



HAGIE



Building an Innovative Family Since 1947

In 1947, Ray Hagie brought to market the world's first self-propelled sprayer, leading to the founding of Hagie Manufacturing Company. In the decades to follow, the company has continued to build upon its robust heritage in innovation and an industry-wide reputation for being quick-to-market with solution driven products that optimize customer growth. In 2016, Ray Hagie was named to the distinguished Association Of Equipment Manufactures Hall of Fame, honoring pioneering individuals whom have made a significant and lasting impact on the agriculture industry.

What happens when the two industry leaders in application equipment are leveraged together? On March 29, 2016, Hagie Manufacturing Company, LLC. entered into a joint venture with John Deere. The incorporation of Hagie application solutions completes the John Deere sprayer portfolio with products featuring unique late season capability, while also expanding the Hagie company footprint to serve more customers across the John Deere distribution network. A partnership designed to capture the synergies and strengths of both brands, this relationship is designed with the benefit of our customers in mind.



EXPERIENCE HAGIE

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THE HAGIE ADVANTAGE

For over 70 years, Hagie products have been built upon a rich heritage in innovation, while continuing to evolve with the same purpose of solving problems today. This “evolution” is what keeps the products capable of meeting ever changing customer needs. One may think that clearance, weight, or the front mounted boom may offer the biggest advantage; however the real advantage lies much deeper than features. The true Hagie

Advantage comes from a deeply ingrained desire to help customers solve problems. Every feature is designed with customer need in mind, while many features are derived through customer ideas. Rapid evolution, or value creation, happens when great customers work with great engineers who understand customer need. This seemingly simple principle is truly the fundamental Hagie Advantage.

Better **PLACEMENT** and **TIMING** over conventional application of
FERTILIZER • FUNGICIDE • HERBICIDE • INSECTICIDE
Can incrementally **Increase** your **Bottom Line**

Timely Application of Herbicide

A lightweight and well-balanced machine allows you in the field earlier. Missing a spray window and early season weed competition can cause a 3% yield loss.

6.0 bu/A protected
x \$3.33 cash corn price
\$19.98 /A advantage

data on file



Precise Application of Fungicide

By utilizing Hagie high clearance equipment, fungicide applications perform better than aerial applied fungicide.

8.3 bu/A increase
x \$3.33 cash corn price
\$27.64 /A advantage

data on file



Superior Nitrogen Placement

Experience a yield increase with split applied sidedress N compared to applying 100% of your N at pre-plant.

11.8 bu/A increase
x \$3.33 cash corn price
\$39.29 /A increase
- \$5.00 /A application cost
\$34.29 /A advantage

data on file



Already split apply?
Gain 5.9 bu/A by moving application from V4 to V10.
5.9 bu/A increase
x \$3.33 cash corn price
\$19.65 /A advantage

DTS10

In a Class of its Own

The Hagie Dual Tank System (DTS) sprayers have decades of proven application performance across many crops around the world.

When you combine 1,000 gallon capacity (3,800 L) with a dry weight of 20,000 lbs. (9,100 kg) together in a design that is balanced front-to-back and side-to-side, the end result is a machine that is in a class of its own.

The lightweight DTS10 allows you access into the field earlier, when the soil conditions may not otherwise support a heavier machine, while still providing the capability to efficiently perform full-season applications.

Featuring saddle solution tanks, owners of the DTS10 appreciate the low center gravity of the machine design, providing optimal performance and stability while operating on challenging terrain.

Coupling these features with the high clearance frame design, owners are equipped with a full-season applicator for those needing enhanced versatility and optimal field efficiency.

The DTS10 is the ultimate small, lightweight self-propelled sprayer that offers incredible value to those seeking proven application performance in all types of challenging terrain and field conditions.





All Access Platform

The platform was designed to access all major top areas of the machine with ease.

Open Inspection Areas

All vital engine fluids are easily visible without the need to open the hood. Convenient electronic hood opener for getting access to the machine components for service.

Tier 4 Cummins® 6.7 engine

Strong, reliable and powerful describes the Cummins® 6.7 Tier 4 engine in the DTS10. It is rated at 225 horsepower and makes long days covering hundreds of acres a breeze.



Photo provided by Cummins Inc.

1,000 Gallon Capacity

The two solution tanks are centrally mounted low between the axles to give the DTS10 one of the best weight splits and centers of gravity on the market. Each tank has an uncontaminated sight gauge that is visible from the ground and cab.

Rear Fill Area

Both the solution and rinse tanks are filled at the rear of the machine. A conveniently located switch on the automatic folding ladder allows the user to fill both solution tanks separately or simultaneously. A light switch for illuminating walkway to the cab is also located at the fill area.



