

John Deere Self-Propelled Application Equipment

Complete line of sprayers and new high capacity nutrient applicator



The New F4365 Applicator and the R4045, R4038, R4030 and R4023 Sprayers

SOLUTIONS THAT APPLY COMPLETE LINE OF SELF-PROPELLED APPLICATION EQUIPMENT

The news is out. And it's big. Meet the all-new F4365 High Capacity Nutrient Applicator. When we say big, we mean a higher capacity 330 cu-ft (9.3 cu m) dry spinner spreader capable of 60- to 90-ft (18.3 m to 27.4 m) spread widths for N, P, K or lime to help you meet tight application windows in early spring and late fall.

But it's the first-rate ride quality that really sets the new F4365 apart, helping you or your operators stay focused and more productive throughout the day. More and more operators are praising its comfort and ease of use. Great news spreads fast.

The F4365 now complements our full line of self-propelled sprayers. Choose from four models to match your needs for capacity, tank size, boom width, power and loading.

It's all here. Everything you need to apply. One of the industry's most comprehensive equipment lines. The latest precision ag technology, all fully integrated. Smart time- and money-saving solutions. Secure, open, insightful data management. And the parts, service and support you expect only from your John Deere dealer.

Size up the right John Deere sprayer for you.

Model	Engine hp	Solution capacity	Boom width
R4023	173 (129 kW)	600 gallons (2300L)	Up to 90 feet (27.4 m)
R4030	280 (209 kW)	800 gallons (3000L)	Up to 120 feet (36.6 m)
R4038	310 (231 kW)	1,000 gallons (3800L)	Up to 120 feet (36.6 m)
R4045	346 (258 kW)	1,200 gallons (4500L)	Up to 120 feet (36.6 m)

CONTENTS

New F4365 High Capacity Nutrient Applicator

Features/benefits..... 4-7

R4030, R4038, R4045

CommandView™ II PLUS Cab..... 8-9

Suspension and wheels..... 10-11

Solution systems..... 12-13

Booms..... 14-15

PowerTech™ PSS Engines..... 16-17

Dry spinner spreaders..... 18-19

R4023

Features/benefits..... 20-21

Integrated technologies..... 22-23

New AutoTrac™ hands-free guidance systems

..... 24-25

Remote Support 26-27

Parts/attachments..... 28-29

Sprayer specifications 30-31



New F4365 High Capacity Nutrient Applicator



R4045 Sprayer



R4038 Sprayer



R4030 Sprayer



R4023 Sprayer

GREAT NEWS SPREADS FAST

Introducing the all-new F4365 High Capacity Nutrient Applicator

Spread the word. The new F4365 from John Deere is here.

Improved ride quality. The ride quality is the first thing operators are praising about the F4365. How much better is it? More than 30% better than the leading competitive 4-wheel machine according to test results. With so much extra comfort and ease of use, you'll see a boost in productivity.

Big capacity. The higher-capacity 330 cu-ft (9.3 cu m) dry spinner spreader is capable of 60- to 90-ft (18.3 m to 27.4 m) spread widths. That's perfect for delivering higher volumes of N, P, K and lime to replenish the soil. As application windows in early spring and late fall keep getting tighter, the F4365 helps you cover more acres in less time.

Ease of use and fingertip control. Step inside and you'll see our top-of-the-line CommandView™ III cab, the same spacious office found in our bigger tractors. With industry-best visibility and roominess, the quiet cab gives operators a productivity boost during long days.

More productivity. Take a seat by the smartly configured CommandARM™ for fingertip control. Capture, manage and transfer data more efficiently

with the 4600 CommandCenter™ display. And through our updated SpreadStar™ application, you can manage application rates of dry fertilizer, lime and micronutrients for up to four bins. All important information is displayed on one screen, including AutoTrac™ guidance, dry spinner spreader details, and variable-rate and coverage maps.

Added all together, you can finish dollars ahead by spreading more acres in less time. This news is so big, you've got to experience the all-new F4365 for yourself. Ask your John Deere Dealer for a demo.





F4365	
ENGINE	
Make	John Deere PowerTech™ PSS 9.0L
Peak rated power	365 hp (272 kW) – 9.0 L FT4
Power bulge	400 hp (298 kW)
Fuel tank capacity	150 gal. (567L)
DRY SPINNER SPREADER	
Capacity, cubic feet	330 cu. ft. (9.34 cu. m.)
Configurations	1-4 bins
Spread widths	60-90 ft. (18-27 m.)
Material	304 Stainless or 409 Painted Stainless
Precision ag equipment	4600 CommandCenter™ Display
Rate control	SpreadStar™
DRIVETRAIN	
Transmission	Infinitely Variable Transmission (IVT™)
Drive	2 wheel drive
Application speed	30 mph (48 kph)
Transport speed	46 mph (74 kph)
CHASSIS	
Suspension	Leaf spring with front dampers
Brakes	Air brakes
Turning radius	39 ft. (10.5 m.)
Base tires	Alliance 750/50R26 front tires and 1050/50R32 rear tires
Optional tires	Michelin 750/50R26 front tires and 1050/50R32 rear tires
Ladder raise/lower	Hydraulic
Total empty weight with single bin	31,000 lb. (14,061 kg)
OPTIONS	
Operator station	CommandView III Cab (standard or premium)
Lighting	Halogen or LED



JOHN DEERE

F130



Spread N, P and K

At rates from 50 lbs. (22.7 kg) an acre up to 1,100 lbs. (499 kg) an acre N, P, K, and lime as high as 6,600 lbs. (2994 kg) an acre to fit specific needs. Plus, you'll see a choice of dry spinner spreader configurations to allow you to apply up to four different products at once.



Industry-proven AxleTech™ axles

Durable enough to support the heaviest loads of product over tough terrain.



Rugged chassis

Built to handle challenging terrain whether you're applying 300 lbs./A (336.3 kg/ha) on flat, dry land at 20 mph (32.2 km/h) or 1100 lbs./A (1233 kg/ha) on hilly, chisel-plowed ground at 10 mph (16.1 km/h).



John Deere Precision Ag

Tying together machine control with data and fleet management for greater productivity.

R4030 | R4038 | R4045

I run in smart comfort.

CommandView™ II PLUS Cab



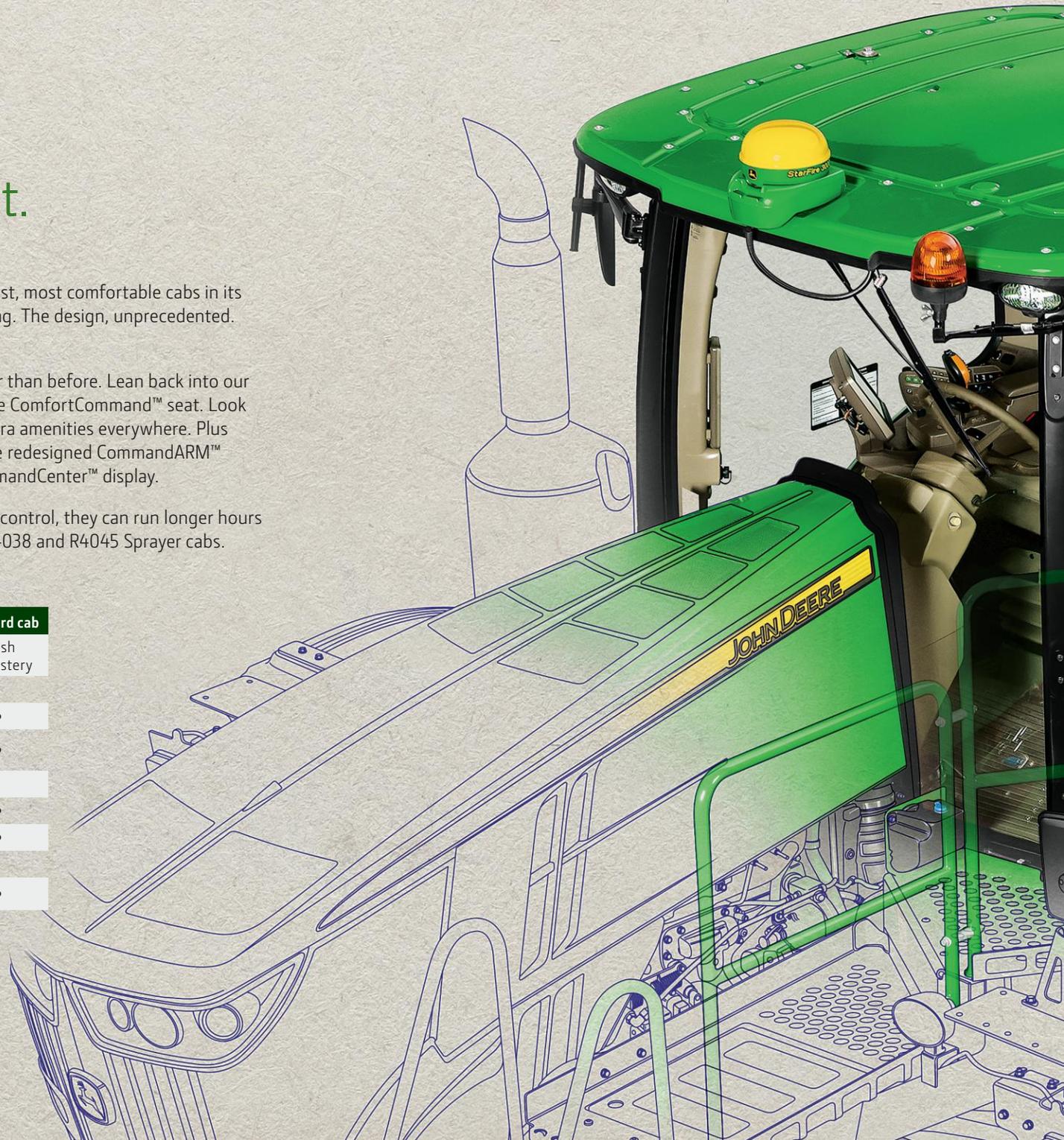
You can even pack your lunch in the optional refrigerator.

