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SEPTEMBER/OCTOBER 2024



All the Stuff at MAGIE 2024!

THIS ISSUE, WE REVIEW ALL THE PRODUCTS THAT WERE ON DISPLAY AT THIS YEAR'S MIDWEST AG INDUSTRIES EXPOSITION. COVERAGE STARTS ON P. 4.



Product
News
For
Ag Retailers



FIRST VIEWS



MAGIE PRODUCTS



PRODUCT OF THE
YEAR ENTRIES



BOOM ACCESSORIES



A NEW LEADER
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FIRST VIEWS

Eric Sfiligoj



AS I WRITE THIS COLUMN, I've just returned from the annual Midwest AG Industries Exposition (MAGIE) show. It was an exceptional event, as always. And while seeing all the new pieces of equipment ag retailers will be using during the upcoming season was nice — in addition to eating all the fantastic food a handful of exhibitors offered! — the thing that was most pleasing to me was something I've never experienced at a MAGIE before: The excitement for the annual ShowStopper Award!

For those unfamiliar, the ShowStopper Award was introduced at the 2007 MAGIE show as a way to honor the product attendees considered “best in show.” Every year since then (with the exception of 2020, when the pandemic cancelled MAGIE), CropLife IRON and the Illinois Fertilizer & Chemical Association have awarded a ShowStopper trophy at the event.

Throughout the almost two decades this award has been presented, the so-called Big Three of ag application equipment — Fendt/AGCO, Case IH, and John Deere — have dominated the competition, winning 13 of the 17 ShowShopper Awards. Furthermore, all but one trophy ended up going to a non-sprayer-oriented product.

But 2024's competition was different. First of all, I was surprised by the numbers of MAGIE attendees that kept coming up to me throughout the early hours of the show, uttering a variation on the following phrase: “Hey, Mr. CropLife IRON. This here should be your ShowStopper (pointing at whatever product they thought was “best in show”). Normally, our staff has had to seek out these options to determine the winner. However, this year, no less than 40 MAGIE attendees approached me, offering up their views on what product should win.

And in the end, it wasn't a sprayer that won this year. Instead, New Leader took home the ShowStopper for its new NL720 Spreader (details on p. 18).

So, here's to another great success story from the MAGIE show: The quest for a ShowStopper! — Eric Sfiligoj

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The annual Midwest AG Industries Exposition (MAGIE) also has many of the industry's best and newest products on display — and the 2024 event was no exception. On the following pages, *CropLife IRON* offers a snapshot of some of the units we saw during the show.

LEEB VL

HORSCH

The HORSCH Leeb VL is a self-propelled sprayer designed for crop treatment, featuring adjustable clearance from 60 inches to 80 inches and a track width range of 100 inches to 160 inches.

Its pneumatic suspension and comfortable cabin provide car-like driving comfort, says the company. The sprayer's active BoomControl system allows operational speeds up to 20 mph with precise application and reduced drift. Additional features include PrecisionSpray pulse width modulation, ergonomic controls, and the CCS Pro cleaning system. The Leeb VL's modular design allows customization to meet specific farm requirements, ensuring efficiency and adaptability for crops such as corn, sunflowers, and canola.

Mapleton, ND, 701-532-1000, Horsch.com



X-SERIES PROWLER

GVM

The 2025 X-Series Prowler boasts one of the industry's highest capacity spray systems at 1,800 gallons and largest spreader body with 13 tons of capacity.

According to the company, the Prowler offers the industry's fastest dry-to-liquid changeover, clocking in at under 30 minutes. Equipped with a Cummins QSL9 380-hp engine and a Funk DF250 transmission, the fuel efficient 4WS mechanical driven chassis can get users through all four seasons. With a wide range of axle configurations going from a fixed 99 inches to an extra wide adjustable axle that reaches 165 inches, the Prowler can fit any grower or fertilizer dealer's needs, says the company. The combination of a powerful and mechanical AWD drivetrain, high capacities, and four-season functionality, ensures Prowler owners can get more done with fewer machines.

Biglerville, PA, 800-458-5123, gvminc.com



FLX1224 COMBINATION FIELD LOADER

BREHMER MANUFACTURING

Transition between fertilizer and lime with the dual purpose FLX1224 Field Loader from Brehmer Mfg. The lime hopper easily disassembles and converts for low-profile loading of dry fertilizer. FLX1224 units are made from 304 stainless steel and feature the company's patent pending, self-aligning belt system that tightens and centers the conveyor belt as the machine is being used. It features a 24-foot-wide crescent top belt, a 25-degree incline, and has a 14-foot clearance under the top drive pulley.

Lyons, NE, 888-687-2655, brehmer.com



CONDOR

AGRIFAC NORTH AMERICA

The Condor offers users up to 79 inches of crop clearance. The unit also features the company's GreenFlowPlus system, which provides full circulation at high pressure all the way to the spray nozzles. According to the company, this prevents spray triangles and deposits, meaning that no product is left in the tank.

Seward, NE, 402-803-1695
agrifac.com/us



FENDT ROGATOR

FENDT AGCO

The Fendt Rogator 900 Series is a self-propelled, rear-mounted boom applicator with adjustable clearance (from 56-inches to 76-inches) that can be converted between liquid and dry systems within two hours. The Rogator can apply any type of crop care application throughout the entire growing season providing a superior investment and greater control over product costs, says the company. The standard LiquidLogic system primes the boom in seconds and the AirMax Precision R1/R2 pneumatic boom system with TurnLogic ensures even coverage of dry materials during cornering for substantial savings and improved crop health.

