LIQUID APPLICATION

John Deere & Hagie Self-Propelled Sprayers

JOHN DEERE



NO ONE BRINGS IT ALL TOGETHER LIKE JOHN DEERE





Application quality. Integrated precision ag technology. Remote support. When it comes to nurturing and protecting your fields from weeds, diseases, and insects, no one brings it all together like John Deere. Providing consistent applications with minimal waste, our sprayers have you covered. And we're giving you more comfort with new improvements to our cabs that make long days spraying seem shorter.

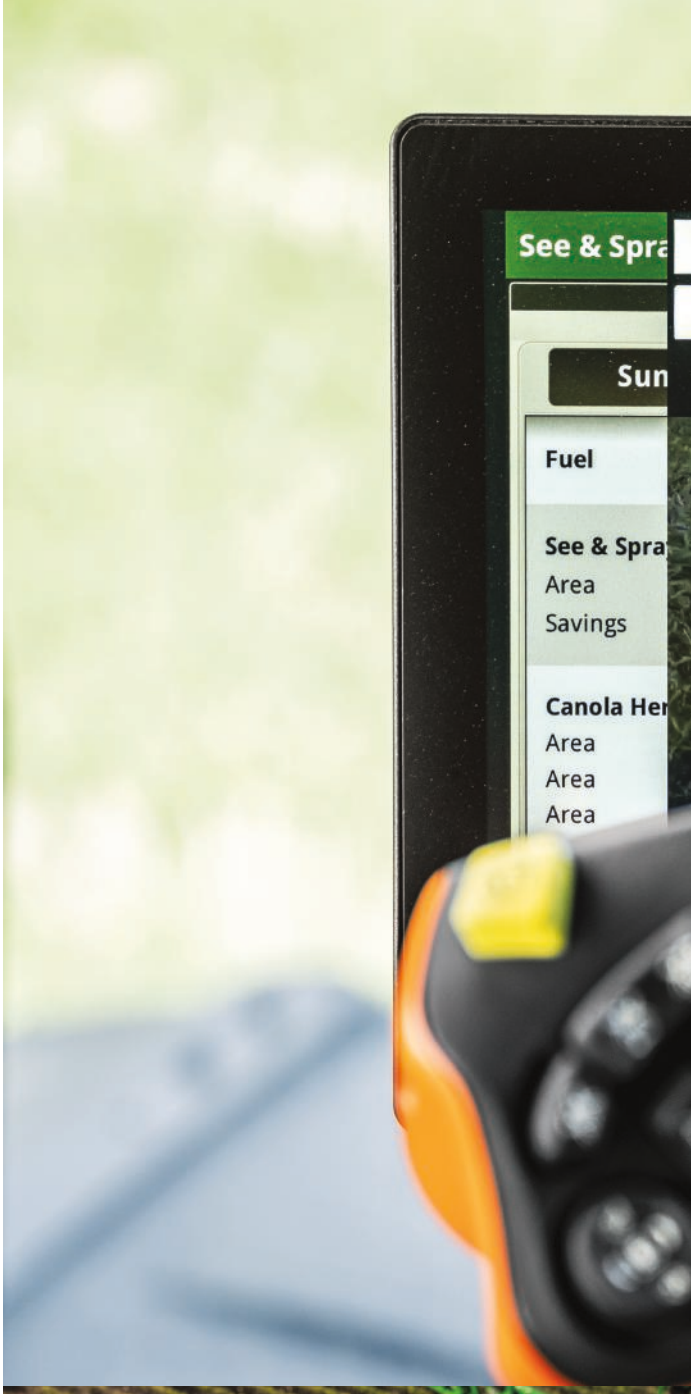
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AutoTrac™ Vision 2.0
Decrease crop damage with this cutting-edge vision guidance system that keeps your sprayer's wheels centered in each row. Chassis-mounted cameras recognize and adjust to the space between crop rows, even with planter drift or missing boundary lines. Conquer slopes and curves with confidence.



ExactApply™ Multi-Rate
ExactApply Multi-Rate enhances nozzle capabilities by enabling multiple rates across 11 boom sections in a single pass, improving rate resolution for prescription applications and optimizing crop consistency. Auto Select Pulsing with A+B Nozzle Switching further expands speed and performance ranges, ensuring proper droplet size and placement while enhancing curve compensation for versatile, high-precision application.







INTEGRATED INTELLIGENCE FROM THE START

Gain confidence in every application with our integrated lineup of precision ag components. The intuitive G5^{Plus} CommandCenter™ Display puts high-definition insights at your fingertips – ensuring you have every detail you need for precise, efficient operation.

New sprayers ordered come with an integrated StarFire™ 7500 Receiver with SF-RTK for long-term repeatability with up to 2.5 cm accuracy. And with updates to AutoTrac™ RowSense™, AutoTrac Vision 2.0, AutoTrac Turn Automation, and AutoPath™, you can run at higher speeds with confidence, because the system keeps you exactly on the guidance lines built from your exact planted rows or from your advanced driven boundary — across the entire field — without sacrificing application quality. And because advanced automation ensures every pass stays on the same exact rows, you can count on getting the same results every time, even with different operators.

With JDLink™ connectivity[1], John Deere sprayers can stream machine and field data to John Deere Operations Center™ anytime, anyplace. Simply turn on JDLink service in your Operations Center account.

[1]JDLink hardware comes standard with the machine. You can turn on JDLink connected service in your John Deere Operations Center account for free. JDLink requires a cellular connection to transfer information from machine to Operations Center. Consult your John Deere Dealer for coverage availability.

THE NEXT GENERATION OF TARGETED SPRAYER TECHNOLOGY

First it was fallow fields. Then it was corn, soybeans, and cotton. Now — with an improved hardware set, faster processors, and higher-resolution cameras — See & Spray™ Gen 2 can target weeds in expanded crops like wheat, barley, canola, sorghum, edible beans, peanuts, and sugar beets.

See & Spray machines can also vary the rate of application based on living biomass detected. This allows for improved job quality application leading to increased or similar yields.[1] See & Spray Variable Rate works well in applications like harvest-aid, fungicide, plant growth regulator passes, and more.

Whether it's input savings or a more effective weed elimination strategy, See & Spray Gen 2 delivers targeted weed control you can rely on. Using camera vision technology and machine learning, See & Spray Gen 2 differentiates weeds from a variety of crops. Then it sprays only those weeds, reducing your herbicide use and increasing your bottom line.

