

# Your Sprayer, UPGRADED

## PRECISION UPGRADES

### See & Spray™ Select NEW

- A one-time purchase with unlimited usage for fallow acres
- See, target, and kill weeds using advanced cameras and machine learning
- Select targeted or broadcast applications
- An average 77% herbicide savings<sup>1</sup>
- Reduce water usage and tender stops<sup>1</sup>
- With purchase of an annual license, gain real-time variable rate capability off of detected green biomass, allowing you to spray product where it's needed most
- Delivers results at operating speeds up to 25.75 km/h (16mph) with approved nozzles

#### COMPATIBILITY:

- R4030 to R4060, 400 and 600 Series; model years 2018 and newer
- Boom length of 120 ft (36.6 m)
- Requires ExactApply™, Boom Trac Pro 2 with See & Spray™ compatible height sensors
- Requires a G5<sup>Plus</sup> integrated display, a StarFire 6000 or newer receiver, and must have a SF3 signal or RTK
- Requires steel booms and stainless steel plumbing
- Model Year 2022 and newer machines require Pressure Recirculation
- Not compatible with Direct Injection



Learn more about sprayer upgrades from John Deere.



<sup>1</sup>In tests over 75,000 acres of fallow ground, typical weed pressure of 3,000 weeds per acre, and with spray length settings of small, medium, customers experienced an average herbicide savings of 77% compared to a traditional broadcast sprayer. Individual results may vary.

## See & Spray Premium

- See, target, and kill in-season weeds using advanced cameras and machine learning
- Select targeted or broadcast applications
- Cut herbicide usage by more than 50%<sup>2</sup>
- Reduce water usage and tender stops<sup>3</sup>
- Reduce crop stress and improve yields<sup>3</sup>
- Delivers results at operating speeds up 15 mph (24.1 km/h)<sup>4</sup>
- Compatible with pressure recirculation and product reclaim (model year 2022 and newer)



<sup>2</sup> Results based on internal John Deere strip trials in corn, and soybeans in Arkansas, Nebraska, and Texas, in typical growing conditions, with varying weed size, crop canopy, and field conditions, using targeted spray of non-residual herbicide only, and using current software/algorithm at time of trials. Results vary based on crop. Individual results will vary.

<sup>3</sup> Internal comparison between John Deere sprayers equipped with See & Spray, and John Deere sprayers without See & Spray, based on field and growing conditions. Individual results may vary.

<sup>4</sup> New for model year 2026. Premium machines can go 15 mph (24.1 km/h) during with the row applications. 15 mph (24.1 km/h) speeds not approved for ULM or ULD nozzles. Spray buffer length must be set to small for over 12 mph (19.3 km/h) speeds

## COMPATIBILITY:

- R4030 to R4060, 400 and 600 Series; model years 2018 and newer
- Boom lengths of 90 ft (27.4 m), 100 ft (30.5 m), or 120 ft (36.6 m)
- Requires ExactApply, BoomTrac Pro 2 with See & Spray compatible height sensors
- Requires a G5<sup>Plus</sup> integrated display, a StarFire 6000 or newer receiver, and must have a RTK correction source (SF- RTK or Radio RTK)
- Requires steel booms and stainless steel plumbing
- Not compatible with Direct Injection



## ExactApply

- Premium Individual Nozzle Control: six (6) nozzle turret with multiple modes of operation maintains rate and pressure to reduce overapplication, crop burn, and off-target drift
- Cover up to 20 more acres per hour (based on a 2-mph increase in operating speed) with more consistent spray deposition
- Save 2-5% on herbicides and pesticides<sup>1</sup>
- 15-Hz pulse-width modulation (PWM) pulses one solenoid for more consistent pressure and droplet size over a wider range of ground speeds and application rates
- 30-Hz PWM pulses both solenoids at 15 Hz for more thorough coverage during high-volume applications, like liquid fertilizer
- AutoSelect A/B mode automatically switches between two nozzles to maintain a constant spray pressure while you're spraying conventionally
- Turn compensation mode decreases the spray rate on the inside of a turn while increasing the rate on the outside, ensuring consistent application across the entire width of the boom
- ExactApply Multi-Rate enhances nozzle capabilities by enabling the delivery of multiple rates across the eleven sections of the boom in a single pass, regardless of the boom length<sup>2</sup>
- Compatible with pressure recirculation and product reclaim

### COMPATIBILITY:

- R4030 and R4038, model years 2014-2021
- R4045 model years 2015-2021
- R4044 and R4060, model years 2019-2021
- 400 and 600 Series, model years 2022 and newer

<sup>1</sup> Internal comparison of sprayers equipped with Individual Nozzle Control to sprayers without turn compensation and with standard Section Control. Individual results will vary depending on field and operating conditions.