Visit applylikeapro.com for more information.



ed at **magie** 2024

AN HONOR FOR ONE SPECIAL APPLICATOR

AT MAGIE 2024, show organizers, the Illinois Fertilizer & Chemical Association (IFCA), also chose to honor a select few of the folks at the annual event by bestowing upon them “best of” honors. For a third year in a row, the association presented a trophy and recognition for a custom applicator within the state of Illinois that has shown “dedication, achievement, and an overall professional attitude” when applying crop protection product to grower-customer fields. The trade group accepted applications for this award throughout the early summer months of 2024, narrowing the 37 finalists down to four.

“We thought it would be nice to honor these hard-working individuals because they might not receive such widespread recognition elsewhere,” said IFCA President Kevin “K.J.” Johnson of the Applicator of the Year award. “And we further thought that the MAGIE [Midwest AG Industries Exposition] show, dedicated to the ag retail business, would be the natural place for this kind of ceremony to take place.”

At the 2024 MAGIE, Johnson and IFCA’s Leslie Forrest, Director of Programs, Office & Memberships, were on hand to formally announce the winning custom applicator. That ended up being Mike Mriscin from M&M Service Co. in Marine, IL.

According to his entry, Mriscin has been spraying for 32 years. Annually, he applies products for growers across 26,000 acres in Illinois. He lives in Alhambra, IL.

The other Applicator of the Year finalists were Paul Babler from Pearl City Elevator, Dakota, IL; Doug Berbaum from United Prairie in White Heath, IL; and Marty Corbin from Carroll Service Co. in Lanark West, IL.



Mike Mriscin from M&M Service Co., right, accepts the Applicator of the Year Award from IFCA President Kevin “K.J.” Johnson.

In addition to the Applicator of the Year award, IFCA also annually recognizes one exhibitor at the MAGIE show that exemplifies the best “booth display.” In 2024, the winner of this honor was Linco Precision. The entire team from the company accepted the trophy.



The four finalists for Applicator of the Year. From left: Paul Babler from Pearl City Elevator; Marty Corbin from Carroll Service Co.; Mike Mriscin from M&M Service Co.; and Doug Berbaum from United Prairie.

QVP38’/40’ QUICKVEYOR 38’ FERTILIZER CONVEYOR TRAILER

PETERSON MOTORS

Quickveyor is available in 38- & 40-foot lengths. The QVP38’ offers higher tube height and pintle hitch option while the QV40’ boasts larger capacity. Users can offload 26.5-plus tons of fertilizer or seed at speeds over 6,200 pounds per minute. Utilizing a quality Prestige base trailer, standard features of both QVs include two compartments, air ride suspension, stainless steel fenders, four aluminum rims, and the Quickveyor all-304 stainless-steel belt driven conveyor system. According to the company, Quickveyor controls are simple and easy to operate, with full remote making emptying the trailer into a seeder or spreader a breeze. The new aluminum outlet spout creates a clean targeted flow. Custom options include Shurco tarp and traps in the new Shurlink Pro system, clean-out doors multiple compartments, four-way swinging discharge chute, self-contained pony motor, and flexible extension tube. Peterson Motors has also expanded its self-contained pony motor option to offer both Honda and Briggs motors.

Watertown, SD, 605-882-3990, quickveyor.com



24 TON 2 COMPARTMENT TENDERS

HAYS-LTI

The Hays 24 Ton Tender is manufactured in Camilla, GA, and is designed around specific customer needs to make it the most user-friendly tender on the market, says



the company. Hays engineers have managed to increase the capacity of the hoppers while maintaining a lower center of gravity. Our tender still features the well-known “HAYS Standards,” including greater hopper slope, lower trailer weight, hydraulic doors, hydraulic vibrators, and the discharge auger raise/lower arm. According to the company, all Hays tenders feature top-of-the-line safety and performance features that are continuously being improved and implemented to meet the growing needs of the ag industry and our customers. The 24 Ton Tender is available in a two and three compartment option.

Camilla, GA, 866-547-4297, hayslti.com

TT2000 DRY TENDER

THE KBH CORP.

This 32-foot two compartment rear discharge dry tender features a capacity of 1,065 cubic feet while maintaining a low center of gravity and steep hopper slopes. Standard features include an easy-to-unbolt stainless steel tubing hopper frame and hoppers, stainless two-piece motor couplers, stainless bearings, shafts and flighting, stainless lightweight hopper grates, hydraulic hopper vibrators, hydraulic hopper and clean-out doors, reversible discharge auger with pressure check, water fitting for discharge auger wash out, stainless front and rear fenders, tier 4 diesel engines, central lube station and spring assist tarps. Options for the unit include split hoppers, electric tarps, wet kit set-up, longer custom trailer lengths, and extra fixed and/or air lift tag axles.

Clarksdale, MS, 800-843-5241, kbhequipment.com



VPA 1000

HEARTLAND AG SYSTEMS EQUIPMENT

The VPA1000 side discharge tender features the industry's first variable position auger system, which can unload on both sides of the tender at incredible rates of over 5,000 pounds per minute. In addition, operators can store the 22-foot auger on either side. This 28-ton workhorse also provides 50-degree slopes, self-cleaning bins, and product viewing windows.

Hutchinson, MN, 800-328-5866, heartlandag.com



NL4500G4 EDGE

NEW LEADER

The NL4500G4 Edge comes standard with independent spinner speed and edge of field technology. With dual RPM sensors, operators can maintain precise speed on each spinner within five RPM.