See & Spray Gen 2 – Standard on 400/600 Sprayers[2]
See & Spray Gen 2 hardware comes standard on all 400/600 Sprayers. That means you'll be able to turn every pass into an intel-gathering mission. With your cameras always on during application, you can use See & Scout™ to automatically record and stream valuable ag data to your John Deere Operations Center™ account. There, you can leverage unprecedented insights - including weed pressure maps, corn stand counts and other field data. Best of all, there's no additional cost. Just turn it on, start broadcasting, and begin recording new insights.

See & Spray in fallow applications at no additional cost[2]
Cleaner fields start early. – in your fallow fields. That's why, for any sprayer equipped with See & Spray – past, present, and future – there's no additional cost for fallow application passes. Just leave your cameras on and let See & Spray target your weeds.



MORE CROPS. MORE VERSATILITY. MORE VALUE.

As more and more crops get targeted by See & Spray's weed-detecting intelligence, more and more operators are realizing how to leverage its versatility. Along with broadcast and target spraying flexibility, you add other precision features to squeeze even more value out of every pass. Today, See & Spray Gen 2 is approved in the following crops:



Front-Mounted Cameras
See & Spray machines are now equipped with front-mounted cameras that see and target weeds with less dust impacts. That translates into more potential savings.

24-Hour Targeted Application
See & Spray Gen 2 systems can be equipped with full boom lighting to allow for 24-hour targeted application in fallow fields, enabling you to meet tight application windows.

Prescription-Like Application in Near-Real Time
See & Spray machines can measure living biomass to vary the application rate based on rate and biomass thresholds that you set. This allows for increased productivity through potential product savings and less time creating prescriptions. Variable Rate helps you ensure the right product is applied, at the right rate, and at the right time.

Faster Processing For Faster Applications
With a new hardware set and higher-resolution cameras, See & Spray Gen 2 can see and target weeds faster than ever, all at up to 16 mph (25.7 kph), allowing you to get more done in a day.

Machine Versatility
Artificial intelligence trained to detect weeds from crop is factory installed in the proven sprayer you've come to trust. Apply only what you need to target weeds in season in a variety of crops. The versatility of this sprayer offers multiple application modes, including broadcast and targeted spray simultaneously, single product high flow, or a traditional broadcast spray.

Actionable Mapping Data
It takes data to make informed decisions. And by viewing data such as weed pressure and areas applied within your John Deere Operations Center account, you can turn mapping data into actionable decisions.



[1]Based on John Deere trials during the 2025 growing season for desiccation trials done in peas and lentils in Canada. Trial results showed improved yields compared to broadcast application. Individual results will vary.
[2]See & Spray Gen 2 single-product hardware comes standard on all 2027 and newer 400R and 600R Series Sprayers, with an optional factory deduct. In-crop application passes require the purchase of a renewable software license. Targeted fallow applications require no additional cost. See your John Deere Dealer for details..

TO WEEDS, IT'S A DUAL THREAT

See & Spray Gen 2's optional dual-tank solution system combats herbicide resistance by using two independent tank mixes in a single pass, avoiding antagonism that occurs when certain inputs are combined. Choose between 1,000 gal (3,785 L), 1,200 gal (4,542 L), or a 1,600 gal (6,057 L) total capacity.

Make Two Passes in One

In place of the single tank, you can choose an optional dual-tank configuration that lets you apply targeted spray and traditional broadcast at the same time, combining two passes in one to save you time and money. Target spray weeds and broadcast fungicide or better manage weeds by applying a non-residual targeted spray and residual broadcast, all in one pass.

BoomTrac™ Ultimate

The carbon fiber, truss-style boom of dual product machines is strong and stable, ensuring you get uncompromised spray quality. And with BoomTrac™ Ultimate, you can keep the tip of the boom within 10 in (0.25 m) of your target boom height, 95% of the time. That supports overall spray quality.[1]

[1]Internal testing composite score over a variety of terrains. Operating within range measured at the tip of the boom. BoomTrac Ultimate tested on a John Deere 412R Sprayer with 120 ft (36.6 m) truss-style carbon fiber boom, NORAC installed on a John Deere 4 Series Sprayer with 120 ft (36.6 m) steel boom, and Raven AutoBoom XRT installed on a 4 Series Sprayer with 120 ft (36.6 m) steel boom. Data is based on factory-calibrated settings. Performance varies based on user-specified settings and adjustments.

CLEAN FIELDS & BETTER YIELDS – PROVEN!

Could you use a 2 bu/acre (131 kg/ha) yield increase at harvest? Then consider using See & Spray. We recently sponsored research to evaluate the crop health and yield benefits of applying herbicides using See & Spray in soybeans. Using third-party researchers and universities, trials were conducted in seven states. On average, the use of targeted herbicide applications with See & Spray resulted in a yield increase of + 2.0 bu/acre (+ 131 kg/ha) when compared with traditional broadcast applications.[2]



[2]Claims regarding yield increases and reduced crop damage from factory-installed See & Spray are based on research sponsored by John Deere and conducted by third-party organizations across seven states. Findings indicated an average yield increase of +2.0 bu/acre (+131 kg/ha) in soybeans with targeted herbicide applications compared to traditional broadcast methods, along with reduced crop injury and improved health metrics. Results may vary based on specific conditions, including local practices and environmental factors. Economic examples are illustrative and may not apply universally. For detailed findings, refer to the complete study, including additional research from Beck's Hybrids (Beck's 2024 – www.beckshybrids.com/resources/pfr-studies/2024-multi-location-soybean-sprayer-application-study-see-and-spraytm).

TURN YOUR CURRENT SPRAYER INTO A TARGETED WEED KILLER

Want to add more accuracy – more intelligence – to your current John Deere sprayer? A See & Spray Precision Upgrade is a smart choice for qualifying models. Upgrade your sprayer to See & Spray Premium and start saving on herbicide usage through targeted applications.

See & Spray Premium
Ready to get more value out of your current sprayer? Equip it with a See & Spray Premium Precision Upgrade. It turns your current sprayer into a precision sprayer that target sprays only the areas that need it, whether it's corn, soybeans, cotton, or fallow ground. By target spraying weeds when and where you need it, you can:

- Spray fallow fields with no additional cost
- Cut herbicide usage by more than 50%[1]
- Reduce water use, crop stress, and tender stops[2]
- Improve cost efficiencies and boost profitability[2]

Starting in 2027 with your cameras always on during application, you can use See & Scout to automatically record and stream valuable ag data to your John Deere Operations Center™ account. There, you can leverage valuable insights – including weed pressure maps, corn stand counts, and other field data at no additional cost.

Also beginning In the 2027 field season, purchase an annual license and you'll also gain near real-time variable rate capability of detected green biomass, allowing you to spray product where it's needed most.