60/80' or 60/90' Booms

Both booms fold at 60' to match planter widths. The booms are designed not only to aid in strength but to have better visibility when transporting. The majority of lines and harnesses are routed and secured in a C channel that forms the upper boom structure for protection and through-boom visibility. The booms are available with Air Purge.

Fuel/Rinse Module

Fuel and rinse tanks are located here. Also, a center mounted toolbox allows storage location for personal protective equipment, provided tools, spray tips, etc.

Rinse Tank Fill

100-gallon rinse tank fill station that also can be easily filled from the rear fill assembly.

Fuel/Foam Fill

100-gallon fuel tank and foam marker concentrate reservoir.



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DTS10

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DTS10





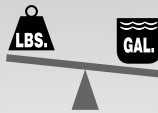














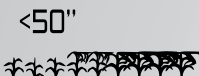











































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“The proven dependability of my DTS10 allows me to go to the field with the added confidence that I will be able to seamlessly and efficiently perform applications all day long.”

CRAIG MARTIN
DTS10 Owner
North Central, IA

UNDER 1,000 GALLON MARKET

Model	Clearance	Weight	Weight Split	Weight/Gallon	Turn Radius	Cab Glass Area	Attachments	Capacity
 DTS10	72" 	 20,200		 20.2 lbs.	 12.04' 15'	 150 sq. ft.	 Spray Only	 1000 gal
 RG700	<50" 	 19,500		 26.4 lbs.	 20' 15'	 150 sq. ft.	 Spray Only	 700 gal
 RG900	<50" 	 29,500		 32.7 lbs.	 21' 15'	 150 sq. ft.	 Spray & Spread	 900 gal
 2250	<62" 	 18,600		 30.8 lbs.	 22.58' 15'	 150 sq. ft.	 Spray Only	 600 gal
 3240	<62" 	 23,480		 29.4 lbs.	 23.25' 15'	 150 sq. ft.	 Spray Only	 800 gal
 SP240F	72" 	 25,500		 25.5 lbs.	 15' 15'	 150 sq. ft.	 Multiple Attachments	 1000 gal
 RS730	<50" 	 19,700		 26.3 lbs.	 18.75' 15'	 150 sq. ft.	 Spray Only	 750 gal

Based on marketing materials and gathered measurements on 6/9/2017

2,000 lbs. 150 lbs.

Loaded weight

Weight per gallon of capacity

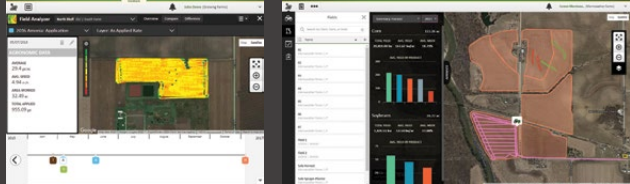
With best available steering option

Sq. ft. of glass each cab has.

DTS/STS precision options


John Deere Precision Ag Technologies

JDLink™ Connect



JDLink Connect uses the newest 4G MTG LTE cellular modem to establish a remote connection to the field that enables precision tools.

- John Deere Machine Sync - Coverage map and guidance line sharing.
- John Deere Operations Center - Online set of tools and connected mobile apps where farm information is accessible, anytime, anywhere.





- GreenStar™ 3 2630 Display** - The John Deere GreenStar™ 3 2630 Display is a 10.4-in display featuring a full-color touchscreen for controlling a variety of precision ag applications and documentation.
- AutoTrac™: Integrated steering system that automatically controls the machine through the field.
 - John Deere Section Control: automatically turns sprayer sections on or off to reduce overlap and maximize input investment.



- StarFire™ 6000 Receiver** - The StarFire 6000 Receiver implements an improved antenna, the latest in Global Navigation Satellite System signal processing technology, and a new differential correction signal.



- John Deere Rate Controller 2000** - John Deere's next generation universal rate control solution that builds on the success of the current controllers and provides a platform for increased functionality.



- **Direct Chemical Injection** - Chemical injection kits are available on all models of Hagie sprayers. The injection pumps are compatible with Ag Leader, John Deere, and Raven precision options. All chemical injection kits include a 5 - 200 oz/minute Raven injection pump, mixer assembly, and a visual flow indicator that can be seen from the cab.



Injection unit shown installed on DTS10.

NORAC BOOM HEIGHT CONTROL

The Norac boom height control system uses ultrasonic sensors to control the spray boom to a preset height. The Norac system utilizes sensors mounted on the left, right and center section to automatically control the spray boom above the ground or the crop.

