiveSweep design innovations add up to an impressive 20% increase in capacity.

For bales that are dense, easier to feed and easier for livestock to digest, the Roll-Belt™ 560 can be equipped with New Holland’s industry-exclusive Bale-Slice™ system. Knives enter the bale after the core is made, so bales retain a solid core, and the operator decides how much of the bale is cut to the outside bale face. Bales made by the Bale-Slice system are up to 14% more dense than unsliced bales and can increase the average daily weight gain in yearling heifers by 23% (according to a Penn State Bale-Slice Study) as well as higher production rates across the board.

The new Bale Command™ II Plus control system features easy-to-understand icons and simple menu setups, while an optional ISOBUS system provides expanded information with touch-screen convenience. The updated net-wrap system requires fewer adjustments, and net rolls are easier to load. The twine-wrapping system uses a dual-twine arm with a center pivot for more consistent twine placement.



The Specialty Crop Roll-Belt 560 is designed to handle tough conditions and high-volume crops like cornstalks, straw, or large windrows of heavy grasses like sudan. It features the heavy-duty ActiveSweep five-bar pickup with HD rubber tines, solid two-piece tine bars and a roller windguard. Crop guides reduce crop catching on gauge wheels, fingers on the external expeller roll remove in-chamber debris and a duckbill trash baffle cleans net wrap during each wrapping cycle.

Discbine® center-pivot disc mower-conditioners introduce a high ratio of cut width to conditioning width. A kit specifically for biomass harvesting allows the unit to easily harvest biomass crops such as Miscanthus and switchgrass. WideDry™ conditioning system provides a full 125 inches (318 cm) of conditioning with a choice of rubber-on-rubber or steel-on-steel intermeshing rolls or LeaningEdge™ flails. The wider conditioner allows a thinner mat of crop without higher density at each end, resulting in more uniform conditioning and faster drydown. The WideDry™ system also allows delivery of a 10 foot (3 m) wide swath.

A high-speed transport option, improved hydro-mechanical steering, and integrated IntelliSteer™ auto-guidance make the **Speedrower® self-propelled windrower** more productive, getting an operator from field to field more quickly and allowing faster field speeds with a full header on every pass. Transport speeds up to 24 mph (38 kph) are beneficial to customers with widespread haying operations and custom operators. IntelliSteer auto-guidance provides the ability to operate within 6 inches (15 cm) of pass-to-pass accuracy at speeds up to 16 mph (25 kph), even with a WAAS guidance signal. The New Holland Speedrower is the first in its class.

Opti-Speed™ variable strawwalker speed technology for New Holland CX Series combines, beginning with Model Year 2014, represents an exclusive harvesting advance that delivers productivity improvements of up to 10% in corn and up to 25% in wheat by automatically matching the strawwalker speed to the crop type and harvesting conditions on flat or hilly ground. This feature is unique to New Holland. On all other conventional combines, the straw-walker speed is fixed at a speed that is a compromise for all crops and terrain.

With the Opti-Speed™ technology, the operator selects the crop to be harvested on the in-cab IntelliView™ IV display, and Opti-Speed™ constantly regulates the strawwalker speed for that crop by reading the slope. Going uphill, strawwalker speed is reduced to minimize grain loss from material moving too quickly. On downhill grades, the speed is increased to prevent clogging and inefficient separation. All of this happens automatically to optimize performance, without the operator having to adjust the forward speed of the combine.

The **SmartTrax™ system with Terraglide™ suspension** for New Holland CR Series combines is a track system that follows the contour of fields or roads using rollers that adjust side to side as well as up and down for maximum traction, less soil compaction, and greater driver comfort. The triangular structure of SmartTrax™ is designed to reduce ground pressure by up to 60%, when compared to wheeled machines, and to improve stability while maintaining the maneuverability of traction-tired combines.

The industry-exclusive **ECOBlue™ HI-eSCR exhaust gas after-treatment system**, developed by FPT Industrial, ensures that the high-horsepower New Holland T7, T8, and T9 Series tractors are Tier 4B-compliant* while maintaining their outstanding efficiency and productivity. The ECOBlue™ HI-eSCR system is an evolution of the existing ECOBlue™ SCR system and is



protected by eight patents. This system has the highest NOx conversion efficiency in the industry—above 95%—while maintaining or improving the productivity of the machine. The new engine control unit manages both the engine and the HI-eSCR after-treatment system by predicting the DEF/AdBlue injection rate for the dosing module. A dedicated closed-loop system continuously monitors NOx levels in the exhaust gases, ensuring that the precise amount of DEF/AdBlue is injected during every cycle. The result is a high NOx conversion rate while guaranteeing low fluid consumption.

Over the past decade, New Holland has been recognized with 40 AE50 Awards for advanced technological innovations in products ranging from combines to tractors to hay tools. “These awards are a testament to New Holland’s continuing commitment to launch new equipment with smart innovations to help growers become more efficient and more profitable,” says Hughes.

**Introduction timing of T4B compliant machines may differ for different countries around the world.*

About New Holland

New Holland Agriculture and New Holland Construction sell and service an innovative line of agricultural and construction equipment, including a full line of tractors, hay and forage equipment, harvesting, crop production, skid steer and compact track loaders, compact wheel loaders and mini excavators. Sales, parts and service are provided by more than 1,000 New Holland dealers throughout North America.

New Holland is a brand of CNH Industrial N.V., a World leader in Capital Goods listed on the New York Stock Exchange (NYSE: CNHI) and on the Mercato Telematico Azionario of the Borsa Italiana (MI: CNHI). More information about CNH Industrial can be found online at www.cnhindustrial.com

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