Cedar Rapids, IA, 319-363-8281, newleader.com



MIXMATE

PRAXIDYN

Stop by to see our new product launch! Users can benefit from automated chemical blending with automated recordkeeping with the same small footprint and flexibility to work with their operation. Mixmate allows for a focus on less exposure to chemicals for safety while providing accuracy for more efficient mixing. The system features a unique and patented jug processing. The company shared live Mixmate demos at the MAGIE Show at its new location in Booth #203 where our farm sprayer trailer was parked.

Avoca, IA, 712-587-9721, praxidyn.com



SST933

NORWOOD SALES

The SST933 integrated Stainless Steel D.O.T. Uni-Body Trailer is constructed of 304 stainless steel, allowing for lighter trailer weights and higher payloads. It's designed with a capacity of 933 cubic feet (struck) of transport storage, with outputs of 7,000 pounds per minute. Poke holes are standard on all hoppers. A 12X30-foot 18-inch stainless steel belt conveyor provides for extra reach, and the rubber belt has a 210 ton-per-hour capacity.

Horace, ND, 800-446-0316, norwoodsales.com



VECTOR 390

RBR ENTERPRISE

The Vector 390 is the most productive fertilizer applicator available on the market, says the company. Its straightforward design is made with the highest-grade components for top-tier performance and can be used during both pre-plant and post-plant seasons in order to maximize the return-on-investment all year long. Features include boundary spreading with left and right shutoff, last pass spreading, pressure compensated hydraulic feed gate, and a centralized grease bank. The Vector is outfitted with New Leader beds ranging from 13 feet to 16th feet in length and a capacity of 330 to 426 cubic feet.

Byhalia, MS, 662-851-4200, rbrenterprise.com



T50 DJI AGRAS

AGRI SPRAY DRONES

The T50 DJI AGRAS is built with a coaxial twin-rotor propulsion system. The unit can carry 88 pounds of spraying payloads or 110 pounds of spreading payloads. It also features a magnetic drive impeller pump with up to 6.34 gallons per minute capacity using four nozzles or 4.23 gallons per minute using two nozzles.

Boonville, MO, 573-519-5000, AgriSprayDrones.com





ICS AUTOMATED PREMIX SYSTEMS

MURRAY EQUIPMENT INC.

Users can achieve the ultimate liquid fertilizer batch precision with Murray Equipment's ICS Automated Premix Systems, says the company. This system allow users to automatically inject up to 20 products per premix system — weigh, auto-inject, rinse, and discharge each product according to a predetermined blend sequence. This system integrates with ICS Loadout Systems and ICS ControlPro for accounting and agronomy software integration.

Fort Wayne, IN, 800-348-4753, MurrayEquipment.com

STAINLESS & MILD STEEL TANKS

PRECISION TANK

Precision Tank supplies innovative liquid storage solutions including a full range of stainless and mild steel tanks. Stainless steel tanks — from nurse tanks to Bulk N-Serve Tanks — are constructed to withstand the rigors of daily use with a range of optional equipment for custom configurations. Mild steel tanks are fabricated from low-carbon, mild steel and produced in either flat or cone-bottom configurations. Springfield, IL, 800-258-4197, precisiontank.com



SS-429 CONVEYOR

RAY-MAN

The Ray-Man SS-429 Portable Fertilizer Belt Conveyor is a universal conveyor for moving bulk materials. Users can control the rate of discharge by adjusting the belt speed from zero to 450 feet per minute. They also can direct the discharge chute for precise loading straight down or off the end of the conveyor. A discharge height of 13 feet 6 inches ensures easy filling of most transport and floater trucks, says the company. The SS-429 conveyor is balanced for a one-man hook-up, and its adjustable wheel track provides outstanding stability over the road or through the field, says the company. Motor and adjustment covers shield moving parts while safety guards protect the operator. Keota, IA, 800-952-2012, ray-man.com



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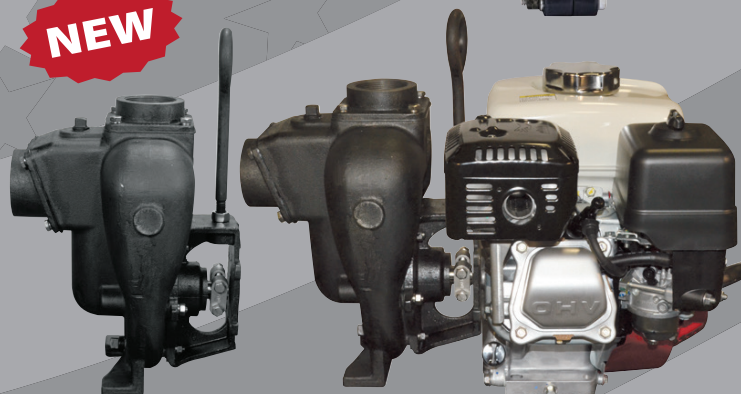
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www.TerreMax.us • sales@TerreMax.us

APACHE AS1250 XP

EQUIPMENT TECHNOLOGIES

The XP package from Apache Sprayers provides the perfect combination of power, traction, and efficiency, the company says. This model offers the next generation boom height and stability control system with Raven XRT with dampers (that can include boom AutoFold), plus a range of enhanced spray techniques. These include precision application improvements for a wide range of spray speeds and rates (including nozzle-by-nozzle flow control), a quick spray mode (QSM) from machine display, and a front-fill option. The XP boasts the highest-capacity model in the line-up, featuring a 1,200-gallon tank, so users spend less time refilling and more time spraying.