And the crop lineup keeps getting bigger, too. Peanuts, sugar beets, milo, canola, wheat, and barley are now available. See & Spray Premium is available as a Precision Upgrade on MY18-MY26 John Deere R-Series and 400/600 Series, and as a factory option on the full lineup of Hagie sprayers.

See & Spray Front Camera Upgrade
Reduce dust detection, increase product placement accuracy, and improve savings potential with a See & Spray Front Camera kit. It's a Precision Upgrade that includes the mounting for cameras to be installed on the front of the machine, available on Ultimate- or Premium-equipped sprayers.



[1]Results based on internal John Deere strip trials in corn, soybeans, and cotton 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; for details. Individual results will vary.

[2]Performance compared to See & Spray Select.



400 SERIES SPRAYERS

The 400 Series Sprayers offer integrated technology for an efficient quality application. A wide range of horsepower is available with options ranging from 280 to 326 hp (208.8 to 243 kW). Choose between three different tank options: 800 gal (3,028 L), 1,000 gal (3,785 L), or 1,200 gal (4,542 L).

For dry spreader applications, a 200 cu ft (5.6 cu m) spreader is offered from New Leader® in the G4, G4 Edge, or G5, with spread widths ranging from 60 to 105 ft (18.3 to 32 m).

Boom Options
Choose from two different boom options on the 400 and 600 Series Sprayers. Offering carbon fiber or steel, both options are available with BoomTrac™ Pro 2 for enhanced spraying accuracy by maintaining correct boom height. Compared with previous BoomTrac Pro, the boom height adjusts easily from 19 in (0.5 m) up to 92 in (2.3 m) and provides a 22% improvement in accuracy.[1]

[1] Based on internal John Deere study compared to previous BoomTrac Pro.

Four-Wheel Steer
With Four-Wheel Steer, you can make tighter turns, which minimizes soil disturbance and reduces crop damage, all while optimizing chemical coverage.

Crab Steer
With all four wheels at a slight angle, the machine can move diagonally while maintaining a straight line, maneuvering obstacles, and reducing soil and crop disturbance.

ExactInject™ Direct Injection System
Precision when you need it. Flexibility when it matters. John Deere's direct injection system delivers on-demand chemical mixing and application on 408R, 410R, and 612R Sprayers. With support for up to five tanks and three pump configurations, it reduces waste, cuts cleanout and changeover time, and increases productivity — helping you manage complex chemistries while protecting inputs and your bottom line.





600 SERIES SPRAYERS

Spend more time spraying and less time filling with 600 Series Sprayers. Two tank options of 1,200 or 1,600 gal (4,542 or 6,057 L) are available. Add flotation tires to further reduce compaction, so you can get in the field sooner and spray later.

Offering two engines at 355 or 375 hp (265 or 280 kW), these sprayers allow for faster acceleration with heavier loads than previous models. For dry spreader applications, a 200 cu ft (5.6 cu m) and 300 cu ft (8.5 cu m) spreader are offered from New Leader® in the G4, G4 Edge, or G5, with spread widths ranging from 60 to 105 ft (18.3 to 32 m).[1]

The NL720 — only available for the 600R Spreader — is a 300 cu ft (8.5 cu m) capacity spreader with spread widths of 70 to 120 ft (21.3 to 37 m). The 600R chassis is also compatible with the Salford AB200DS & DSM, a 200 cu ft (5.66 cu m) capacity Air Boom System.

[1]If a combination sprayer and spreader is desired, all 400 & 600 Series Sprayers must be ordered as a liquid system. See your John Deere Dealer for details.

COMFORT & VISIBILITY TO MAKE LONG DAYS FEEL SHORTER.

Transform the cab of your John Deere sprayer into a truly operator-focused workspace. Visibility packages range from Premium to Ultimate, featuring up to 17 LED lights, multiple beacons, heated and electrically adjustable mirrors, sunshades, wipers, and an integrated camera system with rear and side views to ensure confident operation day or night. Inside, choose from Select or fully loaded Ultimate Comfort & Convenience, moving from a well-equipped cloth seat and simple infotainment to an ActiveSeat™ II leather seat with heating, ventilation, and fatigue prevention, a 6.5 in (16.5 cm) touchscreen with premium audio, additional storage, and a refrigerator.



SmartView
A package of left, right, forward, and rear cameras provides near-real time visibility of nozzle performance and spray patterns, helping prevent skips and overlaps while reducing chemical waste and improving uptime for accurate application. Plus, operators have visibility to see obstacles during operation and transport.



G5^{Plus} Display with Extended Monitor
Do more without switching screens. The G5^{Plus} Extended Monitor adds a second 10 in (25.4 cm) display, allowing operators to view and adjust maps, machine functions, and SpreadStar™ or SprayStar™ controls at the same time. That reduces the risk of costly application. And plug-and-play installation makes setup easy.



Next-Generation Corner Post Display
Get critical machine information at a glance. The bright, easy-to-read corner post display shows fuel level, temperatures, oil pressure, engine speed, gear selection, and ground speed — keeping operators informed and focused on the job at hand.

NIGHTTIME DOESN'T MEAN SLOWING DOWN

When the weather window opens and the acres are ready, there's no clocking out. The John Deere 400 & 600 Series Sprayers are designed to keep operators sharp, comfortable, and confident – from the first pass before the sun rises to the last load long into the dark of night.



HAGIE LS20 LIQUID SYSTEM ON THE 800R FLOATER

During the busy spring season, you need to complete jobs as crops are planted — from applying high-rate fertilizer on unplanted corn fields to low-rate pre-emergent herbicide on soybeans. The LS20 Liquid System on our 800R Floater is the perfect solution. Dual centrifugal solution pumps with dedicated magnetic flow meters work together to achieve pin-point rate accuracy through the entire flow range between 18.9 and 1457.4 L/min (5 and 385 gpm). And a 2,000 gal (7570 L) solution tank lets you cover more acres between fills.



SPEND LESS TIME LOADING & MORE TIME SPRAYING

Faster fills. Cleaner changeovers. Smarter control. Automatic Solution Control Premium transforms the solution system on John Deere 400 & 600 Series Sprayers with electric valve automation and a dedicated fill pump. The result: faster pull-on times, independent fill, and spray circuits to reduce contamination risk. You also get improved cleanout and simple operation — with fewer steps and less chance for error.



AUTOMATE YOUR SPRAYER TENDER SYSTEM

Founded in 2007, SurePoint Ag Systems was built around one simple mission: help producers apply the right product, in the right place, at the right rate — while minimizing chemical exposure. And that's why we're proud to partner with SurePoint Ag. That same philosophy powers the QuickDraw® Spray Tender System and the purpose-built Arsenal™ Spray Trailer.