<sup>2</sup> Multi-Rate available on model year 2022 and newer sprayers equipped with See & Spray or that have a model year 2026 precision upgrade kit for ExactApply. Necessary harnessing for kits prior to model year 2026 without See & Spray is available through parts.



### Individual Nozzle Control Pro

- Offers a step up from Section Control, allowing for more precise application
- Save 2-5% on herbicides and pesticides<sup>3</sup>
- Section size reduced to individual nozzle turrets, reducing overlap and overspray
- Turn compensation by individual nozzle
- 15-Hz single pulse-width modulation (PWM)
- Combination of proven existing standard flow hardware with increased capability matching what is shown for other nozzle control
- Compatible with pressure recirculation and product reclaim

<sup>3</sup> Internal comparison of sprayers equipped with Individual Nozzle Control to sprayers without turn compensation and with standard Section Control. Individual results will vary depending on field and operating conditions.



### COMPATIBILITY:

- R4030 to R4060, 400 and 600 Series; model years 2014 and newer
- 4730 and 4830 model years 2008-2014
- Boom lengths of 100 ft (30.5 m) and 120 ft (36.6 m)



### Individual Nozzle Control Heavy Duty

- Designed for high-viscosity and suspended solid fertilizers and chemicals
- Allows accuracy of nozzle control down to the individual nozzle, helping reduce overlap and overspray, reducing overall chemical usage and overapplication
- Utilizes the John Deere five-position high-flow nozzle body
- Flow is controlled by a ball valve and powered open and closed by a small electric actuator on each nozzle
- Section width equivalent to the nozzle spacing when used with John Deere Section Control
- Compatible with pressure recirculation and product reclaim

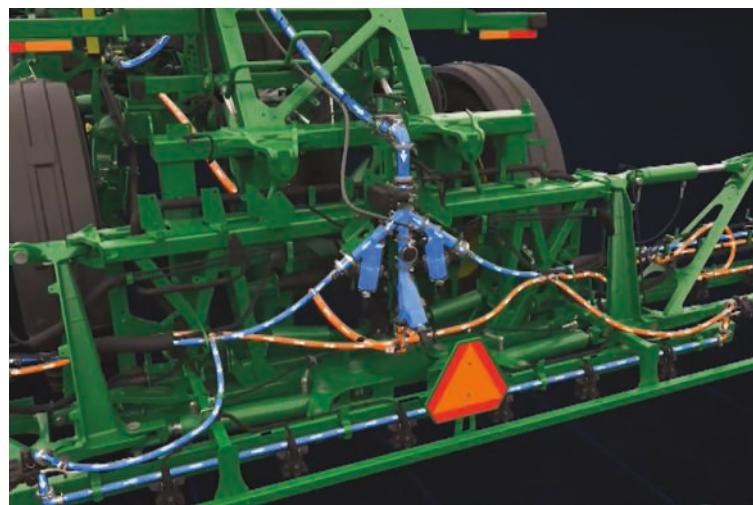
### COMPATIBILITY:

- R4030 to R4060, 400 and 600 Series with 120 ft (36.6 m) steel booms, model years 2018 and newer
- LS475 and LS20 Liquid Application System for F4365/800R with boom lengths of 90 ft (27.4 m); model years 2021 and newer

## Pressure Recirculation and Product Reclaim

- Pressure recirculation pushes product through the sprayer booms with a three-way valve, keeping solution from settling and delivering a consistent product to every nozzle
- Product reclaim pushes air through the sprayer lines and moves the solution back into the center feed tank
- Save product with pressure recirculation – up to 30 gal (113.6 L) per boom prime post boom purge<sup>1</sup>
- Save up to \$600 a day<sup>1</sup> with pressure recirculation 10 times a day, coupled with approximately 22.5 gal (85.2 L) of solution savings with product reclaim one to two times per day
- Reduce crop damage from residual chemical buildup
- No tank modifications are needed

No tank modifications are needed.