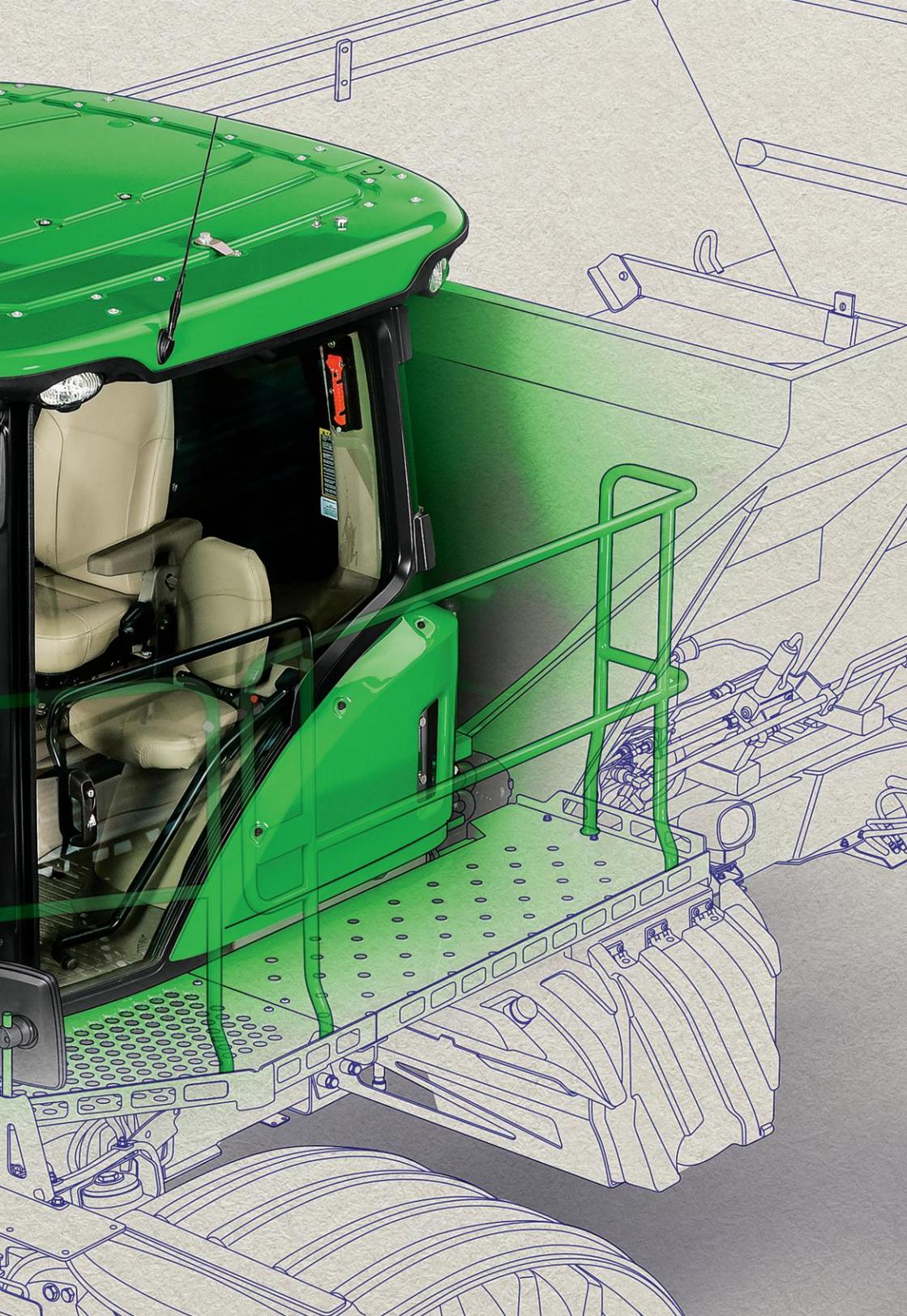
You're looking at one of the smartest, most comfortable cabs in its class. The view inside is breathtaking. The design, unprecedented. The productivity, exceptional.

Step inside the door opening, wider than before. Lean back into our extra-comfortable, easily adjustable ComfortCommand™ seat. Look around, there's more space and extra amenities everywhere. Plus extra easy-to-use controls from the redesigned CommandARM™ with integrated GreenStar™ 3 CommandCenter™ display.

When operators are relaxed and in control, they can run longer hours and get more done. You'll find all these in our R4030, R4038 and R4045 Sprayer cabs. Premium and standard cab options available.

Feature	Premium cab	Standard cab
ComfortCommand seat	Deluxe refined leather	Plush upholstery
Factory-installed instructional seat	•	
Remote radio controls on CommandARM	•	•
Manual temperature controls on CommandARM		•
Automatic temperature control	•	
Reduced cab noise	•	•
Premium sound system with sub-woofer	•	•
Bluetooth® technology	•	
Optional field-installed refrigerator	•	•





CommandView™ II PLUS Cab.

- 1. Wider side door opening for easier access, more glass for greater visibility** and more space to enhance operator comfort and productivity. Cab also features an ergonomically designed hydro handle and cab noise reduction.
- 2. Fully integrated technologies.** You'll find all the latest technology within easy push-button reach, all working together to deliver the most performance and ease of use. Find more details on pages 22-23.
Cruise control. Set the engine speed and hydro handle at maximum positions and the system automatically controls the vehicle to your target speed. Plus, it automatically provides maximum torque when starting from a stop without the need to shift speed ranges.
- 3. ComfortCommand™ seat** is designed for exceptional stability to enhance productivity over bumpy fields — greatly reducing motion, both front-to-back and side-to-side. Seat is made with plush upholstery or choose the deluxe refined leather option. Both deliver outstanding comfort and durability.



R4030 | R4038 | R4045

Smooth, stable ride

That's the only way to run.

This is what riding high looks like. From the moment our sprayers start running, operators will feel a big difference in the ride. It's comfortable. It's smooth and steady. It's easy to maneuver. And it's designed to give your overall productivity a boost.

The ride is one of the best in its class. We've included two proven features to cushion operators from the bumpiest field conditions — a field-proven dual strut independent wheel air-ride suspension and an auto air-spring leveling system. Both mean less operator adjustment in the field and on the road.



Suspension system

The dual strut independent wheel air-ride suspension cushions operators from rough fields to allow faster speeds. The suspension design places two large struts and an air spring at each wheel to isolate operators from rough conditions. Up to 8 in. (20.3 cm) travel space also assures smooth ride.



Auto air-spring leveling system

Glide through your roughest fields and help keep the chassis level at all times, even as the spray tank empties. The chassis, axle and frame components are made from high-strength structural steel to handle rough field conditions.

We've transferred up to nine percent of machine weight (varies by model and boom) to the front axle of the R4030 and R4038 Sprayers to enhance overall weight distribution and deliver better balance on the road and in the fields. Plus, our optional wheel slip control feature lets you run with confidence in mud and soft soil.

You have plenty of tire options, too, with the versatility you need to handle all your field conditions. At the end of the day, a smooth, stable ride lets operators travel faster across the field and cover more acres. And that leads to increased productivity.