With QuickDraw, operators create and save recipes, enter the desired application rate and load size, then let the system do the rest. QuickDraw automatically calculates, measures, and loads each chemical along with the correct amount of carrier, then shuts off when the batch is complete. That eliminates guesswork, reduces waste, and speeds up every load.

The Arsenal Spray Trailer is a turnkey solution specifically designed for tendering sprayers—unlike retrofitted trailers that compromise efficiency and safety. Available in 38, 42, or 48 ft (11.6, 12.8, or 14.6 m) lengths and with 2,800 or 3,200 gal (10,599.2 or 12113.3 L) Enduraplas® tanks, the Arsenal Trailer offers unmatched flexibility to fit any operation. Its modular loading deck, swing-out load boom — or 3 in (7.6 cm) hose reel options — and bottom-mounted plumbing allow operators to mix and load without constantly climbing on and off the trailer. Features like the swing-down stainless-steel eductor with ChemBlade™, integrated steps and handrail, chemical rinse hose reel, and tote and cabinet wings for the QuickDraw system make every load faster, safer, and more efficient.

Together, QuickDraw and the Arsenal Trailer deliver a safer, smarter, and more productive tendering solution—giving operators the ability to customize their setup while improving workflow, reducing handling, and getting back to the field faster with confidence in every batch.



Photo courtesy of SurePoint Ag Systems.



[1] Based on John Deere Operations Center data shared with consent by customers, comparing sprayer operation with and without ExactApply and INC Pro in 2023 and 2024.
[2] Assumes 113.6 L (30 gal) of residual product in the system at 93.5 L/ha (10 gal/acre) and $20 per acre 10 times per day. Adjust the calculation to suit you operation.

UNLOCK MORE PRODUCTIVITY FROM YOUR CURRENT SPRAYER

It's a simple equation: reducing input costs and increasing yield returns a higher profit to your bottom line. John Deere Precision Upgrades provide you unique opportunities to adopt the latest application technology without purchasing new or used equipment. This allows you to customize current equipment and achieve a faster ROI, while also boosting productivity and operational efficiencies.

From nozzle control upgrades to boom technology to increase accuracy to lighting packages to expand your workday, a Precision Upgrade is a fast way to bring more precision and automation to your operation, no matter the size. See your John Deere dealer for more details.



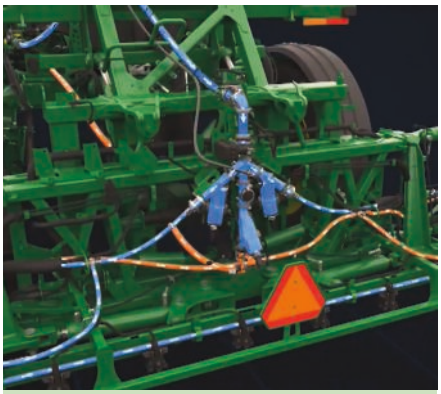
Individual Nozzle Control Pro
With Individual Nozzle Control Pro, sprayer section widths are reduced down to the individual nozzle and turn compensation is enabled. By reducing overlap and overspray, you can save up to 12%[1] on herbicides and pesticides, while increasing the accuracy of your overall application. Building upon proven hardware, Individual Nozzle Control Pro adds 15 Hz single pulse-width modulation to a five-nozzle body turret.

Compatible with 2014 and newer 4730/4830 Sprayers, R4030 to R4060, and 400/600 Series.



ExactApply™
Ready to save up to 12% on herbicides and pesticides?[1] Want to cover more acres in a shorter time? ExactApply features precise droplet sizing and consistent application management. With a pulsing frequency designed for consistent performance and an advanced A+B nozzle design, ExactApply maintains your target rate and pressure over a wider range of speeds.

Your dealer can work with you to determine your machine's compatibility.



Pressure Recirculation/ Product Reclaim
Pressure Recirculation provides a continuous flow of product through the sprayer booms, preventing solution settling and ensuring uniform delivery to each nozzle. Product Reclaim directs air through the sprayer lines, efficiently returning the solution to the central feed tank. That saves you time during rinsing and boom prime or switching between products. And it can save up to 30 gal (113.6 L) per boom prime post boom purge.[2]

THE NEXT GENERATION HAS ARRIVED

High-clearance, agile Hagie sprayers mean less damage to your field and crops. A front-mounted hybrid boom delivers stability and visibility. A new 2,000 gal (7,570.8 L) tank needs less tendering. ExactApply nozzles give you precise droplet sizing and consistent application management. AutoTrac Turn Automation gives you accurate, hands-free turns on every pass. And integrated technologies–like a G5^{Plus} Display, a StarFire 7500 Receiver, and JDLink connectivity[1] — keep you seamlessly connected to your operational data in John Deere Operations Center™.

HAGIE STS12

With a clearance of 74 in (1.88 m) and a smooth underside, the STS12 funnels tall crops with minimal damage. Powered by John Deere's 300 hp (220.7 kW), 9.0 L engine, the STS12 features a lightweight, balanced design that gives you entry into marginal soil conditions and late-season applications, something competitors simply can't match. And with Crab Steer, all four wheels move at a slight angle so the machine can move diagonally while maintaining a straight line. That increases maneuverability and allows the machine to get in tight corners of irregular shaped fields.

- Up to 132 ft (40.23 m) boom
- 300 hp (220.7 kW), 9.0 L engine
- 35 mph (56.3 km/h) transport speed



[1]JDLink hardware comes standard with the machine. You can turn on JDLink connected service in your John Deere Operations Center account for free. JDLink requires a cellular connection to transfer information from machine to Operations Center. Consult your John Deere Dealer for coverage availability.

HAGIE STS16

Gain productivity through capacity. The STS16 is purpose built to keep you spraying longer with fewer refills. A 74 in (1.88 m) underframe clearance helps you glide over crops, while a narrow in-row crop package and smooth transition shields minimize impact and crop disturbance. Whether the tank's full, empty, or anywhere in between, its balanced weight distribution and optional flotation tires keep it performing in all kinds of challenging field conditions, especially in late-season, tall-crop applications.

- Up to 132 ft (40.23 m) boom
- 400 hp (294.2 kW), 9.0 L engine
- 35 mph (56.3 km/h) transport speed



TARGETED TECHNOLOGY FOR CLEAN FIELDS & BETTER YIELDS

Every STS Series machine can be optioned with factory-installed See & Spray Premium, making them the most advanced, versatile, and agile sprayers in the lineup. BoomTrac™ Pro 2 – a fully integrated boom height-sensing system – enhances spraying accuracy by maintaining correct boom height in difficult soil conditions side-to-side, up and down. BoomTrac Pro 2 is used on all STS Series machines and all boom widths.