DTS10

STSseries

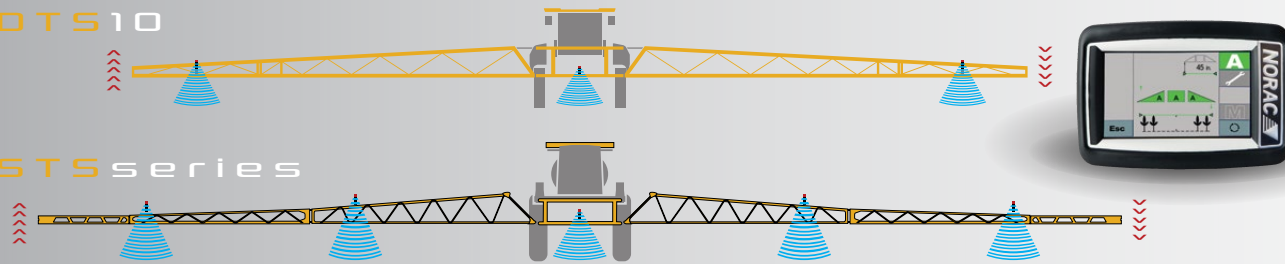


Image shown with severe terrain option.

RAVEN Precision Options



- **Viper 4+** - Powerful new fourth generation Viper field computer. The Viper 4+ is powered by the innovative Raven Operating Software, providing a simple and connected precision ag platform.
- **Rate Control** - The Raven Rate Control Module (RCM) is the next generation in precision application rate control. It uses Raven's innovative control algorithms to make it the most precise application controller on the market today.
- **SmarTrax™** - steering system lets you redefine the limits. That includes faster operating speeds, best-in-class line acquisition and easier, more relaxed driving.

AG LEADER Precision Options



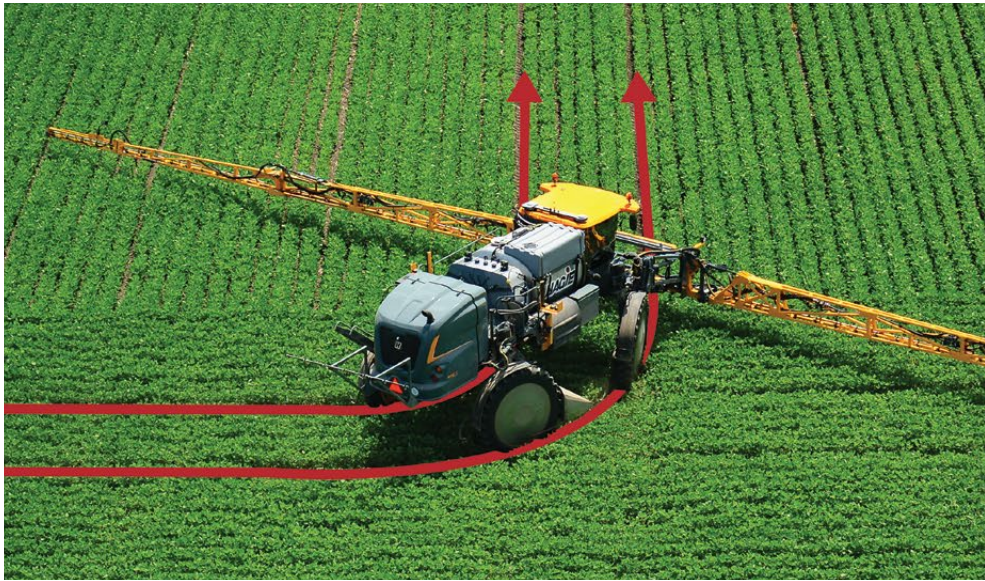
- **InCommand™** - Improves real-time decision-making with features such as enhanced mapping with row-by-row detail and split screen view which will allow growers to identify machine control issues easier and sooner.
- **DirectCommand™** - Total liquid application control to meet today's challenges. Ease of use, coverage, low flow situations, performance, documentation and reliability are all addressed. Features like droplet size monitoring and pressure fallback ensure liquid products are applied correctly - efficiently and correctly to avoid spray drift and for proper plant coverage.
- **SteerCommand®** - For growers seeking an integrated steering experience. SteerCommand offers best-in-class integrated steering performance. Paired with GPS 6500 for repeatable, precision steering via correction source of your preference - from WRS to TerraStar and RTK.

DTS10/STSseries

DTS10/STSseries

DTS/STS features/options

AWS - All Wheel Steer



The All Wheel Steering (AWS) option is designed so the front and rear wheels are coordinated to follow the same path to minimize crop damage and ground disturbance.



