



New Products

► Introducing products, services for cattlemen; compiled by *Linda Robbins*, assistant editor

35 Keys to Success Winter Feed Management

Self-propelled forage harvester

John Deere has introduced the 8000 Series self-propelled forage harvesters. To get the most high-quality forage out of the field as possible, the new series has DuraDrum™ cutterheads and KernelStar technology for excellent corn silage processing. The AutoLOC (automatic length of cut) feature allows the operator to dial in the precise cutting length based on forage conditions.

Two cutterhead widths, matched to engine horsepower (hp), are available, so capacity can be customized for any need. All-new header solutions and crop-flow layouts



John Deere 8600 self-propelled forage harvester

increase flexibility among different crops and provide better performance in wet or dry conditions. Large 42-inch (in.) tires reduce compaction while providing excellent traction in all types of conditions.

Operator comfort has also been improved, with superior visibility from the cab, as well as longer service cycles, less daily maintenance and easier access to service points. Other features include the GreenStar 2630 with touch-screen display and all functions conveniently located in the

CommandARM™, Remote Display Access and AutoTrac with RowSense.

Growers can choose among four single-engine models with standard crop-flow channels, the 8100 with 380 hp and a 9-liter (L) engine; the 8200 with 430 hp and a 9-L engine; the 8400 with 540 hp and a 13.5-L engine; and the 8500 with 585 hp and a 13.5-L engine. An additional model with a wide crop-flow channel is available, the 8600 with 626 hp and a 13.5-L engine.

For more information visit a local John Deere dealer or www.johndeere.com/Ag.

Self-propelled windrower

New Holland has introduced its new Speedrower® self-propelled windrowers with three models. The Speedrower 160 with 161 max hp with a 4.5-L 4-cylinder engine, the 210 with 220 max hp and a 6.7-L 6-cylinder engine and the 260 with 261 max hp with a 6.7-L 6-cylinder engine all have a top speed of 24 mph with an optional high-speed transport. The new engines feature an ECOBlue™ Tier 4B with a selective catalytic reduction (SCR) system using diesel exhaust fluid (DEF) and a diesel oxidation catalyst (DOC) canister.

Compared to the Tier 3 Speedrower units, the new 4-cylinder Speedrower 160 achieves a 20% increase in hp, while the 220 and 260 units increase engine hp by 10%, according to the release.

The new series features a deluxe cab that is now standard equipment. Combined with the company's patented independent rear-axle suspension and Comfort Ride™ cab suspension, the new windrowers provide smooth, responsive handling that allows operators to increase their speed on uneven terrain. The company's CommandGrip™ multi-function handle puts essential machine functions at the operator's fingertips. An optional Delphi satellite-capable radio with Bluetooth technology provides the latest hands-free communication and entertainment technology.

Another option is the QuickMax™ knife-change system that reduces the time required to replace or flip knives by one-third. The redesigned rock guard and patented knife nut design make servicing the knives quick and easy, according to the release.

For more information visit a local dealer or www.newholland.com/na.

Forage harvesters

Claas has added to its line of forage harvesters with the release of the 800 Series, a complement to the 900 Series. The 800 Series is positioned to meet the needs of producers and custom harvesters who demand reliable performance and exceptional throughput, but don't require all the bells and whistles of the higher-end 900 Series.

The new series has four models, the Jaguar 880 (626 hp), the 860 (516 hp), the 850 (462 hp) and the 840 (408 hp). Mercedes inline 6 engines deliver Tier 4f power to the entire line. The top-end 880 offers a power curve comparable to the Jaguar 960, while the 840 fits a niche for those who don't require quite as much power as the base 930.

The Jaguar 880 can be equipped with the same MCC cracker as the 900 series, while the rest of the line can be equipped with a slightly smaller cracker called the MMC M. A new metal access door makes it easier than ever before to switch out the cracker and change rollers, according to the release.