Spend more time spraying and less time filling with the 2,000 gal (7,571 L) solution tank on the Hagie STS20. Two other tank options of 1,200 gal (4,542 L) and 1,600 gal (6,057 L) are also available.

Built with the John Deere PowerTech™ 9.0L engine, the new Hagie lineup gives you the power you need to work efficiently, with 300 or 400 hp (220.7 or 294.2 kW) options.



ExactDrop™
Split-apply nitrogen and sidedress insecticides at full boom width with ExactDrop kits. The ultra-lightweight and flexible design reduces the impact of ground strikes, while featuring a narrow transport width and quick disconnect latch. Compatible with Hagie Hybrid Booms and available for 90 or 120 ft (27.4 or 36.6 m) widths. 2023 to current machines capable of using 120 ft (36.6m) every row spacing, while pre-2023 machines limited to 120 ft (36.6m) skip row spacing. 90 and 100 ft (27.4 and 30.5 m) booms limited to 60 ft (18.3m).



HAGIE HYBRID BOOM OPTIONS

Hagie's front-mounted booms are designed to deliver performance, stability, and visibility. The booms are the first and foremost tool in accurate product placement. Hagie Hybrid booms, with steel inner sections and aluminum outer sections, are designed to offer the best of both worlds. Strength and agility in one package.

Hybrid booms are available in 90, 100, and 120 ft (27.43, 30.48, and 36.57 m) widths and can fold to 60 ft (18.28 m). Cover even more acres with the 132 ft (40.23 m) boom that folds to 70 ft (21.34 m).

THE CAB YOU DESERVE

Spacious cab with sweeping visibility. Comfort features to make long days feel shorter. We made it easier to spend your working days in the field with a feature-filled cab designed for comfort and efficiency. And with integrated John Deere precision technology – like a StarFire 7500 Receiver, G5[Plus] CommandCenter Display, and JDLink connectivity[1] – you're ready to seamlessly stream data to your John Deere Operations Center account. See the chart below for the package that's right for you.

SELECT COMFORT PACKAGE	**ULTIMATE** COMFORT PACKAGE
Cloth seat with mechanical controls and lumbar support; 16° left-hand and 16° right-hand swivel	Leather seat with electronic controls and pneumatic lumbar support; 16° left-hand and 16° right-hand swivel; heated and ventilated; massaging feature; adjustable bolster
AM/FM/WX radio with auxiliary inputs and Bluetooth compatibility; 2 speakers	6.5 in (16.5 cm) touchscreen app radio, smartphone and SiriusXM ready; 2 speakers with subwoofer
Business-band ready	Business-band ready
4 USB ports and 12V outlet	4 USB ports and 12V outlet
Dual tilt steering column	Footrests
	Dual tilt steering column
	Refrigerator
	Cupholder alternate location
	Electric-cinch door with remote opening





[1] *JDLink hardware comes standard with the machine. You can turn on JDLink connected service in your John Deere Operations Center account for free. JDLink requires a cellular connection to transfer information from machine to Operations Center. Consult your John Deere Dealer for coverage availability.*



PRO Dispatch
John Deere Operations Center PRO Dispatch provides an end-to-end fleet dispatching and logistics system. Tools in PRO Dispatch include the ability to send work order details directly to an in-cab connected John Deere display, saving time so that more acres can be covered.



REASSURANCE TO KEEP YOU IN THE FIELD

Along with the purchase of a new John Deere or Hagie sprayer, you can get additional peace of mind with PowerGard™ extended warranties. Our protection plans help you manage expenses, increase uptime, and maintain original performance related to the ownership and operation of 400R, 600R, and Hagie sprayers.[1]

PowerGard

You can buy a PowerGard Protection Plan[2] from the date of sprayer delivery up to 6 months or 250 engine hours with no surcharges. After this period, you can still purchase a plan within 12 months or 1000 engine hours from the date of delivery.

Length of terms includes 24, 36, 48, 60, or 72 months for both *Limited Plans* (main components of engine and powertrain) and *Comprehensive Plans* (main components of entire machine).

PowerGard also offers the following benefits:

- No pre-approval of claims
- John Deere OEM parts for all repairs
- Availability of service at any authorized John Deere dealership
- Transferability to a new owner

Additionally, PowerGard Tech Assurance is available for See & Spray™ systems on select sprayer models. Contact your local John Deere dealer for information. Learn more about PowerGard plans at **JohnDeere.com/PowerGard**.

John Deere Protect™

With the purchase of a PowerGard Protection Plan, you're eligible to buy a John Deere Protect *Maintenance Plan*[3] for 400R and 600R sprayers that covers the first 36 months/1,000 or 1,500 hours of ownership (with no deductible[4] and no additional charges).

In addition to four to six scheduled maintenance events,[5] the plan also provides:

- Three annual 150-point expert inspections
- Three annual winterization events
- John Deere OEM Parts (10% discount)
- Transferability to a new owner

Learn more about John Deere Protect plans at **JohnDeere.com/Protect**.

[1] All new John Deere sprayers come with a standard basic warranty of 12 months/unlimited hours (full machine) and 24 months/2000 hours (engine only) coverage..

[2] The PowerGard Protection Plan (limited or comprehensive) does not cover headers, attachments, maintenance, or high-wear items, nor other non-covered components specifically mentioned in the contract terms.

[3] PowerGard Protection Plan with minimum terms equal to or greater than the months/hours of the desired John Deere Protect Plan must be purchased separately to be eligible for John Deere Protect extended service plans. Additional details are included in the selling description of each plan.

[4] PowerGard deductible applies to any failures under PowerGard coverage.

[5] Number of scheduled maintenance events varies based on specific model and John Deere Protect Plan. Please see your participating dealer for complete details.

RUN IT YOUR WAY

When you choose John Deere, you get more than just horsepower. You get game-changing technology that provides clear, reliable information for you to get the most out of your new John Deere or Hagie sprayer.

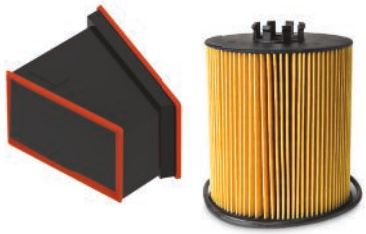
With digital tools like **John Deere Operations Center** and **Equipment Mobile** – along with the convenience of purchasing parts, attachments, and accessories online at **Shop.Deere.com** – it's now easier to use, maintain, diagnose, repair, and protect your sprayer for the long run.

Whether you perform the work yourself – or partner with your local John Deere dealer and/or alternative service provider – be sure to keep running with products and parts made for your new sprayer. Learn more at **JohnDeere.com/RunItYourWay**.