Lighting



Making timely applications sometimes means working late into the night. The Night spray and premium LED light options help get the product applied when you need to, no matter the time of day.



Backup Camera

The backup camera comes standard to aid in safety and minimizing crop damage while reversing the machine.



Pressure Washer

The optional on board pressure washer for rinsing off your machine before performing infield maintenance and rinsing off product before leaving the field.



Tall Crop Package

Perform late season applications with reduced crop damage and enhanced protection of your DTS and STS sprayer. Hagie's Tall Crop Package option includes crop dividers, wheel covers, under frame covers and front shielding.



1,000 - 1,200 GALLON MARKET

Model	Clearance	Weight	Wt. Split	Weight/Gallon	Turn Radius	Cab Glass Area	Attachments	Capacity
STS10	72"	27,040		27.0 lbs.	12.04'	150 sq ft	Multiple Attachments	1000 gal
STS12	72"	27,920		23.3 lbs.	12.04'	150 sq ft	Multiple Attachments	1200 gal
RG1100	<50"	31,270		28.4 lbs.	15'	150 sq ft	Spray & Spread	1100 gal
3340	<62"	25,060		25.1 lbs.	23.25'	150 sq ft	Spray Only	1000 gal
SP295F	72"	28,100		23.4 lbs.	15'	150 sq ft	Multiple Attachments	1200 gal
RS1030	<50"	19,500		16.25 lbs.	18.75'	150 sq ft	Spray Only	1200 gal

Based on marketing materials and gathered measurements on 6/9/2017 | 2,000 lbs. 150 lbs. | Loaded weight | Weight per gallon of capacity | With best available steering option | Sq. ft. of glass each cab has.

Narrow Leg Design

Many think that the key to spraying tall crops is clearance, however leg design is a key feature of late season sprayers and, in many cases, can be as important as clearance. Hagie products are designed to be no wider than 20" (50.8cm) at hub height and taper from bottom to top in effort to reduce crop damage from machine contact.



Machine Control Display

All 2018 Hagie products feature a new display for improved operator feedback and control. The new display is considerably larger and provides a sharper image. It is 100% touch screen with virtual buttons positioned along the right side for easy access in field. The new controller is considerably faster providing quicker start-ups and responsive control. New features include virtual rinse control, improved drive system set-up, and customizable in-field lighting to name a few.



DTS10/STS series

Advanced Application Cab

Long hours have never been as comfortable as they are in the Hagie application specific cab. Designed for one purpose and one purpose only, spraying.

The cab can be configured in either standard or premium options. Premium cab option adds Bluetooth®, a premium heated/cooled leather seat, power mirrors & auto climate control will help you make the most of this mobile office.

The Sy-Klone Air Filtration System and RESPA® Cab Filter work together to provide continuous fresh, clear air in the operator station. The external Sy-Klone system provides positive air pressure keeping the cabin pressurized and contaminates out. The internal RESPA® system continually filters and circulates the air in the cab. The two work together to keep the interior safe and clean of contaminates.



After utilizing the hand wash station outside the cab door use the standard hands free door opener.



Rear Boom

The optional rear boom allows the center section of the main boom to be diverted to the rear boom to provide superior fungicide application in post-tassel corn after the crop has passed under the machine.



Tool Kit

Included with each DTS and STS is a proprietary tool kit for changing nozzle bodies, strainers and spanner wrenches for removing fittings and end caps on the boom.



Magnicoat Hardware Coating

Increased resistance to corrosion. Even in the presence of Nitrogen.



1,200 - 1,600 GALLON MARKET									
Model	Clearance	Weight	Wt. Split	Weight/Gallon	Turn Radius	Cab Glass Area	Attachments	Capacity	
STS12	72"	27,920		23.3 lbs.	12.04' 15°		Multiple Attachments	1200 gal	
STS14	72"	29,266		20.9 lbs.	18.75' 15°		Multiple Attachments	1400 gal	
STS16	72"	29,409		18.3 lbs.	18.75' 15°		Multiple Attachments	1600 gal	
RG1300	<50"	31,890		23.9 lbs.	23' 15°		Spray & Spread	1300 gal	
4440	<62"	27,400		22.8 lbs.	24.75' 15°		Spray Only	1200 gal	
SP295F	72"	28,100		23.4 lbs.	15' 15°		Multiple Attachments	1200 gal	
SP345F	72"	28,900		20.6 lbs.	13.5' 15°		Multiple Attachments	1400 gal	
SP400F	72"	31,300		19.6 lbs.	15' 15°		Multiple Attachments	1600 gal	
Based on marketing materials and gathered measurements on 6/9/2017									
		2,000 lbs. 150 lbs.	Loaded weight	Weight per gallon of capacity	With best available steering option	Sq. ft. of glass each cab has.			