Model	Field Speed	Transport Speed
R4030	20 mph (32 km/h)	30 mph (48 km/h)
R4038	25 mph (40 km/h)	35 mph (56 km/h)
R4045	25 mph (40 km/h)	35 mph (56 km/h)



Tire options

Heavy-duty radial tires deliver excellent traction in virtually any field conditions. Row-crop tires (left) deliver an exceptional ride and reduced compaction due to lower inflation pressures and thicker sidewalls. Flotation tires (right) let operators get to the field earlier and extend the use season. Also excellent for use in burndown and pre-emergent operations. *Both row-crop and wide flotation tires are available on all 4 Series Sprayers. In addition, IF and VF tire options are available for reduced field compaction.*

R4030 | R4038 | R4045

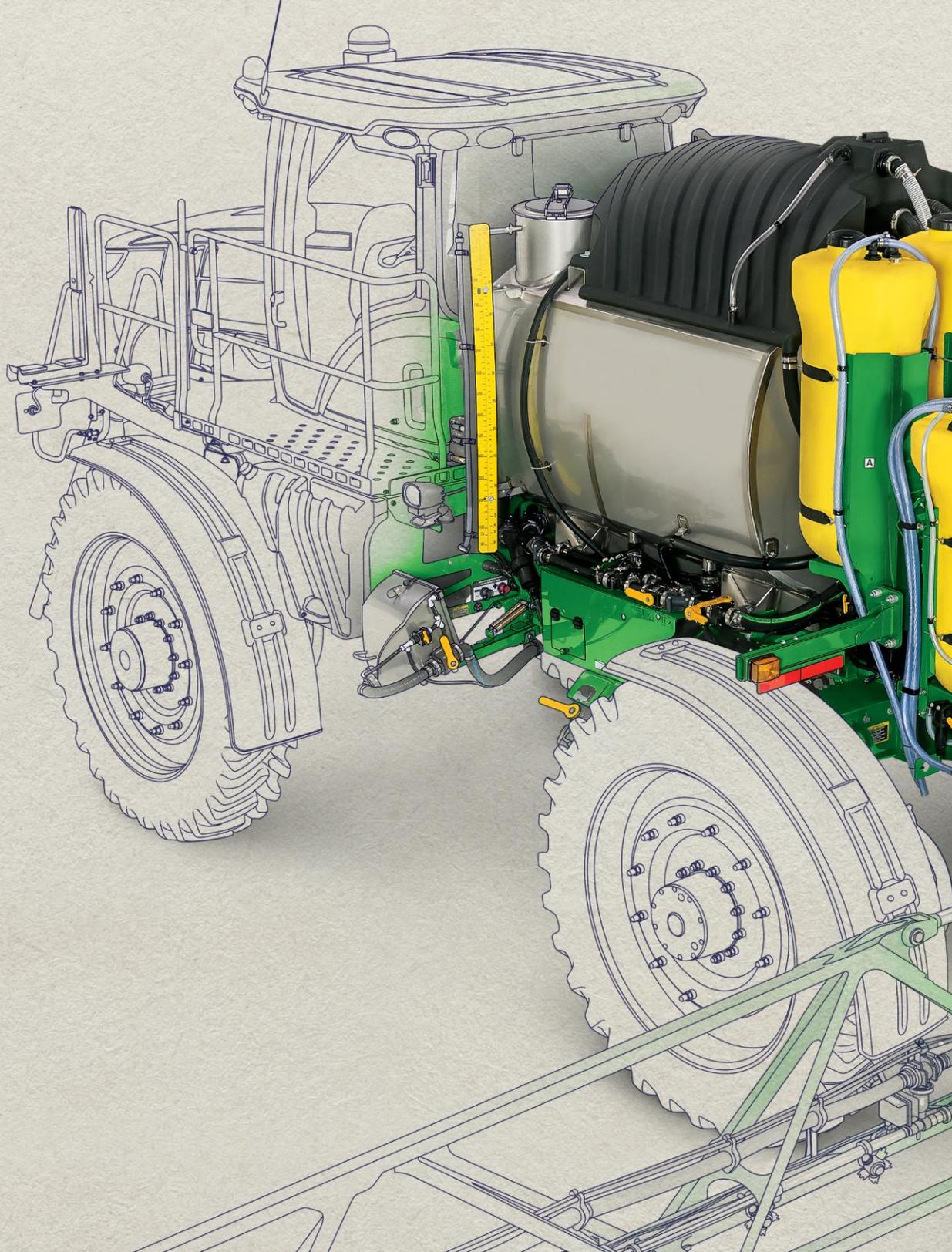
Precise. Efficient.

That's how I run.

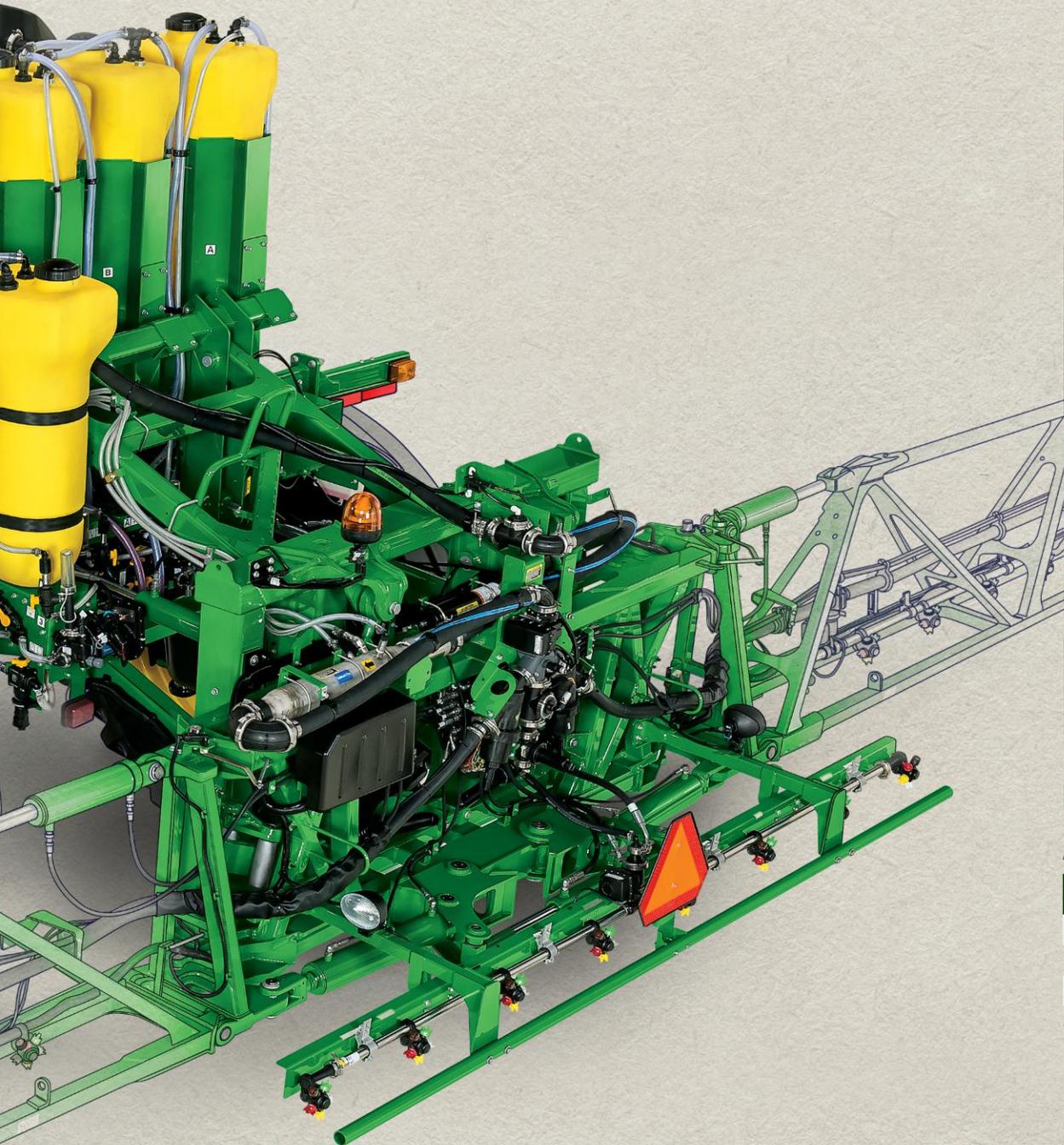
Here's something to get pumped up about. At the very heart of our three larger sprayers lies one of the most efficient and productive solution systems anywhere. Completely redesigned from the ground up with the latest plumbing efficiencies, these sprayers offer higher application rates, extra versatility and faster loading times.

Boost application rates with high-flow pump and flowmeter as high as 230 gallons (870L) per minute with the R4045 Sprayer and up to 225 gallons (850L) per minute with the R4038 Sprayer. Even the standard solution pump and single flowmeter option on the R4030 Sprayer delivers higher flow rates than previous models.

Take control of spraying precision, too. With John Deere Section Control, you spray just the areas you want — eliminating overlaps in the field and saving input costs. It's all automatic. Operators don't need to manually turn individual sections off and on as the sprayer passes through defined field boundaries.