Advanced air filters prolong the time between maintenance stops. Hydraulics have been upgraded and placed for easier access. Efficient Agriculture System (EASY) functions and driver-assistance systems are available on the 800 Series, including the AE50 Auto Fill, Cam Pilot, moisture sensors and more.

New to the 800 Series is a mechanical quick-attach drive coupler and hydraulic flat-face coupler for quickly and conveniently attaching headers. For those interested in outfitting the 800 Series for extra-heavy use, MAD JAG heavy-duty wear parts are available as options throughout.

For more information visit www.claasofamerica.com.

Combined self-propelled windrower and platform

John Deere has released the W260 Self-Propelled Windrower and 500R Platform to combine increased horsepower with advanced cutting technology to provide increased value in the field. The company Final Tier IV, 260-hp 6.8-L engine reduces fuel consumption due to improved low-end torque and the ability to deliver more power at a lower engine rpm. The engine offers increased power for windrow merger application; lower operating engine speeds;

and less slowing of ground speed in areas where the crop is down or on hilly terrain.

Steering performance is improved with integrated AutoTrac, and the independent



John Deere W260 self-propelled windrower and 500R Platform

platform float feature improves cut quality on uneven terrain. All-machine settings and functions are handled through the CommandARM™ with GreenStar™ 3 CommandCenter™ or 2630 display.

Serviceability has been improved significantly with styling changes, including the addition of gull-wing doors, which make service and maintenance easier, and moving the air intake above the machine, which reduces chaff buildup and extends service intervals. Remote diagnostics and performance data can be accessed with the JDLink™ telematics solution.

Improvements with the operator in mind include a 30% larger cab with 37% more glass surface area; a tinted rear window to reduce glare; and HD lighting for improved illumination during night operation.

For more information visit a local dealer or www.johndeere.com/ag.

Harvest and bale in a single pass

Hillco Technologies Inc., working in developmental partnership with John Deere, has developed a new system for harvesting corn and baling corn stover in one step. The Hillco Single Pass Round Bale System delivers the next generation of economical corn residue collection with minimal impact on corn-harvesting efficiency and speed. The system is exclusive to John Deere S Series combines and 569 standard round balers.



Hillco single-pass round bale system

The system is fully automated and offers continuous round baling with no stopping necessary. Harvesting and baling are accomplished in one pass, with less equipment, time and manpower required. Key features of the system include low horsepower consumption; full visibility, with three strategically located cameras providing easy viewing; simple pintle-style hitch for connecting and disconnecting; spread to collect at the touch of a button; even feeding creates dense, well-formed bales; and faster grinding times for bales.

For more information visit a local John Deere dealer or www.hillcotechologies.com.

Variable-chamber round balers

New Holland has introduced the all-new Roll-Belt™ variable-chamber round balers to replace the BR7000 Series and deliver capacity increases of up to 20% when compared to their predecessors. Available in 4-ft. and 5-ft. bale widths, the ActiveSweep™, SuperFeed™ and CropCutter® pickups have been completely redesigned. The standard-duty four-tine bar pickup, available on the ActiveSweep, has a 23% larger diameter and 80% thicker-walled tubular tine bars, as well as a 10% larger center hex shaft.

The heavy-duty five-tine bar pickup, standard on the SuperFeed and CropCutter, optional on ActiveSweep, has solid steel, split center tine bars for ease of service and lower cost of ownership. Complete with 6-mm reinforced rubber tines, which are 10% stiffer laterally and last five times longer, the pickup maintains peak performance in difficult, uneven windrows.

The optional feed-assist roll transfers the crop from the pickup to the rotor while simultaneously merging the flow of the crop to ensure that it matches the exact width of the bale chamber. The new casting gauge wheels allow the pickup to stay against the ground without scuffing the ground to get all the crop, even on sharp turns in field corners.

Unblocking clogged balers wastes valuable time, so the company has introduced DropFloor functionality. Operated from the comfort of the cab, when large wedges of crop block the rotor, the floor is simply lowered to provide additional space in the feeding zone, and baling continues.