Mooresville, IN, 800-861-2142, etsprayers.com



GUARDIAN

NEW HOLLAND

Guardian front boom sprayers are designed for full-season application and operator comfort for optimum production capabilities. Features



include crop clearance up to 78 inches, AutoFold booms, IntelliHeight XRT boom height control, IntelliSpray nozzle control system, IntelliSteer at headlands, data management systems, and AutoRinse. Ultraquiet sprayer specific cabs and very smooth ride all add up to making the long days easier and feel a little shorter, says the company. For 2023, Guardian sprayers will incorporate precision technologies from Raven Industries. This includes the Slingshot and IntelliSpray II. The data generated from these features can be collected, streamlined, and aggregated by Raven's Connected Workflow system.

Contact your local New Holland dealer or visit newholland.com

TRIDENT 5550

CASE IH

The Trident 5550 combination applicator is available with the New Leader NL4500T G4 Edge, NL5000 G5, and new NL720 variable-rate dry nutrient applicators for precise dry-product application, says the company. The main hopper can be configured as a single product or the MultiApplier option can be added for application of two dry products simultaneously. Adding the MultiBin option increases application capabilities to four products.

Racine, WI, 877-422-7344, caseih.com



NITRO 7000 SERIES

MILLER-ST. NAZIANZ

Miller's Nitro 7000 Series front boom sprayers are built to exceed the demanding requirements of today's commercial applicators and growers, says the company. They feature very quiet sprayer-built cabs, up to 78 inches of crop clearance, and exceptional visibility. Technology is also at the top of the list with AutoFold Booms, IntelliHeight XRT boom height control, IntelliSpray nozzle control, and telematics. Units feature boom sizes up to 135 feet and tanks sizes up to 1,600 gallons.

St. Nazianz, WI, 920-773-2121, millerstn.com



N-STOR

WESTCAP AG CORP.

N-Stor tanks feature include butt-weld joints, 18- or 24-inch manway, 3- or 4-inch fill and 3/4-inch sight tube, and 6-inch roof vent. Options include a ball valve package, sloped floor, and ladder.

Brandon, MB, CAN, 855-533-3711, westcapag.com



AG1100

SHOCKAVOID

The ShockAvoid AG1100 is the premier system providing reliable warning of live overhead power lines, dependability to handle the rigors of a rugged, hostile AG environment, and ease-of-use for the operator, says the company. The Ag 1100 detects and warns the applicator operator and people nearby when your equipment is getting too close to overhead power lines — giving precious time to react before it happens!

Peoria, IL, 309-264-8118, shockavoid.com



AUTOBATCH AUTOMATED BLENDING SYSTEM

DOYLE EQUIPMENT MANUFACTURING

Improve inventory control by capturing the actual weight of each product in the blend or with straight product-direct loadout, says the company. The system reduces operator fatigue by allowing them to operate the system from the loader with an iPad. By utilizing 36-inch product conveyors, this is one of the fastest systems available for blending large volumes of fertilizer, according to the company. The blend drum also can be bypassed to provide for loading unblended product directly to trucks. Doyle's AutoBatch Blend System will integrate with most agronomy and accounting software programs.

Palmyra, MO, 800-788-8085, doylemfg.com



PRO-FORCE

UNVERFERTH

The pull-type and chassis-mounted line-up of Unverferth Pro-Force dry spreaders features a field-proven design, heavy-duty construction, and hoppers ranging from 270 to 840 cubic feet. The hopper is manufactured from premium 304 stainless steel handles dry fertilizer, lime, gypsum, compost, poultry litter, and cover crop seed. With the optional Duo-, Tri-, or Quad-Force hopper inserts and attachments, users can spread up to four different products at the same time, each with variable rate. A standard 34-inch-wide belt-over-chain conveyor feeds the dual 30-inch spinner disks with a dished design to optimize the trajectory of the dry material. The Pro-Force applicator can spread common fertilizer up to 90 feet, cover crop seed up to 70 feet, lime and gypsum up to 60 feet, and compost or poultry litter up to 45 feet.

Kalida, OH, 419-532-3121, umequip.com



400/600 SERIES

JOHN DEERE

All 400 and 600 Series Sprayers feature a John Deere PowerTech Engine and the fuel-saving CommandDrive powertrain. The 408R features an 800-gallon tank and a 280-hp PowerTech 6.8-L engine. The 410R is equipped with a 1,000-gallon tank and a 310-hp PowerTech 9-L engine. The 412R comes with a 1,200-gallon tank and is powered by a 326-hp PowerTech 9-L engine. The 612R features a 1,200-gallon tank and a 355-hp PowerTech 9-L engine. The largest model is the 616R equipped with a 1,600-gallon tank and a 375-hp PowerTech engine. All 400 and 600 Series Sprayers can be equipped with 90-, 100-, or 120-foot steel booms, or 120- or 132-foot carbon-fiber spray booms.

Contact your local John Deere dealer or visit Deere.com

IRON

ONE SMART SPRAY

BOSCH BASF SMART FARMING

The ONE Smart Spray system is designed to deliver optimal herbicide savings without compromising weed control and enables targeted spraying during day and night-time conditions, says the company. The camera-based system developed by Bosch detects weeds in milliseconds and precisely sprays only where necessary and only as much as needed. Using the field-specific data in a digital platform by xarvio Digital Farming Solutions, ONE Smart Spray also offers customized agronomic recommendations, intelligent sensitivity levels, high-precision agronomic maps, automated documentation, and further features in ONE solution. In addition to targeted spraying, the ONE Smart Spray System delivers integrated digital tools to turn the application data into actionable insights and improve yields and efficiency for users. Herbicide savings are delivered through a series of sophisticated sensors, automated sensitivity thresholds, and access to Bosch BASF Smart Farming's pest identification technology.

Koln, Germany, 49-7062-9116907, basf.com



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It's 'Product of the Year' Time!