STS series

A One Machine Solution for Every Application Need

You have high expectations for the return on your equipment investments. In economic times of tight margins, you need more value. Hagie STS owners utilize their machine as a risk management tool, putting full-season crop protection and nutrient management capability in their hands.

There is no other machine in your fleet offering such a wide spectrum of application versatility. This is why Hagie sprayers are

often referenced as the last piece of equipment to be put away over winter and the first to be brought out for use at the start of the season.

How do you value uptime? The versatility and the increased solution capacity of a Hagie STS, packaged within the lightweight and balanced machine design, enhances capability to perform applications with minimal crop damage in the most adverse conditions.

Boost efficiency and reduce operator fatigue with the front mounted boom, while operating from the comfort of the industry leading cab design.

When you are looking for increased efficiency, the STS product portfolio is your solution for full-season risk management to boost yield productivity. When you demand more of your equipment, Hagie returns on your investment.



STS SERIES

STS SERIES

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The STS14 and STS16 have always been the machines of choice for customers focused on productivity. The largest machines in the industry now have more to boast about. Both are now powered with the 9.0L John Deere

engine coupled to a new high performance cooling package improving fuel efficiency. The new power plant is housed under a new hood including an integrated tool box and air intake scoop. The right side of the chassis features

new fuel and DEF tanks as well as a service ladder and platform for improved machine access. These are just a few of the features making the high capacity STS machines the most productive sprayers available today.



All Access Platform

The platform was designed to access all major top areas of the machine with ease.

Improved Refueling

6' of under frame clearance presents an interesting challenge from a fueling standpoint but the newly designed fuel/DEF layout on the right side of the STS14 and STS16 makes the process easier than ever. Fuel and DEF can be added on the right side using the standard fueling ladder that stows nicely under the tank, eliminating the need to drag a hose up the main ladder and across the frame.



Redesigned Hood

Now underneath the redesigned hood is a John Deere 9.0L engine with 300 hp (STS14) and 375 hp (STS16). Not just for looks, the new hood provides improved cooling and a storage compartment.



STS14 & 16



Side or Rear Fill Options

Front fill on the STS is standard while two separate fill options are offered - side fill (with eductor operation), and rear fill for convenience in filling the solution and rinse tanks from the location of choice.



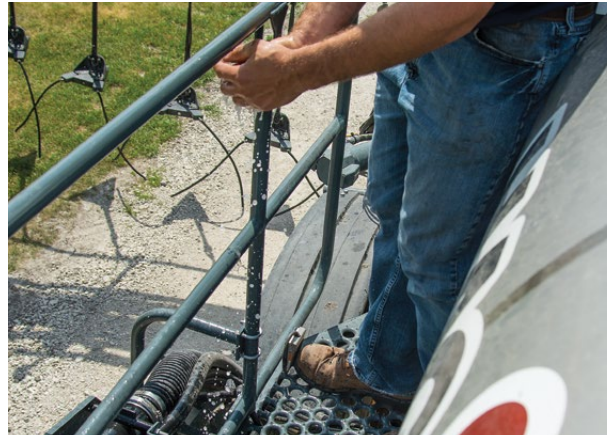
The side fill option features reduced fill time at 300+ GPM. The eductor assembly is lowered/raised and transfer pump speed is increased/decreased by operating the power switches on the control panel.



The rear fill station is conveniently located on the ladder and users are able to fill both the solution tank and the rinse tank.

Hand Wash Station

Conveniently located on the platform before you enter the cab to keep contamination of the cab to a minimum.



Quick-Tach

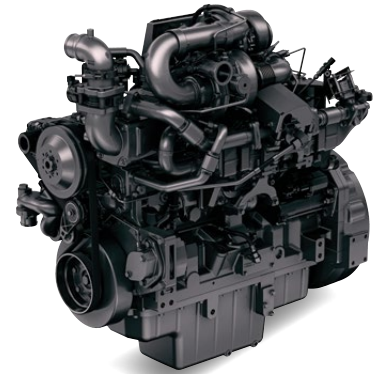
The Quick-Tach multi-coupler for increased simplicity and efficiency in switching attachments.



Power and Efficiency

When you are spending long days in the field, you want all the power and efficiency you can get your hands on.

New to the STS14 & 16 are John Deere PowerTech™ PSS 9.0L Tier 4 engines producing 300 & 375 horsepower respectively.