Operators can choose a twine only, net only, or net and twine configurations to match their individual needs. The twine-placement system has been redesigned and now uses an improved center-pivot dual-twine tube to maintain a consistent wrap pattern to maintain bale shape, even during extensive handling.

The new baler is fully ISOBUS compatible for single-monitor control. Owners can choose between the ultra-wide color touch-

screen IntelliView™ IV or the existing IntelliView III monitor. Not ready for ISOBUS yet? Choose between the Bale Command™ II and advanced Bale Command Plus II monitors to enable control of up to four wrap patterns and record up to 20 individual bale count records, perfect for custom operators.

For more information see a local dealer or visit www.newholland.com/na.

More-efficient windrowers

Case IH has introduced new windrowers as part of its full line for 2015. The new Case IH WD4 windrowers offer improved horsepower combined with the company's efficient power technology. The 4-cylinder WD1504 and the 6-cylinder WD2104 and WD2504 deliver 150, 210 and 250 hp, respectively, and are equipped with the



Case IH WD4 windrower

company-exclusive SCR-only exhaust after-treatment technology to meet Tier 4 B/Final emissions requirements.

The WD4 Series windrowers offer a factory-installed autoguidance system through the AFS Pro 700 control center to increase productivity and reduce operator fatigue. According to the release, windrowers are among the most difficult pieces of equipment to drive, but the AFS autoguidance and a new hydraulic steering system with fewer linkages and pivot joints improves drivability in the field and increases steering responsiveness on the road, increasing the ability to operate at higher road speeds.

WD4 Series windrowers can now top out at 24 mph on the road, so operators can get to one more field before calling it a day.

For more information call 1-877-422-7344 or visit www.caseih.com.

New round baler

New for 2015 from Case IH is the RB5 Series round baler, which delivers 20% more capacity than its predecessor and is available in three sizes — the RB455 (4 × 5 ft. bale), the RB465 (4 × 6 ft. bale) and the RB565 (5 × 6 ft. bale). To meet the different needs of its producers, the company offers the RB455 and

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RB465 in four different configurations for hay, silage, rotor cutter and rotor feeder. The RB565 comes in three versions — hay, wide pickup and premium.

The new overshot feeder is standard equipment on the hay, silage, wide pickup and premium configurations. It is located between the pickup and bale chamber and creates a quick and even feed into the bale chamber. The rotor cutter and rotor feeder use an undershot feeder to more aggressively feed the crop into the bale chamber.



Case IH RB5 Series round baler

The advantage of the undershot feeder is the hydraulic drop floor, according to the release. If a baler becomes clogged while baling silage or other wet rank crops, the operator can lower the hydraulic drop floor from the cab and allow the clog to clear. The new roller windguard and five-bar pickup comb the crop off the ground for fast and even feeding. The new balers feature a redesigned pickup that has been strengthened from the inside out.

Other enhancements include double spider gears, solid line bars and rubber-mounted teeth that provide five times the wear life of previous-generation teeth. Belt tracking and durability have been improved. Premium belts are available in a laced or endless design.

The baler has also been made easier to operate with the company's ISOBUS-compliant control system. Producers can now run the baler through the AFS Pro 700 control center in their tractor, featuring a simple layout and a large touch-screen monitor.

For more information see a local dealer or visit www.caseih.com.

Dense, well-shaped square bales

John Deere has introduced two new L Series Square Balers, the L330 and the L340, to expand hay-baling solutions to its extensive portfolio of commercial hay-baling equipment. The balers are designed with two working widths, 83 in. for the L330 and 90 in.

for the L340. These high-capacity balers feature a heavy-duty drivetrain with a 45 stroke-per-minute gearbox to transfer power to other components. The 330 baler produces a 3 ft. × 3 ft. square bale, and the 340 baler produces a 3 ft. × 4 ft. square bale.

A special heavy-duty single-fork system compresses the crop tightly before transferring the hay into the bale case, creating dense, well-shaped bales in the most difficult conditions. A new on-board hydraulic density control allows the in-cab monitor to control hydraulic pressure on the cylinders against the bale case. Even when moisture content changes, the preset density for the bales does not.