Oils

PLUS-50™ II SAE 15W-40 engine oil and Hy-Gard™ transmission/ hydraulic oil are specially formulated to enhance the performance of John Deere sprayers.



Filters

From oil, fuel, and transmission filters to air and diesel exhaust fluid (DEF) filters, John Deere manufactures OEM replacements for sprayers.



Greases & Lubricants

John Deere produces a proprietary line of greases and lubricants for its equipment to help owners keep up with routine maintenance.



Hydraulic Hoses

Your local John Deere dealer can replace worn or damaged hydraulic hoses on your sprayer with all new hoses.



Nozzles

With a wide selection of nozzles available, John Deere can meet your needs depending upon your specific sprayer, crop, and application.

Equipment Mobile

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400 SERIES SPRAYER SPECIFICATIONS

SPRAYER MODEL	408R	410R	412R
ENGINE			
Make	John Deere	John Deere	John Deere
Rated engine power	280 hp (206 kW)	310 hp (231 kW)	326 hp (243 kW)
Maximum engine power	300 hp (224 kW)	330 hp (246 kW)	357 hp (266 kW)
Displacement	415 cu in (6.8 L)	549 cu in (9 L)	549 cu in (9 L)
Fuel tank capacity	128.2 gal (485.2 L)	149.2 gal (565 L)	149.2 gal (565 L)
SOLUTION SYSTEM			
Capacity, U.S. gallon (L)	800 gal (3028 L)	1000 gal (3,800 L)	1200 gal (4,542 L)
Tank material	Stainless steel	Stainless steel	Stainless steel
Split tank option	N/A	Tank 1: 350 gal (1,324.9 L)	Tank 1: 450 gal (1,703.4 L)
		Tank 2: 650 gal (2,460.5 L)	Tank 2: 750 gal (2,839.1 L)
Rinse tank capacity	120 gal (454.2 L)	120 gal (454 L)	170 gal (646 L)
Quick Fill™ size	3 in (7.6 cm)	3 in (7.6 cm)	3 in. (7.6 cm)
Suction strainer	20 mesh	20 mesh	20 mesh
Pressure strainer	50 mesh	50 mesh	50 mesh
Boom strainer	80 mesh	80 mesh	80 mesh
BOOM			
Boom length options	60/90, 60/100, 72/120, or 72/132 ft	90, 100, 120, or 132 ft	90, 100, 120, or 132 ft
	(18.3/27.4, 18.3/30.5, 22/36.5, or 22/40 m)	(27.4, 30.4, 36.5, or 40 m)	(27.4, 30.5, 36.6, or 40 m)
Automatic boom height	BoomTrac™ Pro 2 - five sensor (optional)	BoomTrac™ Pro 2 - five sensor (optional)	BoomTrac™ Pro 2 - five sensor (optional)
Plumbing material	Stainless Steel & EPDM Rubber	Stainless Steel & EPDM Rubber	Stainless Steel & EPDM Rubber
Boom material	Steel or carbon fiber	Steel or carbon fiber	Steel or carbon fiber
Ground height adjustment	19.6 to 96.5 in (50 to 245 cm)	19.6 to 96.5 in (50 to 245 cm)	19.6 to 96.5 in (50 to 245 cm)
Breakaway width	Stainless steel boom: 10.8 ft (3.3 m)	Stainless steel boom: 10.8 ft (3.3 m)	Stainless steel boom: 10.8 ft (3.3 m)
	Carbon fiber boom: 12.1 ft (3.7 m)	Carbon fiber boom: 12.1 ft (3.7 m)	Carbon fiber boom: 12.1 ft (3.7 m)
Boom sections	15 sections (nozzle control)	15 sections (nozzle control)	15 sections (nozzle control)
	13 sections with boom length: 132 ft (40.2 m)	13 sections with boom length: 132 ft (40.2 m)	13 sections with boom length: 132 ft (40.2 m)
	11 sections with boom length: 120 ft (36.6 m)	11 sections with boom length: 120 ft (36.6 m)	11 sections with boom length: 120 ft (36.6 m)
	9 sections with boom length: 100 ft (30.5 m)	9 sections with boom length: 100 ft (30.5 m)	9 sections with boom length: 100 ft (30.5 m)
	7 sections with boom length: 90 ft (27.4 m)	7 sections with boom length: 90 ft (27.4 m)	7 sections with boom length: 90 ft (27.4 m)
Nozzle spacings	15 or 20 in. (38.1 or 50.8 cm)	15 or 20 in. (38.1 or 50.8 cm)	15 or 20 in. (38.1 or 50.8 cm)
DRIVETRAIN			
Type	CommandDrive™ - Hydrostatic 4WD	CommandDrive™ - Hydrostatic 4WD	CommandDrive™ - Hydrostatic 4WD
Shifting	Infinitely variable – Operator programmable	Infinitely variable – Operator programmable	Infinitely variable – Operator programmable
Hydraulic reservoir capacity	26 gal (98.4 L)	26 gal (98.4 L)	26 gal (98.4 L)
Spray speed range	0 to 20 mph (0 to 32.2 km/h)	0 to 25 mph (0 to 40.2 km/h)	0 to 25 mph (0 to 40.2 km/h)
Transport speed, maximum	30 mph (48.3 km/h)	35 mph (56.3 km/h)	35 mph (56.3 km/h)
CHASSIS			
Dry compatible	Yes: 200 cu ft (5.7 m^3)	Yes: 200 cu ft (5.7 m^3)	Yes: 200 cu ft (5.7 m^3)
Suspension	Dual-strut independent wheel air-ride suspension	Dual-strut independent wheel air-ride suspension	Dual-strut independent wheel air-ride suspension
Crop clearance with standard tires	60 in. (152 cm)	60 in. (152 cm)	60 in. (152 cm)
Turning radius	28.5 ft (8.7 m) With optional 4WS: 18.5 ft (5.6 m)	28.5 ft (8.7 m) With optional 4WS: 18.5 ft (5.6 m)	28.5 ft (8.7 m) With optional 4WS: 18.5 ft (5.6 m)
Parking brake	Spring-engaged, hydraulically disengaged	Spring-engaged, hydraulically disengaged	Spring-engaged, hydraulically disengaged
	disk pack	disk pack	disk pack
Total weight with 90 ft (27.4 m) boom	28,318 lb (12,845 kg)	29,707 lb (13,475 kg)	31,335 lb (14,213.3 kg)
Total weight with 100 ft (30.5 m) boom	28,495 lb (12,925 kg)	29,873 lb (13,550 kg)	31,438 lb (14,260 kg)
Total weight with 120 ft (36.6 m) boom	29,068 lb (13,185 kg)	30,435 lb (13,805 kg)	31,800 lb (14,424.2 kg)
Total weight with carbon fiber boom	120 ft (36.6 m) boom: 27,963 lb (12,684 kg)	120 ft (36.6 m) boom: 29,330 lb (13,304 kg)	120 ft (36.6 m) boom: 30,594 lb (13,877.2 kg)
	132 ft (40.2 m) boom: 28,084 lb (12,739 kg)	132 ft (40.2 m) boom: 29,451 lb (13,359 kg)	132 ft (40.2 m) boom: 30,678 lb (13,915.3 kg)
TIRES			
Front tires	320/90 R46, 380/90 R46, or 420/80 R46	320/90 R46, 380/90 R46, or 420/80 R46	320/90 R46, 380/90 R46, or 420/80 R46
Rear tires	320/90 R46, 380/90 R46 CFO, or 420/80 R46	320/90 R46, 380/90 R46 CFO, or 420/80 R46	320/90 R46, 380/90 R46 CFO, or 420/80 R46
Flotation tires	VF520/85R38 - 680/55R42	VF520/85R38 - 680/55R42	VF520/85R38 - 680/55R42