1. For the R4030/R4038/R4045 Sprayers, you can speed up load times with the optional **Solution Command System** for push-button, automated loading that's easy for all operators. 2. The manual loading system is standard.



Exclusive Load Command™ system dramatically cuts loading time on the new R4045 Sprayer only. Load the 1,200-gallon (4500L) tank as fast as three minutes. System automatically disengages when your sprayer tank is full. Plus, there's reduced risk of any product exposure.



Front Fill factory-installed option is available on select 4 Series models to deliver better accessibility and ease of loading to get you back in the field quickly. This feature supports both push-on and pull-on filling, and a simple switch interface lets operators choose which way they would like to fill. Side fill is standard on the 4 Series Sprayers.



Direct Injection system mixes products at lightning speeds, putting your productivity into hyperdrive. Increase flexibility by changing rates and products on the fly without stopping to mix products. The integrated system injects products directly into the system at the boom. The results: quicker changeovers, increased flexibility and lowered risk of using multiple products.



End cap aspirators on the end of each spray section reduce nozzle turn-off time by up to 85% and terminate dead ends that can collect unwanted product residue. Available in both standard- and high-flow plumbing options – or stainless steel or poly options – this feature rids dead end space and allows air to be expelled.

APPLICATION RATES

Model	High-flow pump, dual flowmeter*	Standard-flow pump, single flowmeter
R4030	N/A	Up to 170 gal. (640L) per min.
R4038	Up to 225 gal. (850L) per min.	Up to 170 gal. (640L) per min.
R4045	Up to 230 gal. (870L) per min.	N/A

*Optional equipment for R4038 Sprayer. All advertised rates in chart are measured with water.

R4030 | R4038 | R4045

A boom in performance

You wouldn't run any other way.

With our larger sprayer's redesigned flat-fold booms, operators can spray up to 120 ft. (36 m) wide, covering more acres with fewer passes.

The design is rock solid — taking whatever challenging fields can dish out. Built with a reliable dual swing link suspension, these booms deliver greater stability while delivering consistent height above crop, acre after acre. Optional boom air purge forces air through the boom to help clean out the boom during product changeover.

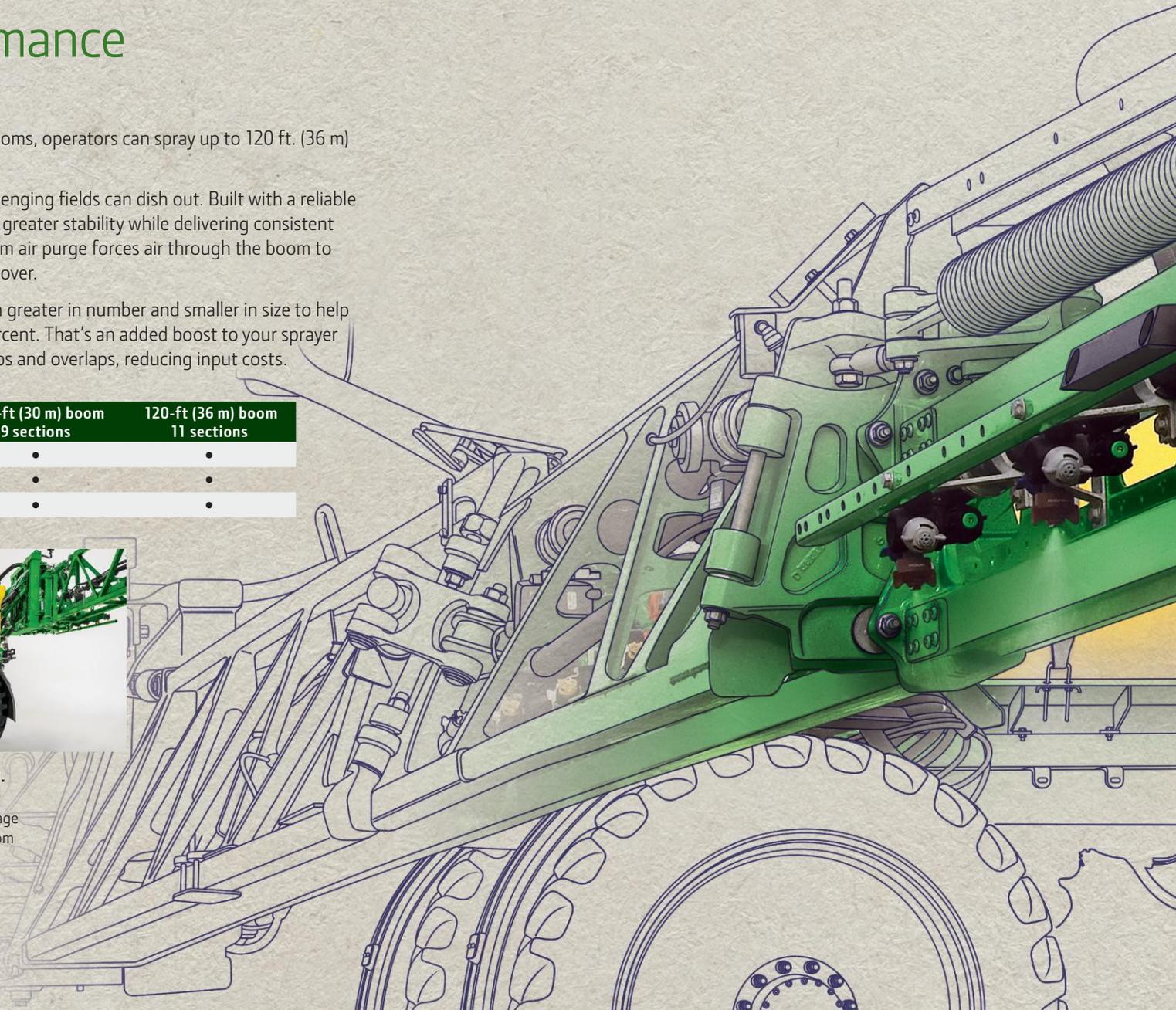
The individual sections along the boom are both greater in number and smaller in size to help boost your spray resolution by more than 33 percent. That's an added boost to your sprayer precision — further decreasing any possible skips and overlaps, reducing input costs.

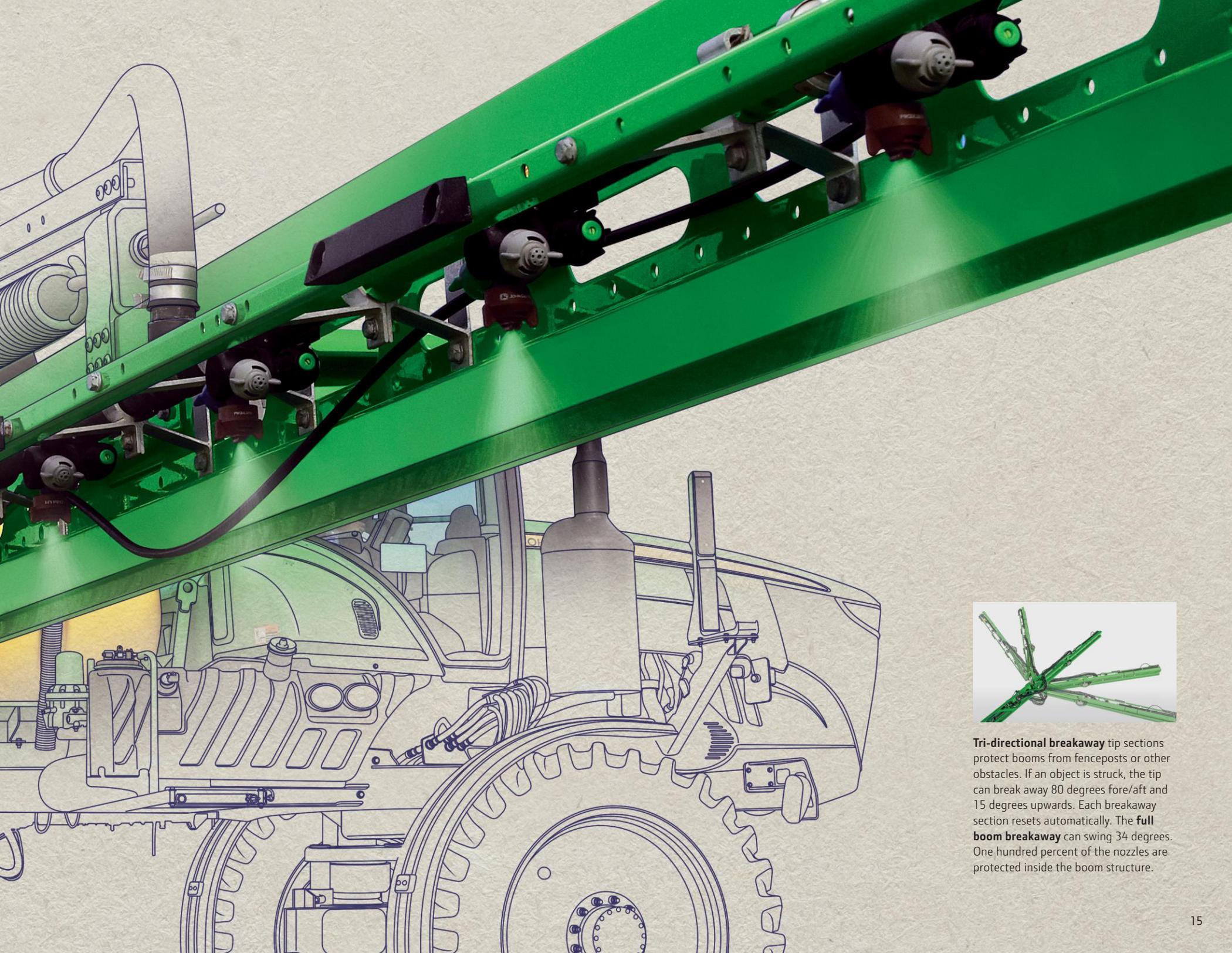
Model	90-ft (27 m) boom 7 sections	100-ft (30 m) boom 9 sections	120-ft (36 m) boom 11 sections
R4030	•	•	•
R4038	•	•	•
R4045	•	•	•