## COMPATIBILITY:

- R4030, R4038, and R4045; model years 2018-2021
- R4044 and R4060; model years 2019-2021
- 400 and 600 Series; model years 2022 and newer

<sup>1</sup>USD. Assumes 30 gal (113.6 L) of residual product in the system at 10 gal/acre (93.5 L/ha) and \$20 per acre 10 times per day. Individual results will vary based on application rates.





## BoomTrac Pro 2

- Offers a 22% greater spray accuracy and 5x increase in the amount of time the boom maintains its target height (compared with the previous BoomTrac Pro system)
- Inertia-monitoring sensor helps correct chassis roll
- Helps ensure accuracy in product application and reduces drift, even in hilly or rough conditions
- Requires BoomTrac Pro System, if not already installed, in order to operate
- Precision Upgrade kits come See & Spray ready

### COMPATIBILITY:

- R4030, R4038, and R4045; model years 2018-2021
- R4044 and R4060; model years 2019-2021
- 400 and 600 Series; model years 2022 and newer



## Boom Extensions

- Increasing boom length covers more ground in a single pass, helping improve acres covered per day
- Going from 90 ft (27.4 m) to 120 ft (36.6 m) booms could see an overall improvement of 135 acres accomplished in a day
- Boom extensions allow 90 ft (27.4 m) and 100 ft (30.5 m) existing booms to be upgraded to 120 ft (36.6 m) steel booms
- Kits include new inner, outer, and breakaway sections
- Both wings come from the factory assembled, helping reduce installation time

### COMPATIBILITY:

- R4030/408R up to R4060/616R; model years 2014 and newer



## LED Boom and Vehicle Lighting

- Help improve visibility around the machine and increase confidence when operating in less-than-ideal light situations

- **Vehicle work lighting package:**

- 20 LED lights added to the hood, cab roof, boom cradles, left-hand platform, fill station, and right-hand fuel tank

- **Boom lighting package**

- **Tip edge light:**

- Illuminates a line on the ground aligned with end of the boom
- Installs on left-hand and right-hand boom tips
- Compatible with 90 ft (27.4 m), 100 ft (30.5 m), or 120 ft (36.6 m) steel boom
- Compatible with fence row nozzles and foamers

- **Spray pattern illumination lights:**

- Located on inside of inner wings
- Faces outward
- Can be used with ExactApply spray pattern lighting

## COMPATIBILITY:

- Vehicle lighting - R4030 up to R4060; model years 2014-2021
- Boom lighting - R4030/408R up to R4060/616R; model years 2014 and newer

# Precision Technology

## John Deere Operations Center

- Single, secure place to setup, plan, **monitor**, analyze, and share your farm data – anytime or anywhere



On the farm or away from it, Monitor features in Operations Center give you web and mobile tools to view field progress, work totals, and machine location.

Notifications give you 24/7 updates on your operation.



**JOHN DEERE**  
**OPERATIONS**  
**CENTER**



## AutoPath

- Uses crop row data from your first pass to create accurate guidance lines ensuring your sprayer stays on track
- Saves time while minimizing crop damage



## John Deere Mobile Weather

Confidently apply crop protectants according to label requirements by knowing the current weather conditions including wind speed, wind direction, and humidity

- Improve recordkeeping and compliance reporting by documenting weather conditions during application

## AutoTrac RowSense - Sprayer

- Paddle sensor mounted on front wheel
- For late, post-emerge applications
- Approved for 30-in to 40-in (76 cm-101.6 cm) corn
- For all 4 Series Sprayers

## AutoTrac Vision

Decrease crop damage, reduce operator fatigue, and operate at higher speeds compared to manual driving by enabling the equipment to follow the actual planted crop row



## In-Cab Touchscreen Displays

Manage guidance lines, application rates, input placement, and more; G5 Displays offer more screen space, faster processing, and 1080p HD quality



## StarFire 7500 Receiver

SF-RTK signal gives RTK accuracy without the need of a radio



## JDLink Connection

Streams machine and field data to your Operations Center account