600 SERIES SPRAYER SPECIFICATIONS

SPRAYER MODEL	612R	616R
ENGINE		
Make	John Deere	John Deere
Rated engine power	355 hp (265 kW)	375 hp (280 kW)
Maximum engine power	388 hp (289 kW)	415 hp (309 kW)
Displacement	549 cu in (9 L)	549 cu in (9 L)
Fuel tank capacity	149.2 gal (565 L)	149.2 gal (565 L)
SOLUTION SYSTEM		
Capacity, U.S. gallon (L)	1200 gal (4542 L)	1600 gal (6057 L)
Tank material	Stainless steel	Stainless steel
Split tank option	Tank 1: 450 gal (1,703.4 L)	Tank 1: 600 gal (2,271.2 L)
	Tank 2: 750 gal (2,839.1 L)	Tank 2: 1000 gal (3,785.4 L)
Rinse tank capacity	170 gal (646 L)	160 gal (606 L)
Quick Fill™ size	3 in (7.6 cm)	3 in (7.6 cm)
Suction strainer	20 mesh	20 mesh
Pressure strainer	50 mesh	50 mesh
Boom strainer	80 mesh	80 mesh
BOOM		
Boom length options	90, 100, 120, or 132 ft (27.4, 30.4, 36.5, or 40 m)	Steel: 90, 100, or 120 ft (27.4, 30.5, or 36.6 m)
		Carbon: 120 or 132 ft (36.6 or 40.2 m)
Automatic boom height	BoomTrac™ Pro 2 - five sensor (optional)	BoomTrac™ Pro 2 - five sensor (optional)
Plumbing material	Stainless Steel & EPDM Rubber	Stainless Steel & EPDM Rubber
Boom Material	Steel or carbon fiber	Steel or carbon fiber
Ground height adjustment	19.6 to 96.5 in (50 to 245 cm)	19.6 to 96.5 in (50 to 245 cm)
Breakaway width	Stainless-steel boom: 10.8 ft (3.3 m)	Stainless-steel boom: 10.8 ft (3.3 m)
	Carbon fiber boom: 12.1 ft (3.7 m)	Carbon fiber boom: 12.1 ft (3.7 m)
Boom sections	15 sections (nozzle control)	15 sections (nozzle control)
	13 sections with boom length: 132 ft (40.2 m)	13 sections with boom length: 132 ft (40.2 m)
	11 sections with boom length: 120 ft (36.6 m)	11 sections with boom length: 120 ft (36.6 m)
	9 sections with boom length: 100 ft (30.5 m)	9 sections with boom length: 100 ft (30.5 m)
	7 sections with boom length: 90 ft (27.4 m)	7 sections with boom length: 90 ft (27.4 m)
Nozzle spacings	15 or 20 in (38.1 or 51 cm)	15 or 20 in (38.1 or 51 cm)
DRIVETRAIN		
Type	CommandDrive™ - Hydrostatic 4WD	CommandDrive™ - Hydrostatic 4WD
Shifting	Infinitely variable – Operator programmable	Infinitely variable – Operator programmable
Hydraulic reservoir capacity	26 gal (98.4 L)	26 gal (98.4 L)
Spray speed range	0 to 25 mph (0 to 40.2 km/h)	0 to 25 mph (0 to 40.2 km/h)
Transport speed, maximum	35 mph (56.3 km/h)	35 mph (56.3 km/h)
CHASSIS		
Dry compatible	Yes: 200 or 300 cu ft (5.7 or 8.5 m^3)	Yes: 200 or 300 cu ft (5.7 or 8.5 m^3)
Suspension	Dual-strut independent wheel air-ride suspension	Dual-strut independent wheel air-ride suspension
Crop clearance with standard tires	58 in (147.3 cm)	58 in (147.3 cm)
Turning radius	30.2 ft (9.2 m)	30.2 ft (9.2 m)
Parking brake	Spring-engaged, hydraulically disengaged wet disk pack	Spring-engaged, hydraulically disengaged wet disk pack
Total weight with 90 ft (27.4 m) boom	34,421 lb (15,613 kg)	36,017 lb (16,337 kg)
Total weight with 100 ft (30.5 m) boom	34,593 lb (15,691 kg)	36,120 lb (16,384 kg)
Total weight with 120 ft (36.6) boom	35,153 lb (15,945 kg)	36,482 lb (16,548 kg)
Total weight with carbon fiber boom	120 ft (36.6 m) boom: 34,048 lb (15,444 kg)	120 ft (36.6 m) boom: 35,276 lb (16,001 kg)
	132 ft (40.2 m) boom: 34,169 lb (15,499 kg)	132 ft (40.2 m) boom: 35,360 lb (16,039 kg)
TIRES		
Front tires	380/105 R50, 420/95 R50, or 480/80 R50	380/105 R50, 420/95 R50, or 480/80 R50
Rear tires	380/105 R50, 420/95 R50, or 480/80 R50	380/105 R50, 420/95 R50, or 480/80 R50
Flotation tires	VF520/85R46 - 800/55R46	VF520/85R46 - 800/55R46