Add BoomTrac Pro™ for automatic boom-height control.

By maintaining correct boom height to target, you'll see improved application accuracy and efficiency, spray coverage and drift management. The boom height adjusts easily from 19 in. (0.5 m) up to 92 in. (2.3 m) to fit your needs.





Tri-directional breakaway tip sections protect booms from fenceposts or other obstacles. If an object is struck, the tip can break away 80 degrees fore/aft and 15 degrees upwards. Each breakaway section resets automatically. The **full boom breakaway** can swing 34 degrees. One hundred percent of the nozzles are protected inside the boom structure.

R4023 | R4030 | R4038 | R4045

More power to you

PowerTech™ Engines from John Deere



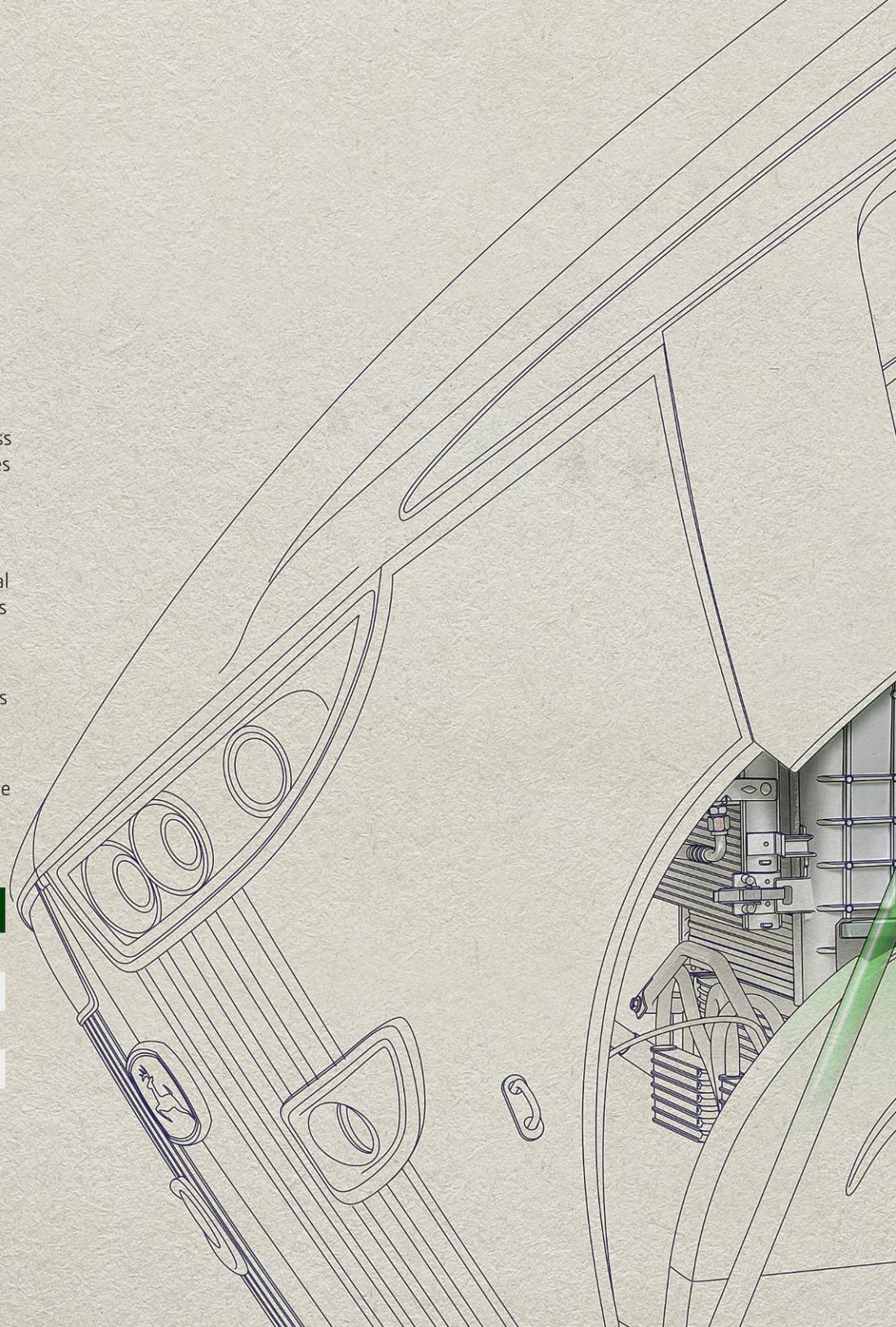
It takes serious horsepower to log serious hours and navigate tough field conditions across thousands of acres. It takes PowerTech™ Engines from John Deere. That's the proven way to run.

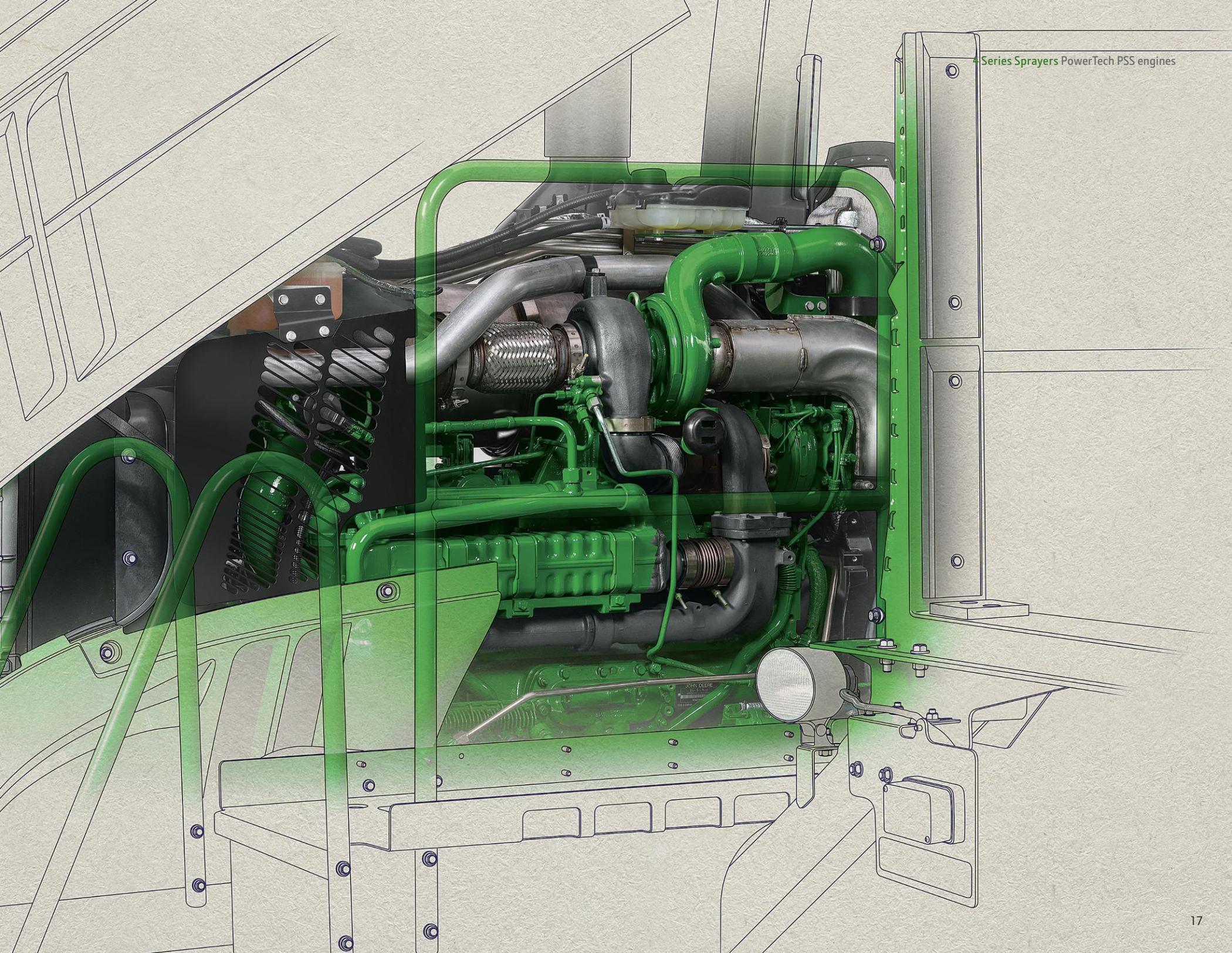
All John Deere Self-Propelled Sprayers perform strong and run lean. Each of our four sprayers feature PowerTech™ PSS engines that meet Final Tier 4 emission requirements. The 9.0L engine is shown to the right.