Following debuts at this summer's trade shows, these five finalists are ready to compete with one another for the year's "Big I" trophy, as voted on by *CropLife IRON* readers.



FOR SEVERAL YEARS NOW, one of the annual events here at *CropLife IRON* magazine has been gathering up nominations for the Product of the Year competition. And the fight for top honors among 2024 product finalists looks to be as competitive as ever!

Since the beginning of summer, several manufacturers have launched new product innovations. From these, *CropLife IRON*'s readers have chosen these five items to compete for the honor of Product of the Year. More details on these entries can be found on the following two pages.

After reading over the qualifications of these five products, now it's up to you to decide which deserves the title (and trophy) of *CropLife IRON* Product of the Year. Once identified, the Product of the Year trophy will be presented to the winning company at one of this winter's trade shows.



1

SEE & SPRAY PREMIUM FOR HAGIE STS SPRAYERS

JOHN DEERE

See & Spray Premium for Hagie STS sprayers is an AI-powered weed-sensing system that activates individual spray nozzles when target weeds are "seen" by boom-mounted cameras. It uses a system of boom-mounted cameras to scan over 2,100 square feet of crop per second as the sprayer is in motion. On-board processors then determine whether an individual plant is crop or weed. Those processors send commands to individual ExactApply nozzles, which deliver a precise dose of herbicide only where the weed is recognized.

Why Nominated: "Used in conjunction with a good residual herbicide, the ability to selectively spray only targeted weeds – without spraying an entire field – can potentially reduce postemergence herbicide use by more than 50%. At the same time, the system can reduce the number of water stops and lower crop stress."



2

SS400+ SPINNER SPREADER

THE SALFORD GROUP

The SS400+ chassis-mounted Spinner Spreader can apply fertilizer up to 120 feet and lime up to 70 feet. The unit features 12-section swath control that is easy to operate and has few moving parts. Users can cover more ground with fewer refills from the high-capacity hopper. The floater model holds 420 cubic feet of fertilizer or 320 cubic feet of lime in a single bin configuration or 377 cubic feet of fertilizer using a dual bin configuration. ISO compatible, the SS400+ features 304 stainless steel bin screens and is chassis compatible with John Deere 800R, Case IH Titan, and RBR Enterprise Vector units.

Why Nominated: "Salford's advanced Sniper technology ensures precise section control up to 120 feet, maximizing the efficiency of any fertilizer application. The quick conversion feature for lime spreading and low maintenance design make the SS400+ units an indispensable tool for any application environment."



3

ZG-TS SPREADERS

AMAZONE USA

ZG-TS Spreaders can be trail or truck mounted and feature a hopper capacity of 10 tons. With 128-part width sections control, users can tailor those units for any field or contour. Equipped with online weigh cells, ZG-TS Spreaders can prevent overfilling or underfilling and auto-adjust for deviation in product flow characteristics and slopes in the field. The units also use sensors to auto-compensate for wind speed direction and gusts. The spreaders also comes with the ArgusTwin System, which utilizes 14 radar sensors to adjust application automatically as product density changes throughout the day.

Why Nominated: "For retailer's appeal, Amazone has been impressing the users with several beneficial outcomes. Mainly, these spreaders can cover more acres per day/season due to the machine features. Wider spread widths (120-feet for urea is common, 177-feet for heavier materials such as phosphorus and potash) can be achieved. Our lab in Germany tests all fertilizer products to know the parameters to obtain the precision and the data is easy to look up on our mobile app. All those usual difficult and stressful operator decisions are taken care of with accuracy they've never had before."



4

ET ELECTRIC TENDER SERIES

DOYLE EQUIPMENT MANUFACTURING

The Doyle 24-FT Side Unload ET Tender contains a Nickel Manganese Cobalt battery regulated by an internal Battery Management System, which controls discharge/charge rates, monitors temperature, and protects the battery. According to Doyle, battery capacity is approximately eight loads based on 10 batteries with no charging during the day. ET Tenders auto mode operation starts in a slow idle speed. When the bin gates open, the system senses the material and ramps up to normal speeds. Should the system detect an unusual load the belly auger throttles down to allow the load to clear the incline and then resume normal speeds.

Why Nominated: "An electric tender eliminates engine-related issues (i.e., maintenance, fuel use and quality issues). Units are designed to operate in varying temperatures. ET Tenders can operate at -4-degrees F using an internal heater and at 130-degrees F using a cooling fan."



5

NL720 SPREADER

NEW LEADER

The NL720 chassis-mounted spinner spreader features a 120-foot spread width to provide a 33% increase in productivity over previous models. The unit is designed with tool-free components, a positive-drive straight belt, a fixed feed gate, an operator inspection platform, and simplified spread-pattern testing. The NL720's integrated control module offers pushbutton spread width changes, allowing the operator to swap between the full 120-foot swath width and a 70- to 90-foot option for windier conditions or when spreading challenging fertilizer products.

Why Nominated: "The NL720's patented design provides industry-leading performance that allows users to cover more acres in less time. It's a testament to New Leader's 85 years in the spreading business and our commitment to continuously challenging the status quo."

**Cast Your
Vote**

Please cast your vote by visiting CropLife.com or our Facebook page. You can also send an email directly to erics@croplife.com. **Votes will be accepted from Friday, September 27, through Friday, November 1.**

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PWM technologies, the company says. OptiHeight is AGCO's solution to providing better coverage by hitting the target. The radar-style system quickly adjusts to variable terrain while maintaining proper boom height. Drift, speed changes, and irregular fields are no longer a challenge for crop protection. OptiPulse delivers best-in-class coverage by maintaining droplet size and pressure while giving operators peace of mind. It allows operators to focus on more critical tasks and ensure cleaner fields free from disease, pests, and weeds.