HAGIE STS SPRAYER SPECIFICATIONS

SPRAYER MODEL	STS12	STS16	STS20
ENGINE			
Make	John Deere	John Deere	John Deere
Rated engine power	300 hp (221 kW)	400 hp (298 kW)	400 hp (298 kW)
Emissions	Final Tier 4 (FT4)	Final Tier 4 (FT4)	Final Tier 4 (FT4)
Number of cylinders	Six	Six	Six
Displacement	548 cu in (9 L)	548 cu in (9 L)	548 cu in (9 L)
Alternator	300 amp	300 amp	300 amp
Fuel tank capacity	130 gal (492 L)	130 gal (492 L)	135 gal (511 L)
Diesel exhaust fluid (DEF) tank capacity	7.7 gal (29 L)	7.7 gal (29 L)	7.7 gal (29 L)
SOLUTION SYSTEM			
Capacity	1200 gal (4400 L)	1600 gal (6056 L)	2000 gal (7570 L)
Tank material	Stainless steel	Stainless steel	Stainless steel
Rinse tank capacity	120 gal (454 L)	160 gal (378.5 L)	200 gal (757 L)
Quick fill size	3 in (7.6 cm)	3 in (7.6 cm)	3 in (7.6 cm)
Automatic section control	Optional	Optional	Optional
Solution system control	SprayStar™	SprayStar™	SprayStar™
Fill location	Standard: Side and Front Optional: Front Control Pad	Standard: Side and Front Optional: Front Control Pad	Standard: Side and Front Optional: Front Control Pad
Chemical injection method	Optional: John Deere ExactInject	Optional: John Deere ExactInject	Optional: John Deere ExactInject
Chemical eductor	Optional	Optional	Optional
Chemical eductor capacity (size)	5 gal (19 L)	5 gal (19 L)	5 gal (19 L)
Flow meter size	2 in (5.8 cm)	2 in (5.8 cm)	2 in (5.8 cm)
Pressure strainer	50 mesh	50 mesh	50 mesh
Boom strainer	Standard 80 mesh	Standard 80 mesh	Standard 80 mesh
BOOM			
Boom length options	Hybrid steel and aluminum: 60/90, 60/100, 60/120, or 70/132 ft (18/27, 18/30, 18/36, or 21/40 m)	Hybrid steel and aluminum: 60/90, 60/100, 60/120, or 70/132 ft (18/27, 18/30, 18/36, or 21/40) m	Hybrid steel and aluminum: 60/90, 60/100, 60/120, or 70/132 ft 18/27, 18/30, 18/36, or 21/40 m
Automatic boom height	BoomTrac™ Pro 2	BoomTrac™ Pro 2	BoomTrac™ Pro 2
Plumbing material	Stainless steel	Stainless steel	Stainless steel
Ground height adjustment	23 to 107 in (58 to 272 cm)	23 to 107 in (58 to 272 cm)	23 to 107 in (58 to 272 cm)
Breakaway width	For 90 ft (27 m) booms: 5 ft (1.5 m) For 60/100 or 60/120 ft (18/30 or 18/36 m): 10 ft (3 m) For 132 ft (40 m) booms: 11 ft (3.3 m)	For 90 ft (27 m) booms: 5 ft (1.5 m)) For 60/100 or 60/120 ft (18/30 or 18/36 m): 10 ft (3 m) For 132 ft (40 m) booms: 11 ft (3.3 m)	For 90 ft (27 m) booms: 5 ft (1.5 m) For 60/100 or 60/120 ft (18/30 or 18/36 m): 10 ft (3 m) For 132 ft (40 m) booms: 11 ft (3.3 m)
Boom sections	On 90 ft (27 m) boom: 7 sections On 100, 120, 132 ft (30, 36, 40 m) booms: 9 sections	For 90 ft (27 m) booms: 5 ft (1.5 m) On 100, 120, 132 ft (30, 36, 40 m) booms: 9 sections	On 90 ft (27 m) boom: 7 sections On 100, 120, 132 ft (30, 36, 40 m) booms: 9 sections
DRIVETRAIN			
Type	CommandDrive™	CommandDrive™	CommandDrive™
Drive	Full-time four-wheel drive (4WD)	Full-time four-wheel drive (4WD)	Full-time four-wheel drive (4WD)
Shifting	Infinitely variable - Operator programmable	Infinitely variable - Operator programmable	Infinitely variable - Operator programmable
Hydraulic reservoir capacity	30 gal (113.5 L)	30 gal (113.5 L)	30 gal (113.5 L)
Spray speed range	0.5 to 25 mph (0.8 to 40 km/h)	0.5 to 25 mph (0.8 to 40 km/h)	0.5 to 25 mph (0.8 to 40 km/h)
Transport speed, maximum	35 mph (56 km/h)	35 mph (56 km/h)	35 mph (56 km/h)

SPRAYER MODEL	STS12	STS16	STS20
CHASSIS			
Dry compatible	Montag® Fortifier	No	No
Suspension	Independent air-ride	Independent air-ride	Independent air-ride
Crop clearance with standard tires	74 in (188 cm)	74 in (188 cm)	74 in (188 cm)
Front tires	VF320/105R54, VF380/90R54, VF380/105R50, VF420/95R50, VF480/80R50	VF320/105R54, VF380/90R54, VF380/105R50, VF420/95R50, VF480/80R50	VF380/90R54, VF380/105R50, VF420/95R50, VF480/80R50
Rear tires	VF320/105R54, VF380/90R54, VF380/105R50, VF420/95R50, VF480/80R50	VF320/105R54, VF380/90R54, VF380/105R50, VF420/95R50, VF480/80R50	VF380/90R54, VF380/105R50, VF420/95R50, VF480/80R50
Flotation tires	VF480/80R50, IF710/65R46	VF480/80R50, IF710/65R46	VF480/80R50, IF710/65R46
Hydraulic tread adjust	Standard	Standard	Not available
Wheel tread spacing	120 to 160 in (305 to 406 cm)	120 to 160 in (305 to 406 cm)	120 in (305 cm)
Wheel base	152 in (386 cm)	180 in (457 cm)	180 in (457 cm)
Turning radius	With all-wheel steer (AWS) on: 17.3 ft (5.3 m) With AWS off (center of outside tire): 25.6 ft (7.8 m)	With all-wheel steer (AWS) on: 5.8 m (18.9 ft) With AWS off (center of outside tire): 8.9 m (29.2 ft)	With all-wheel steer (AWS) on: 5.8 m (18.9 ft) With AWS off (center of outside tire): 8.9 m (29.2 ft)
Parking brake	Integrated in final drives	Integrated in final drives	Integrated in final drives
Primary brakes	Drive system dynamic braking	Drive system dynamic braking	Drive system dynamic braking
Ladder raise/lower	Hydraulic	Hydraulic	Hydraulic
Total weight with 120 ft (36.6 m) boom with ExactApply	33,900 lb (15,377 kg)	34,440 lb (15,622 kg)	35,700 lb (16,193 kg)
OPTIONS			
Air compressor	Onboard air	Onboard air	Onboard air



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