Featuring two turbochargers — a variable geometry turbocharger (VGT) and a fixed geometry turbocharger — this engine delivers the torque rise and engine responsiveness you need to conquer tough field conditions.

Advanced design features such as a 24-valve cylinder head (four valves per cylinder) give our 4 Series Sprayers plenty of efficient engine power. With all our sprayers, including the R4023, choose from engine horsepower ratings from 173 to 346 hp (129 to 258 kW) to fit your operation.

Model	Engine hp	Power bulge hp	Working RPM	Displacement	Fuel tank capacity
R4023	173 (129 kW)	182 (136 kW)	2400 rpm	275 cu. in. (4.5L)	82 gal. (310L)
R4030	280 (209 kW)	300 (224 kW)	2400 rpm	414 cu. in. (6.8L)	130 gal. (492L)
R4038	310 (231 kW)	330 (246 kW)	2250 rpm	549 cu. in. (9.0L)	155 gal. (587L)
R4045	346 (258 kW)	379 (283 kW)	2250 rpm	549 cu. in. (9.0L)	155 gal. (587L)





R4030 | R4038 | R4045

Run three seasons with dry spinner spreaders

Add revenue without adding machines.

You can expand your productivity to three seasons and boost your annual operating returns from each machine. We can complement your fleet to meet peak demand with machines that are ready to perform when the demand is greatest.

Choose from two capacities for a perfect fit: the New Leader NL200G4 (200 cu. ft. or 5.6 cu. m) or the larger New Leader NL300G4 (300 cu. ft. or 8.5 cu. m) available only for the R4045 Sprayer.

The G4 spinner assembly broadcasts crop nutrients faster, wider and more evenly than before in every pass. With a single bin configuration, material can be spread up to 105 ft. (32 m) – far wider than most competitors. For customers looking for dual product application, an optional 304 cu. ft. stainless steel dual bin is available on both sizes. The dual hopper system features two independent conveyers that can simultaneously apply two products at different rates at widths up to 84 ft (25.6 m). Single and MultiApplier setups allow nutrients to be spread at predetermined rates or variable-rate applications to fit your operation's needs. Ask your John Deere dealer for details.



With the NL300G4, you can apply at rates as low as 50 lbs./acre (56kg/hectare) up to 1,100 lbs./acre (1232kg/hectare) and still maintain an accurate spread pattern up to 105 ft. (32 m).



Keep spreading in the field longer. Load up to 10 tons (9072 kg) of product in the NL300G4 hopper, available on the R4045 Sprayer. With the NL200G4 hopper, load up to 6.6 tons (6000 kg) of product.



Spinner heights will vary slightly depending upon chassis and tires.



Dry Spinner Spreader Specifications

Dry application system	NL200G4	NL300G4
Sprayer compatible	R4045/R4038/R4030	R4045
Product spread	Dry fertilizer or lime*	Dry fertilizer
Capacity - no second product bin	200 cubic feet (5.6 cu. m)	300 cu.ft. (8.5 cu. m)
Capacity - with second product bin	108 cubic feet (3.1 cu. m)	163 cubic feet (4.6 cu. m)
Capacity - second product bin	66 cubic feet (1.9 cu. m)	106 cubic feet (3.0 cu. m)
Drybox material	304 or Painted 409 Stainless Steel	304 or Painted 409 Stainless Steel
Spinner disc diameter	24 inches (61.0 cm)	24 inches (61.0 cm)
Fins per disc	4	4
Second product bin	Optional	Optional
Feedgate height	5 inches (12.7 cm) R4045 11 inches (27.9 cm)	5 inches (12.7 cm)
Rate control make	SpreadStar™	SpreadStar™
Body length	132 inches (335.3 cm)	132 inches (335.3 cm)
Body length of second bin insert	60 inches (152.4 cm)	60 inches (152.4 cm)
Estimated weight	3,240 lbs. (1467 kg)	3,740 lbs (1696 kg)
Spread pattern width with single product bin	60-105 ft. (18 m-32 m)	60-105 ft. (18 m-32 m)
Spread pattern width with second product bin	60-84 ft. (18 m-25 m)	60-84 ft. (18 m-25 m)

*Lime approved on the R4045 only.

ALL-DAY COMFORT THE R4023 SPRAYER.

When application windows are tight and the hours are long, our cab keeps you at the top of your game in round-the-clock comfort. Ask your John Deere dealer for details on the R4023, perfectly sized for smaller, odd-shaped fields.

Take a seat in one of the most comfortable seats in the business. The all-leather, heated, ventilated seat features nine vertical and lateral adjustments, back support and a larger seat cushion than before.

One of the first things you'll notice is how quiet the cab is. Sound suppression enhancements include a noise-reducing hydro-drive plate, cab insulation, gaskets and isolators to help you get away from it all.

Next, glance down and be amazed at the crisp clarity of the high-resolution 10-inch GreenStar™ 3 CommandCenter™ display. Rest your arm on the smartly configured CommandARM™ for fingertip control of important functions. Cornerpost display gives you key machine information at a glance.

Fire up the deluxe first-class stereo system with 4" x 6" speakers and a subwoofer for all-day listening pleasure.

Need to make some calls to keep your operation in check? Make them hands-free with integrated BlueTooth® technology.

Other convenience features include a 12-volt power port for your devices, an electronic adjustable right-side mirror for clear view to the rear of the sprayer, a front pull-down sunshade and three cupholders for your favorite beverage — all to help you feel more relaxed and get more done.



*All statements and image reflect premium cab only.
Bluetooth is a registered trademark of Bluetooth SIG, Inc.*





In designing the R4023 Sprayer, our engineers made several enhancements in operator comfort plus engine power and efficiency, but kept all of the advantages and dimensions that made our former model a market leader.

A 600-gallon (2300L) tank capacity designed with the size you need for your smaller, irregular-shaped fields.

80 ft. (24 m) or 90 ft. (27.4 m) booms you can fold to 60 ft. (18 m) for tighter field conditions. Strong 3D boom design gives the boom exceptional strength to resist fore-aft loads generated by starts, stops and turns, as well as demanding loads caused by folding and unfolding operations.

Trailer-ready adds to this sprayer's flexibility. The compact size lets you easily haul the R4023 on a trailer to get from field to field. And, you can easily store it in smaller buildings.

Unmatched precision integration eliminates the need for multiple displays. The R4023 Sprayer comes standard with a GreenStar™ 3 2630 Display — your portal to an unrivaled array of more high-precision features.

John Deere integrated technologies help you with the challenges of balancing the right sprayer adjustments all day for peak efficiency. The sprayer-specific CommandARM™ is coupled with JDLink™ Connect capability and high-tech

sprayer features like SprayStar™, John Deere Section Control, BoomTrac™ Pro and Boom Return to Height.

Soft Shock option is ideal for spraying in rougher terrain such as no-till or strip-tilled fields. It's built to absorb the forces these rough terrains can generate, ensuring a smooth ride and accurate spray patterns up to 20 mph (32.2 km/hr).

Auto-leveling package is standard on the R4023 to maintain the optimum inflation pressure in the air springs to deliver maximum control in varying field conditions.

Reduced field compaction. The R4023 features an IF tire option for the 380 and 320 tires to deliver a bigger footprint and less compaction through lower inflation pressures.

Two axle options – wide or narrow – let you choose the tread spacing that's right for your operation. These minimize compaction and provide flexibility to match the row crop spacings to your specific crop.