Duluth, GA, 770-813-9200, agcocorp.com



SYMPHONYNOZZLE

PRECISION PLANTING

SymphonyNozzle is an upgrade for nearly all existing sprayers that offers independent control of rate and pressure of products being applied, maintaining consistent spray quality. Enabled by Precision Planting's 20|20, prescriptions and boundaries, swath control limits overapplication, reducing waste. A lineup of camera products is in beta testing now and will hit the market soon to add guidance, crop scouting, and targeted spray applications through SymphonyNozzle.

For more information, visit precisionplanting.com



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PRECISION PLANTING

ReClaim, a boom recirculation system, is easily installed on any existing sprayer to save time and product. With the flip of a switch, quickly and effectively cleanout the boom to prevent cross contamination of products. ReClaim works with traditional nozzles and now includes a version optimized for PWM nozzles.

For more information, visit precisionplanting.com

FIELD-IQ ISOBUS ADVANCED SPRAYER

PTX TRIMBLE

The PTx Trimble Field-IQ ISOBUS Advanced



Sprayer solution is designed with retrofit in mind for maximum customization of advanced spraying machines. With ISOBUS, farmers experience a one-time setup through a new PC-based cloud configuration tool with settings that stay with the implement, reducing downtime and ensuring the greatest net farm income (NFI), the company says. An extensive feature set is available with rate, section and frame control features managed through any major third-party display. The power of ISOBUS is in its ability to control any machine, regardless of brand, make or model, providing advanced technology for current equipment to reduce input costs and improve the bottom line.

For more information, visit ptxtrimble.com

IBC SYSTEM

DIAMOND MOWERS

The Integrated Boom Control (IBC) system was created to give the operator single-hand control, enhanced safety features, and an optional, industry-leading Smart Screen — making this boom control system more capable than ever, the company says. The IBC Joystick, although not compatible with certain tractor models, is built into a custom armrest and provides full control of the machine, as well as an emergency stop button, right at the operator's fingertips. The IBC Smart Screen is available as an upgrade option that tracks and feeds data, provides detailed diagnostics for troubleshooting in the field, and allows the operator to customize boom speeds and joystick sensitivity. Finally, the custom armrest includes five adjustment locations and allows the user to position the joystick for their preferred operating style.

Sioux Falls, SD, 605-977-3300, diamondmowers.com



WEEDSEEKER 2

PTX TRIMBLE

WeedSeeker 2 is PTx Trimble's next-generation, green-on-brown spot spray system — designed to provide retrofit selective spraying functionality to your existing sprayer. When a weed passes underneath the WeedSeeker 2 sensor, the linked spray nozzle is signaled to turn on and precisely deliver herbicide to kill the weed, reducing the amount of chemical applied by up to 90%. This means farmers see immediate cost savings on chemical bills without slowing down, not to mention fewer weeds with chemical resistance and more high yielding-crops. Simply put, WeedSeeker 2 saves you money, reduces the presence of resistant weeds, and maximizes your crop yielding potential, the company says.

For more information, visit ptxtrimble.com



Continued on p. 14



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AIM COMMAND FLEX II

CASE IH

Achieve optimized spray application with AIM Command FLEX II advanced spray technology to maintain ideal chemical application rate, pressure, and accuracy. With individual nozzle on/off control, this technology ensures efficient, precise application — regardless of speed or terrain. AIM Command FLEX II technology compensates for different speeds across the boom to ensure correct application rate. AutoBoom XRT automatic boom height control detects changes in terrain and adjusts the boom to maintain a consistent height. These solutions are available as factory-equipped options on all Patriot 50 series sprayers and Trident 5550 liquid/dry combination applicators. **Learn more at caseih.com**



EXACTAPPLY

JOHN DEERE

John Deere ExactApply nozzle control systems help ensure solution gets to the crop at the right rate and droplet size across a wide range of speeds. ExactApply is a six-nozzle turret with multiple modes of operation that helps maintain target rate and pressure and is available as a factory-installed option, or as a retrofit to Deere 400, 600, and 4 Series Sprayer models. Deere models R4030, R4038, R4044, R4045, and R4060 sprayers can be upgraded to include ExactApply intelligent nozzle control. The sprayer requires stainless-steel plumbing and nozzle spacing of 15 or 20 inches. Performance upgrade kits are compatible with the John Deere GreenStar 3 2630 Display, 4600 CommandCenter Display, and the 4640 Universal Display. ExactApply can cover up to 20 more acres per hour (based on a 2-mph increase in speed). **Contact your local John Deere dealer or visit Deere.com**



SEE & SPRAY PREMIUM

JOHN DEERE

See & Spray Premium provides farmers more than 50% herbicide savings and is available via factory



install on select John Deere and Hagie sprayers, or as a Precision Upgrade kit for some models, the company says. See & Spray Premium delivers cleaner fields and better yields with a vision system powered by artificial intelligence to help farmers gain cost efficiency and combat herbicide resistance with precise application by only spraying the weeds. See & Spray Premium utilizes advanced stability provided by John Deere's BoomTrac Pro 2.0 to stabilize the sprayer boom. Once a weed is detected, a command is sent to ExactApply nozzle bodies to spray.

Contact your local John Deere dealer or visit Deere.com

INDIVIDUAL NOZZLE CONTROL PRO

JOHN DEERE

Individual Nozzle Control Pro technology is a Precision Upgrade kit helping farmers get section widths down to the individual nozzle turret and turn compensation by individual nozzles, saving money and increasing application accuracy. Building on proven hardware, Individual Nozzle Control Pro technology adds 15-hertz pulse width modulation to a five-nozzle body turret. This upgrade option allows accuracy of nozzle control down to the individual nozzle, reducing overlap and over-spraying.