The STS10 & 12 are equipped with a Cummins® QSB, 6.7L Tier 4 Final engine with 300 horsepower.



STS Tire Options

Tire options available for your preference of comfort, traction and width that allows you to run your STS for the full season.

- Goodyear UltraSpray IF380/85R46
- Firestone Radial IF380/105R50
- Goodyear UltraSpray 380/90R46
- Michelin SprayBib 380/90R46
- Goodyear UltraSpray 320/105R54
- Michelin SprayBib 420/95R50
- Goodyear VF480/95R50
- Michelin 620/70R38
- Goodyear LSW680/55R42
- Alliance 550 650/65R38
- Alliance 550 520/85R38



STS SERIES



STS SERIES



NITROGEN solutions

STSSERIES

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Split applied nitrogen stands out as a practice that can increase nitrogen use efficiency by giving producers the opportunity to make rate decisions closer to the time of peak plant demand. With this approach, in-season applications may reduce the total amount of nitrogen used (cost savings), while making more available to the crop when it needs it (yield increase).

Hagie offers options to fit the various needs of those who want to sidedress across an extended window of crop growth. The Hagie Nitrogen Toolbar attachment for the STS lineup uses high pressure injection coulter units for belowground placement. Our partnership with 360 Yield Center ensures compatibility between booms on the STS and DTS models

with the 360 Y-Drop® for next to plant placement.

New for 2018 is the Hagie dual product system, available on STS12 and STS16 models. Utilizing products like the 360 Undercover® allows application of nutrients and fungicide/insecticide in the same pass. By applying both in the same pass saves time and money.



NITROGEN toolbar (NTB)



The Hagie Nitrogen Toolbar (NTB) has been an attachment for the Hagie STS for over a decade. It stands out as a tool that can increase nitrogen use efficiency by giving producers the opportunity to make nitrogen rate decisions closer to the time of peak demand. As part of a split

application approach, in-season applications may reduce the total amount of nitrogen used while making more available to the crop when it needs it. The results can be twofold - 1. Fewer dollars spent on nitrogen inputs, and 2. Yield increases because nitrogen is a non-limiting factor.

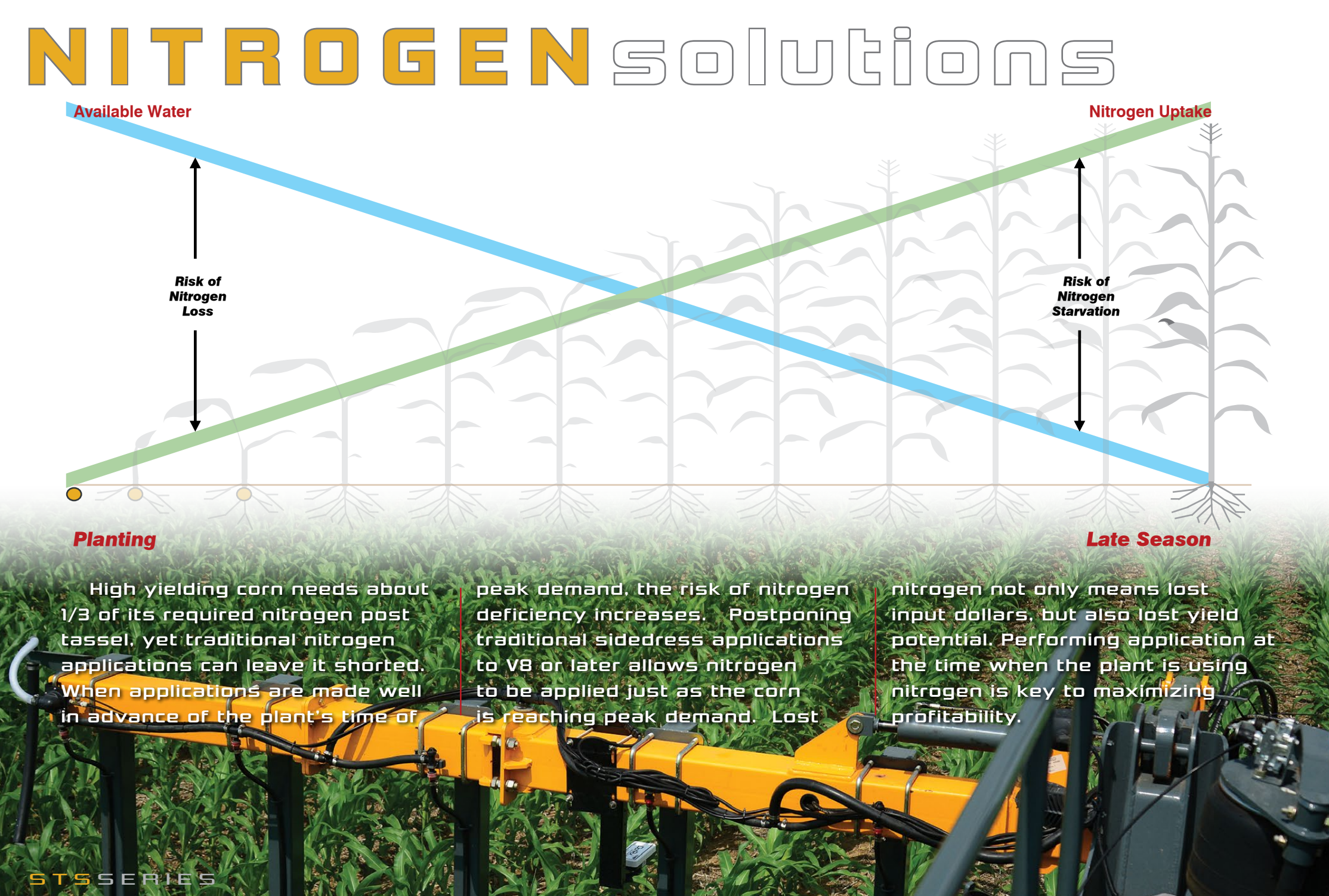
FEATURES:

- 30' and 40' width
- 20" and 30" spacing
- Float design to contour the ground
- 4 standard gauge wheels for depth control and storage
- Standard coulter depth bands to control injection depth of individual row units
- 8 to 10 mph average application speed

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STSSERIES

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ST5 SERIES

DUAL product

One Pass, Nurture and Protect

Performing two tasks in a single pass has been a sought after technique to improve application efficiency for decades. The need for in season nitrogen management has driven the demand for making nutrient applications at the same time as pesticide applications. The Hagie dual product system available on the ST512 and ST516 machines has the ability to accurately and variably place nutrients in the root zone while at same time making targeted applications of pesticides on plant tissue. The Hagie dual product system is quite possibly the most versatile tool available today for nurturing and protecting crops from emergence to harvest.

360 Undercover

- Flexible fungicide, insecticide and nutrient applications
- Under-canopy application
- Targeted application

Placement of pesticide

Placement of nutrients

ST5 SERIES

BOOM options



The boom is no doubt the most important and complex part of any sprayer on the market today. At its most basic level, the boom needs to support the spray distribution system out to a desired width, yet Hagie booms are

designed to do so much more. Our booms protect the tips, the structure, and the machine while reducing downtime and reducing cost. Even product distribution is achieved via a combination of fast and accurate boom

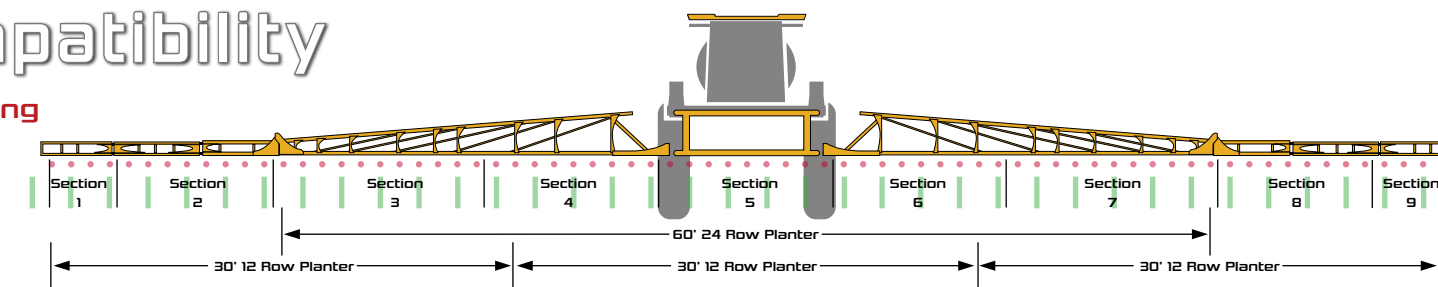
height control and pressure balance. Finally, Hagie's light-weight clean boom design increases application speed by reducing overall machine weight and ease of operation.