Final Tier 4 engine

Look under the hood and you'll see a 4.5L engine rated at 173 hp (129 kW). We've designed this engine to boost power 5 percent more than our former model. Plus, it's designed to increase power bulge from 173 to 182 hp (136 kW) with a 10% gain in peak torque. That's dependable power in harsh conditions to let you spray at higher speeds than before.



The next generation of fully integrated technologies

You're looking at the latest advances in technology — all fully integrated to deliver the most performance and cover more acres in your day. Everything you see here has been designed for peak efficiency and precision.



Direct Injection lets you accurately inject products into the carrier flow without having to mix products into the solution tank. Increase flexibility by changing rates and products on the fly without stopping to mix products. The integrated system injects products directly into the system at the boom. The results: quicker changeovers, increased flexibility and lowered risk of using multiple products. Available as a field-installed option for R4030, R4038 and R4045 Sprayers.



SprayStar™ and SpreadStar™ variable rate controller adjusts to ground speed, target rate and more to make sure you're applying at the rate you need. Using existing field boundary maps or the previous year's yield data, it executes custom prescription applications quickly and easily with the GreenStar™ 3 2630 Display. Base equipment on 4 Series Sprayers.



BoomTrac Pro™ automatic boom height sensing system maintains the boom at a consistent height above the crop, allowing you to focus on vital machine functions. Available as a factory- and field-installed option. Available on all 4 Series Sprayers.



John Deere Mobile Weather provides instant, field-specific, on-the-go weather information to help you make the most of your application effectiveness.

AgLogic™ automated work order system helps you manage and improve the productivity of your entire fleet, even non-John Deere machines, from any computer with Internet access. Put everyone on the same page with less paperwork, fewer phone calls and less hassle. Now available on a bigger-screen Android™ tablet.

Android™ is a trademark of Google Inc.

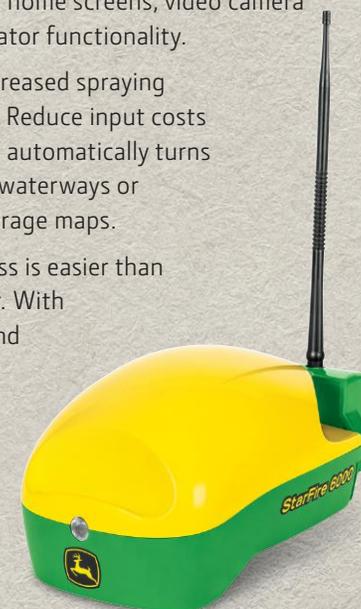


GreenStar™ 3 2630 Display: the command center of your sprayer

All of our precision technologies are fully integrated and accessible through the GreenStar 3 2630 Display with addition of a StarFire™ 6000 Receiver. With its user-friendly touchscreen and ISOBUS compatibility, the GS3 2630 comes with applications such as Field Documentation, Map-Based Prescriptions and on-screen mapping. And it can help your operators stay productive with multiple home screens, video camera inputs, operator lock-outs and field locator functionality.

Add AutoTrac™ Assisted Steering for increased spraying accuracy and reduced operator fatigue. Reduce input costs with John Deere Section Control, which automatically turns boom sections on and off at turnrows, waterways or previously-sprayed areas based on coverage maps.

And now information transfer and access is easier than ever before with Wireless Data Transfer. With JDLink™ Connect, you can wirelessly send prescriptions from your MyJohnDeere account to your sprayers. The result? Better data input, easier information access and more time spent getting work done.



THE ANSWER TO ROW RAGE

Introducing all-new AutoTrac™ sprayer guidance systems

It happens to the best of operators steering by hand. You get distracted. You run over crops. You feel fatigued and frustrated. You run slow. You feel stress so severe it can reach the breaking point – *Row Rage*.

How costly is operator Row Rage? Running over the row for even one second at 15 mph will take out more than 90 corn plants. Imagine how that can add up over a day. Not anymore. New from John Deere: two hands-free guidance systems to help any 4 Series Sprayer stay on track without taking out crops or wearing out operators.

AutoTrac™ Vision uses a front-mounted camera to see early-season corn, soybeans and cotton at least 6 inches (15 cm) high. An industry exclusive from John Deere.

AutoTrac RowSense™ uses a paddle sensor mounted on the sprayer's front wheels to *feel* mature cornstalks in late-season rows. Currently approved for 30-inch corn rows only.

Both guidance systems help sprayer wheels stay in the center of each row and dramatically reduce yield-robbing crop damage, even if planter drift causes misalignment or the AB line from planting isn't available at spraying.

With both systems, operators can spray faster with less fatigue – especially valuable in tight application windows. Increasing sprayer speed from 14 to 18 mph (22.5 to 29 km/h) can allow an operator to cover 20% more acres every day. Plus, both systems dramatically reduce yield-robbing crop damage.

Both guidance solutions help sprayer operators of *all* experience levels do their jobs with higher productivity because they can better focus on other things besides steering.



With **AutoTrac Vision**, operators see a graphic overlay with detailed information in real-time showing crop rows (green) and the center of each row (white dashes). The result: guidance performance you can trust.





⚠ DANGER
To avoid injury or death, do not attempt moving or operating this tractor.

JOHN DEERE

Rate 1 8.5 gal/ac
Rate 2 10.0 gal/ac
Rate 3 12.5 gal/ac

0.0 gal/ac

1025 (gal)

BoomTrac Pro

L5	L4	L3	L2	L1	C	R1	R2	R3
0					67		0	

(in)



Better application is now in your sight.

When it's time to spray, there's no time for downtime. And that's how your John Deere dealer can help. Talk to your dealer about what you need to keep you spraying. Whether that's operator training, sprayer or display setup, proactive maintenance, or data management, your dealer is there for you.

And now with John Deere Operations Center, it's never been easier to get prescriptions onto your sprayer. With Wireless Data Transfer, you can wirelessly move information between your sprayer and your MyJohnDeere account. When you're done, it'll be waiting for you, to analyze so you can make improvements or to share with your crop advisor.

Remote support for more uptime

You've got a big job to do and a tight window to do it all in. Your dealer can help minimize downtime through remote support. By using tools like JDLink™ Connect, Remote Display Access and Service ADVISOR™ Remote, your dealer can potentially save you a service call and get you running again more quickly.

JDLink™ Connect lets you stay informed with machine logistics, receive real-time alerts and keep preventative-maintenance tabs on your machines, all from your office or mobile device. All new models come with one-year of free* subscription to JDLink service.

Remote Display Access lets you check your machine diagnostics, allowing owners, managers and even dealers (with your permission) the ability to view the operator's display remotely. This will save a trip to the field to help operators, getting them back to work faster.

Service ADVISOR™ Remote with JDLink helps reduce downtime with your John Deere dealer's help. Your dealer can warn you of any potential problems with your machine and start working on a solution by saving technician's travel time, expense and also help reduce downtime for your operation.



“I was back running in 15 minutes.”

— Johnny Verell, Jackson, Tennessee

A rainy spring had Johnny Verell worried he wouldn't get his wheat fertilized. With his dealer an hour away, a set-up issue wasn't something he had time to wait on. With his John Deere sprayer and remote support capabilities available from his dealer, he was able to get the problem solved and get back to spraying within 15 minutes. See this and other real stories on JohnDeere.com/RealStories.

*In-base subscription to JDLink™ expires one year from the date of activation for any qualifying sprayer. To continue with JDLink™ service at the end of the first year, please visit www.StellarSupport.com or your John Deere Dealer.



to your bottom line

John Deere performance parts and attachments are more than “nice to have” options. They make good business sense – saving you time, helping you protect your sprayer investment, boosting your efficiency, and making you more comfortable in the cab – so you can stay in the field longer. Check out the optional time- and money-saving parts and attachments for your John Deere sprayer. Then see your dealer for details on these productivity boosters and many more.