The 330 has three hydraulic cylinders and the 340 has four hydraulic cylinders to adjust bale-case tension. The balers also feature dependable double-tie knotters with an integrated lubrication system. They are designed with a replaceable billhook and wiper plate for easier knotter repair and servicing. The hydraulic roller chute, last bale ejection system is another feature that allows an operator who needs to clean out the last bale for each job to wrap and eject the final bale regardless of size.

ISOBUS electronics are available and allow the balers to work with JDLINK™ software and are compatible with GreenStar™ displays. Electronic knotter flags come standard on all balers to allow operators easier harvesting and location of bales in the field.

For more information contact a local dealer or visit www.johndeere.com/ag.

Roundworm protection announced

Merial has announced that, following extensive study, LongRange® (eprinomectin) has received approval by the FDA's Center for Veterinary Medicine for the treatment and control of *Bunostorum phlebotomum*, a gastrointestinal roundworm found in beef and dairy cattle.

In five dose-confirmation studies, according to the FDA *Freedom of Information (FOI) Summary*, eprinomectin was found to be 100% effective for the treatment and control of *B. phlebotomum* in adult and larval stages. In a U.S. persistency study noted in the *FOI Summary*, eprinomectin was shown to be 99.8% effective against the parasite 150 days after treatment, as well as 95.6% 150 days after treatment in a European study. It was found to be 95%-100% effective in three clinical field studies cited in the *FOI Summary*.

According to a 2007 article in the *Journal of Veterinary Parasitology*, the parasite can be

a serious threat to herds, especially in warm, moist areas. If infected, cattle, especially the young, may grow poorly and not thrive, the article states.

When administered at the recommended dose volume of 1 milliliter (mL) per 110 pounds (lb.) of body weight eprinomectin is effective in treatment and control of certain internal and external parasites, including gastrointestinal roundworms and lungworms for up to 150 days with a single dose.

Two separate studies published in 1980 in the *Journal of Veterinary Parasitology* showed a single spring treatment of eprinomectin works long enough to break the parasite life cycle and reduce pasture reinfestation.

Eprinomectin is available through a prescription from a veterinarian. For more information visit www.merial.com.

Instant mix colostrum replacement

Land O'Lakes Animal Milk Products has announced improvements to its Bovine IgG Colostrum Replacement, which now features instant mix reformulation. Now the replacement can be mixed in approximately 15 seconds and is ready to feed to newborn calves.

Designed to replace maternal colostrum in the first day of life, the reformulation contains all the protein and fat of natural bovine-sourced colostrum. According to the release, the replacement is the most thoroughly researched product on the market; is USDA-licensed and tested; delivers greater than 100 grams of IgG in a single dose; has greater



rates of passive transfer compared to serum-based products; contains 95% IgG1, the only form of IgG known to get

re-secreted from calves' blood back onto mucosal surfaces (gut and lungs), where it helps address enteric and respiratory diseases; is guaranteed free of disease-causing pathogens; and has independent research that suggests a better rate of passive transfer because of greater apparent efficiency of absorption.

For more information call 1-800-618-6455 or visit www.lolmilkreplacer.com.



Books & Looks

The Wisconsin Historical Society Press has announced the publication of *The Heart of Things: A Midwestern Almanac* by John Hildebrand, a professor of English at the University of Wisconsin-Eau Claire. The author of three other books and numerous articles



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and essays that have appeared in publications such as *Harper's* magazine, *Audubon* and *Sports Illustrated*, this is his first book with the Wisconsin Historical Society Press.

In this book the former *Wisconsin Trails* magazine columnist charts his home, town and neighbors through changing months and common experiences. Intertwining seasons bring surprises and challenges, but they consist of the things that matter most in Hildebrand's opinion of Midwest life: weather, animals, family and home.