Contact your local John Deere dealer or visit Deere.com.

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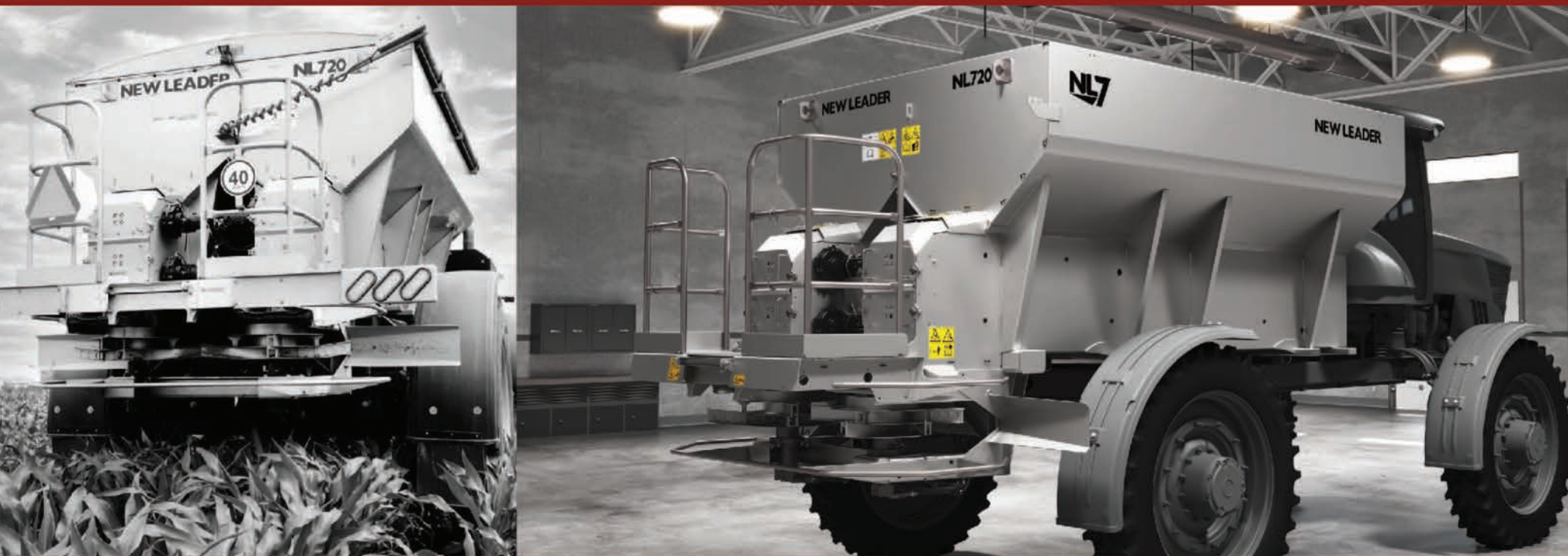
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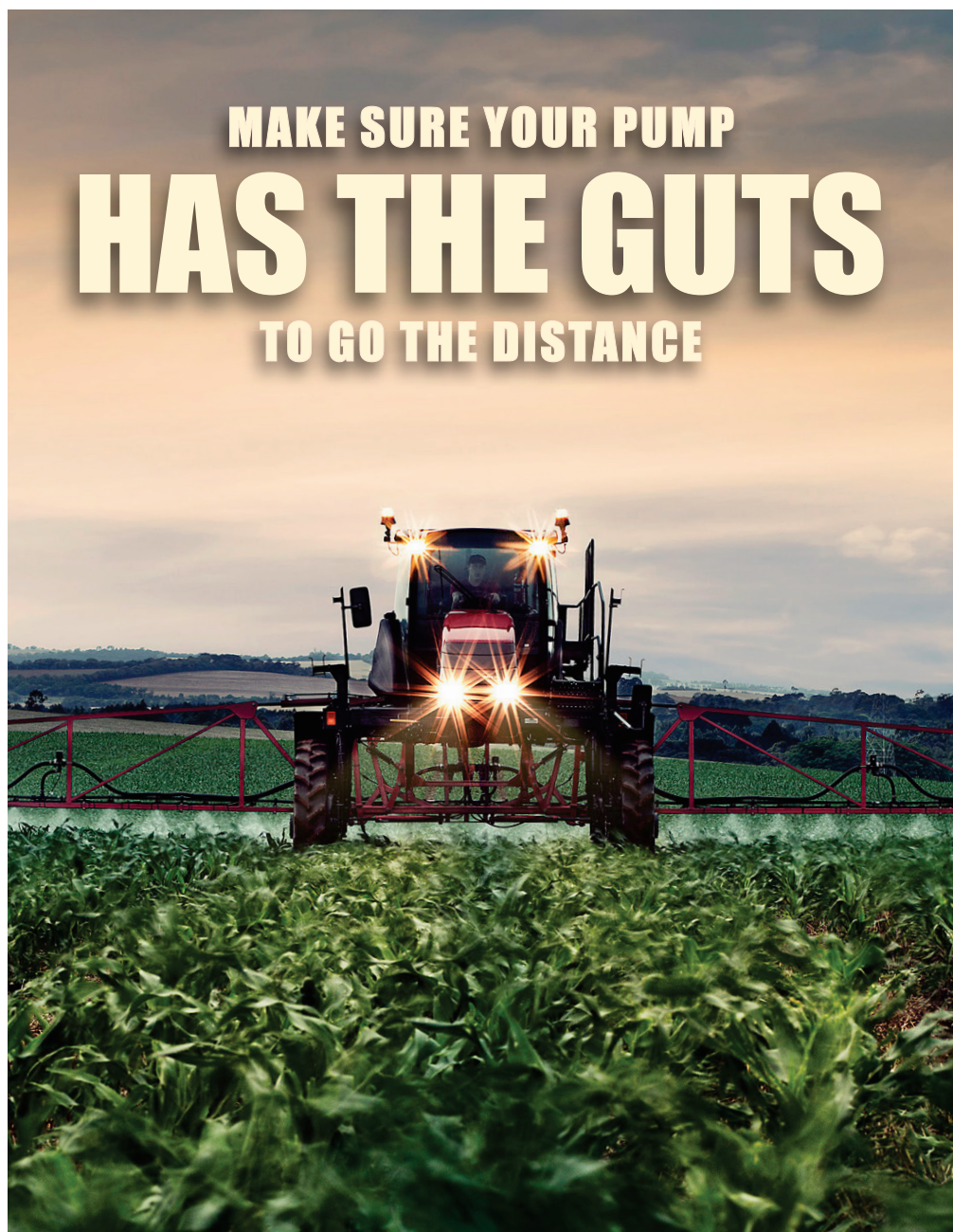
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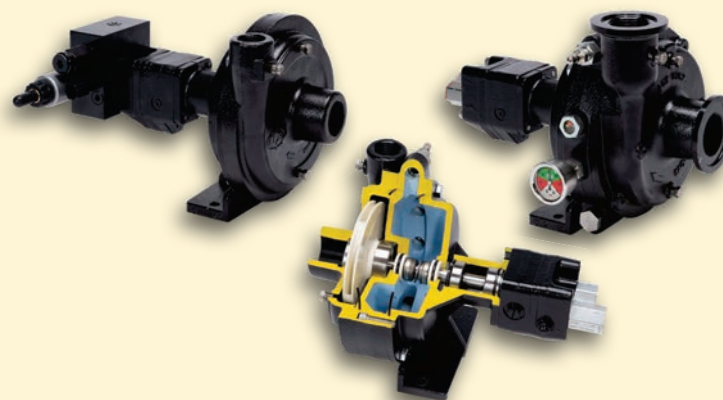
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After winning the ShowStopper Award, the entire New Leader team at MAGIE posed for a photo with the trophy and NL720 unit.