Technozzlegy™ (tek-noz'-uhl-jee) The next generation of sprayer nozzle performance

John Deere is redefining sprayer performance and accuracy with a concept so advanced we're calling it Technozzlegy. Engineered for pinpoint accuracy, each nozzle reaches the exact part of the plant you're aiming at for every application: fertilizer, herbicide, fungicide and insecticide. Ask your John Deere dealer for details. *For all 4 Series Sprayers.*



Fencerow spray nozzle kit

Increase your spraying coverage along fencerows with this kit. The XT nozzle helps you cover an additional 16.5 ft (5.03 m). It's as easy as flipping a switch in the cab. Spray nozzles sold separately. *For all 4 Series Sprayers.*



QuickLub® (Lincoln Lube) automatic lubrication system

Stay in the field longer, and spray with confidence with QuickLub. This kit automatically meters the right amount of grease to the chassis and boom. By purging contaminants, this kit delivers excellent lubrication of wear surfaces and a solid grease seal for extra protection. *For all 4 Series Sprayers.*



Boom air purge conversion

During product changeover, the boom air purge conversion forces air through the boom to help clean it out. Activated via the GreenStar™ display. *For R4030, R4038 and R4045 Sprayers.*



Beacon light

Expand machine visibility with this rotating, high-intensity light encased in an amber-colored safety lens. *For all 4 Series Sprayers.*



Flotation tires

Extend the use season and get in the field earlier. Excellent for use in burn down and pre-emerge operations, and when fields are soft or wet. *For specific sizes, please refer to specifications chart on page 27.*



Direct Injection

Now you can accurately inject product into the carrier flow without having to mix products in the solution tank. That means no more rinsing the tank prior to switching products – ever. The results are easier changeover between crops, faster loading times, and fewer wasted products. *For R4030, R4038 and R4045 Sprayers.*



Refrigerator

Improve operator comfort and convenience with our handy refrigerator. Provides ample cooling capacity to keep food and beverages fresh. *For R4030, R4038 and R4045 Sprayers. Field-installed for MY15 and newer machines; not available for MY14.*



Underframe shields

Simply mount these shields to the underside of the chassis to help protect your crop from entanglement in vehicle components. Shields are mounted on hinges to allow quick, easy access to vehicle components. *For all 4 Series Sprayers.*

Specifications



R4045 Sprayer



30 R4038 Sprayer



R4030 Sprayer



R4023 Sprayer

	R4023	R4030	R4038	R4045
ENGINE				
Make	John Deere PowerTech™ Plus 4.5L	John Deere PowerTech™ PSS 6.8L	John Deere PowerTech™ PSS 9.0L	John Deere PowerTech™ PSS 9.0L
Peak rated power	173 hp (129 kW) - 4.5L – Tier 4	280 hp (209 kW) - 6.8 L – Tier 2 or FT4	310 hp (231 kW) - 9.0L – Tier 2 or FT4	346 hp (258 kW) - 9.0 L – Tier 2 or FT4
Power bulge	182 hp (136 kW)	300 hp (224 kW)	330 hp (246 kW)	379 hp (283 kW)
Displacement	275 cu. in. (4.5L)	414 cu. in. (6.8L)	549 cu. in. (9.0L)	549 cu. in. (9.0L)
Fuel tank capacity	82 gal. (310L)	130 gal. (492L)	155 gal. (586L)	155 gal. (586L)
SOLUTION SYSTEM				
Capacity, U.S. gallon (l)	600 gal. (2300L)	800 gal. (3000L)	1,000 gal. (3800L)	1,200 gal. (4500L)
Tank material	Polyethylene	Stainless steel or polyethylene	Stainless steel	Stainless steel
Rinse tank capacity	70 gal. (265L)	120 gal. (454L)	120 gal. (454L)	170 gal. (646L)
Quick Fill™ size	2 in. (5 cm) Side-Mount	3 in. (7.6 cm) Side-Mount; Optional 3-in. Front Fill	3 in. (7.6 cm) Side-Mount; Optional 3-in. Front Fill	3 in. (7.6 cm) Side-Mount; Optional 3-in. Front Fill or Optional LoadCommand
Rate control make	SprayStar™ System	SprayStar™ System	SprayStar™ System	SprayStar™ System
Precision ag equipment	GreenStar™ 3 2630 Display	GreenStar™ 3 2630 Display	GreenStar™ 3 2630 Display	GreenStar™ 3 2630 Display
Suction strainer	16 mesh	20 mesh	20 mesh	20 mesh
Pressure strainer	50 mesh	50 mesh	50 mesh	50 mesh
Boom strainer	80 mesh	80 mesh	80 mesh	80 mesh
BOOM				
Boom width options	60, 80, 90 (18.2, 24.3, 27.4 m)	90, 100, 120 ft. (27, 30, 36 m)	90, 100, 120 ft. (27, 30, 36 m)	90, 100, 120 ft. (27, 30, 36 m)
Plumbing material	Polypropylene pipe	Stainless steel (polypropylene optional)	Stainless steel (polypropylene optional)	Stainless steel (polypropylene optional)
Ground height adjustment	15-76 in. (38-193 cm)	19.6- 96.5 in (50-245 cm)*	19.6- 96.5 in (50-245 cm)*	19.6- 96.5 in (50-245 cm)*
Breakaway length	6 ft. (1.82 m)	Tip-10.8 ft. (3.3 m) & Full Boom Breakaway	Tip-10.8 ft. (3.3 m) & Full Boom Breakaway	Tip-10.8 ft. (3.3 m) & Full Boom Breakaway
Boom sections	7	7, 9, 11	7, 9, 11	7, 9, 11
DRIVETRAIN				
Type	Hydrostatic	Hydrostatic	Hydrostatic	Hydrostatic
Drive	Full-time 4WD	Full-time 4WD	Full-time 4WD	Full-time 4WD
Shifting	Electrohydraulic	Electrohydraulic	Electrohydraulic	Electrohydraulic
Hydraulic reservoir capacity	16 gal. (60L)	26 gal. (98.4L)	26 gal. (98.4L)	26 gal. (98.4L)
Spray speed	20 mph (32.2 km/h)	20 mph (32 km/h)	25 mph (40 km/h)	25 mph (40 km/h)
Transport speed	27 mph (43.5 km/h)	30 mph (48 km/h)	35 mph (56 km/h)	35 mph (56 km/h)
CHASSIS				
Dry spinner spreader compatible	N/A	NL200G4 -200 cu. ft (5.7 cu. m)	NL200G4 -200 cu. ft (5.7 cu. m)	NL200G4 & NL300G4 - 200 or 300 cu. ft (5.7 to 8.5 cu m)
Suspension	Air bag/shock suspended axles	Dual strut independent wheel air-ride suspension	Dual strut independent wheel air-ride suspension	Dual strut independent wheel air-ride suspension
Ground clearance with standard tires	50 in. (127 cm)	60 in. (152 cm)	60 in. (152 cm)	58 in. (147 cm)
TIRES				
Factory-installed	IF320/80R42, 380/80R38, IF380/80R38, 420/85R34	320/90R46, IF320/90R46, 380/90R46, IF380/90R46, VF380/90R46, IF420/80R46	IF320/90R46, IF380/90R46, VF380/90R46, IF420/80R46	IF380/105R50, VF420/95R50, 480/80R50
Options	IF320/80R42, 380/80R38, IF380/80R38, 420/85R34	IF320/90R46, 380/90R46, IF380/90R46, VF380/90R46, IF420/80R46, 520/85R38, 620/70R38	IF320/90R46, IF380/R46, VF380/90R46, IF420/80R46, 520/85R38, 620/70R38	IF380/105R50, VF420/95R50, 480/80R50, 620/70R46, IF800/55R46
Tread adjust	90-120 in. (228-305 cm), Wide 72-88 in. (183-224 cm), Narrow	Hydraulic 120-160 in. (305-406 cm) tire size	Hydraulic 120-160 in. (305-406 cm) tire size	Hydraulic 120-160 in. (305-406 cm) tire size
Turning radius	16.0 ft. (4.9 m)	28.5 ft. (8.7 m)	28.5 ft. (8.7 m)	28.5 ft. (8.7 m)
Parking brake	Spring-engaged, hydraulic-disengaged disk pack	Hydrostatic	Hydrostatic	Hydrostatic
Ladder raise/lower	Hydraulic	Hydraulic	Hydraulic	Hydraulic
Total dry weight with 80 ft. boom	18,165 lbs. (8,240 kg)	N/A	N/A	N/A
Total dry weight with 90 ft. boom	N/A	29,810 lbs. (13,550 Kg)	30,833 lbs. (14,015 Kg)	35,350 lbs. (16,068 Kg)
Total dry weight with 100 ft. boom	N/A	29,986 lbs. (13,630 Kg)	30,998 lbs. (14,090 Kg)	35,521 lbs. (16,146 Kg)
Total dry weight with 120 ft. boom	N/A	30,558 lbs. (13,890 Kg)	31,559 lbs. (14,345 Kg)	36,080 lbs. (16,400 Kg)
OPTIONS				
Air compressor	On Board Air Standard	On Board Air Standard	On Board Air Standard	On Board Air Standard
Foam marker compatibility	Injection Foamer	Injection Foamer	Injection Foamer	Injection Foamer
Chemical eductor	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Operator Station	Standard Cab or Premium Cab	CommandView II PLUS Cab (Standard or Premium)	CommandView II PLUS Cab (Standard or Premium)	CommandView II PLUS Cab (Standard or Premium)
Direct Injection	N/A	Up to 135-gal. (510L); 2-product	Up to 135-gal. (510L); 2-product	Up to 235-gal. (890L) ; 3-product

*Will vary depending on machine configuration (tires, suspension settings, tank size, boom size, Direct Inject, nozzle tip used, tanks empty/full).
Specifications and design subject to change without notice.

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