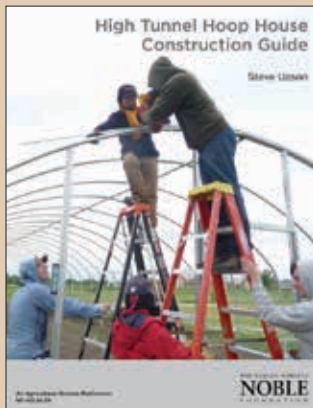
Hildebrand reports the drama and humor of ordinary life events — from church suppers to garden compost and from Friday night football games to roadside memorials — in a

collection that both shares the countryside perspective on life and defines the Midwestern sense of place.

Hildebrand writes from his heart, rooted in his home range in northwestern Wisconsin, in this honest portrayal of what it means to live in the Midwest, boiled down to the smallest of details. He explains, "This isn't a journal of any particular year, not a report of events as they occurred, but a record of things that grew in reflection over time."

The book is rich with observations about the "good life" that awaits in the Midwest. An ebook edition is also available.

For more information or to order the book, contact Kristin Gilpatrick, Wisconsin Historical Society Press, 816 State St., Madison, WI 53706; 608-264-6465; or kristin.gilpatrick@wisconsinhistory.org.



► *The Noble Foundation High Tunnel Hoop House Construction Guide* contains a detailed review of the various models of permanent and moveable hoop houses, as well as traditional and novel building materials and methods used in construction.

Samuel Roberts Noble Foundation Horticulture Consultant Steve Upson has authored *The Noble Foundation High Tunnel Hoop House Construction Guide*, which draws on Upson's 17 years of experience designing, constructing and using hoop houses. The publication contains a detailed review of the various models of permanent and moveable hoop houses, as well as traditional and novel building materials and methods used in construction.

"My intent was not to offer a complete set of construction plans for any particular type or size of hoop house," Upson said, "but rather to introduce novice growers and hoop-house builders to the various

tools and techniques used in constructing a wide range of hoop house models."

The various procedures and techniques detailed are applicable to both prefabricated, commercial structures and homemade structures. Considerable attention is given to site selection, site preparation and house layout, common challenges for many first-time builders. A list of tools and supplies is provided at the end of the publication; however, required materials will vary depending on the type of hoop house constructed.

The 96-page, full-color publication is accessible on the Noble Foundation website at www.noble.org/ag/horticulture/hoop-house-construction-guide.

Soil website

Stakeholders interested in being part of the Soil Renaissance can now do so electronically via a new website. The website is a tool for people involved in the Soil Renaissance to stay up-to-date on the work of the four focus groups and is a great way to attract new people and help them find out what the organization is all about.

The project is a collaboration of Farm Foundation NFP and the Samuel Roberts Noble Foundation. The website, which is mobile-friendly, provides access to the complete Strategic Plan, as well as information on the people involved in the four areas of work: measurement of soil health; the economics of soil health; research needs and priorities; and education.

The Soil Renaissance serves as a central hub through which interested parties can learn about work in progress, gaps to be filled and ways they can help. Visit the new website at www.soilrenaissance.org.

Yamaha Motor Corp. USA, has launched a new Viking VI "Build Your Own" (BYO) site providing customers the opportunity to personalize and accessorize their vehicle online. Current and potential customers can now see what their customized machine might look like via an interactive site at www.yamahaviking.com.

The company currently has more than 50 accessories for the Viking VI, which is the only true six-person Side-by-Side (SXS) vehicle with full utility and off-road capabilities. The new 2015 Viking VI model was announced in June 2014, and production is now in full swing with vehicles being delivered to dealers across the country.

The versatility of both the Viking and Viking VI creates an ideal platform for personalization. Existing and future Viking or Viking VI customers can now virtually customize their SXS via the BYO tool



on the company website to get an idea for what accessories best suit their needs. The Yamaha accessories

division is supporting that customization and the versatility of the Viking vehicles by developing and sourcing a comprehensive catalog including popular products like roofs, windshields, storage boxes and sound systems that can be ordered directly from and installed by Yamaha dealers.

BYO sites for other company ATV and SXS vehicles can be found at www.yamaha-motor.com.