NL720 Spreader Wins 2024 ShowStopper Award

The new spinner unit from New Leader led the way for a pack of new products at this year's MAGIE show.

BY ERIC SFILIGOJ
EDITOR

SINCE 2007, ONE OF THE HIGHLIGHTS OF EVERY Midwest AG Industries Exposition (MAGIE) has been the awarding of the ShowStopper Award. And in 2024, this trophy given to the product that attendees consider “best in show” was a newcomer to the honor, but a long-standing company in the ag equipment world.

For 2024, the ShowStopper Award trophy went to New Leader Manufacturing of Cedar Rapids, IA, for its new NL720 Spinner Spreader. This new offering from the 85-year-old company made its formal market debut at the 2024 MAGIE and attendees agreed the NL720 was a great example of new spreader technology in action.

“It feels great,” said Zach Rissi, Business Development Specialist at New Leader, when talking about the NL720 at the company’s MAGIE following the trophy presentation. “We are super excited about this product and to win this award is a great honor.”

PLENTY OF KEY FEATURES

The NL720 chassis-mounted spinner spreader features a 120-foot spread width to provide a 33% increase in productivity over previous models. The unit is designed with tool-free components, a positive-drive straight belt, a fixed feed gate, an operator inspection platform, and simplified spread-pattern testing. The NL720’s integrated control module offers pushbutton spread width changes, allowing the operator to swap between the full 120-foot swath width and a 70- to 90-foot option for windier conditions or when spreading challenging fertilizer products. In addition, the unit has zero grease points.

Interestingly for a ShowStopper Award winner, 2024 MAGIE attendees could see examples of the NL720 at several company booths at the event. Because of its long-standing partnerships with many key ag equipment makers, these spinner spreaders were featured on spreaders at such diverse booth displays as Jenner Ag (which featured Case IH equipment), Fendt/AGCO, and RBR Enterprise.

Now that the NL720 has made its formal market debut at the 2024 MAGIE, ag equipment users should expect these spinner spreaders to begin showing up across crop fields throughout the 2024 fall and 2025 spring fertilizer application seasons.

“Folks who want to find out more about the NL720 should visit our website, newleader.com,” said Rissi. **IRON**



The ShowStopper Winners for 2024. Pictured from left: CropLife IRON’s Eric Sfiligoj, New Leader’s Zach Rissi and Benjamin Boelter, and Illinois Fertilizer & Chemical Association’s Kevin “K.J.” Johnson.



The positive drive belts on the NL720 require minimal maintenance, according to the company.



A close-up of the spinners on the NL720.




The NL720 features dual bins, allowing for two product applications.



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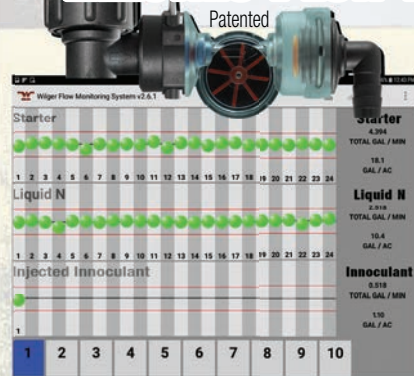
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