FEATURES:

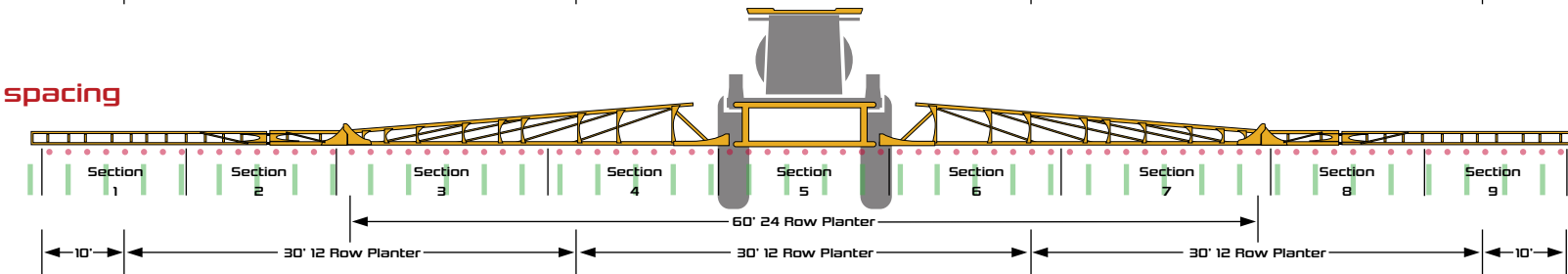
- 90, 100, 120, 132 ft. (27, 30, 36, 40 m) widths
- 18 - 104" (46-264cm) under tip height range
- Hypro Xpress end fittings
- Optional Air Purge
- 3 directional tip breakaway (120' - 36m only)
- 60' (18m) main folds standard
- Standard boom section strainers
- On-boom manifold pressure gauge

FLEET compatibility

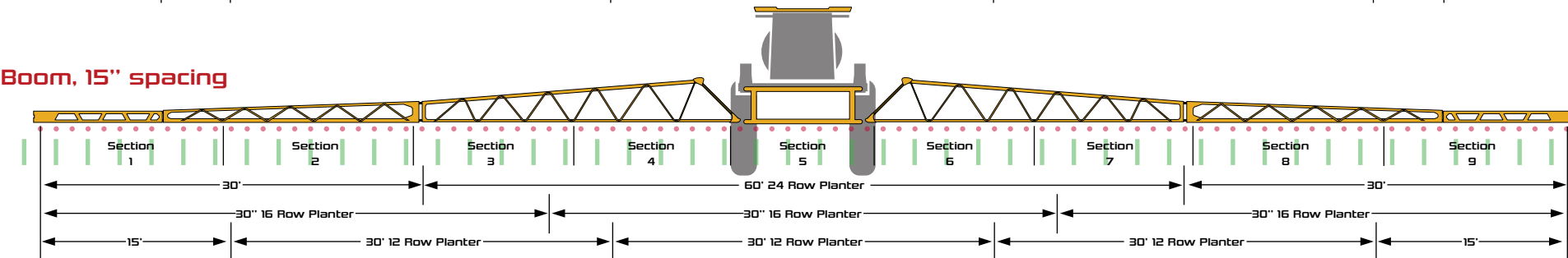
90' Boom, 15" spacing



100' Boom, 15" spacing



120' Boom, 15" spacing



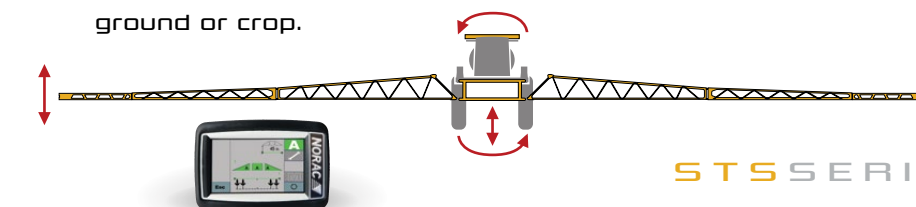
New 120' Boom

Our engineers utilized steel on the center and inner wing sections of the boom because of the strength and fatigue properties of steel. Beyond the first fold the boom is composed of aluminum. By using both materials the boom can boast a strong and durable inner section while staying light on the extremities. To create a more rigid feel in the field, the boom automatically locks in the unfolded position by pinning the 1-2 joint. Beyond section 2 the final piece of

the boom is a box type breakaway for protecting the spray bodies from trees, fences or the occasional ground strike. These and many other exclusive features are driving customer demand for this new 120' boom designed especially for the Hagie STS. The boom design was not only to aid in strength but to have better visibility when transporting. The C channel on the top of the boom is where most of the plumbing is routed to minimize obstructions.

NORAC Active Wing Roll (AWR)

Premier height control solution designed specifically for the new 120' boom. AWR was developed for inconsistent and challenging terrain. The AWR system controls the main lift cylinders while independently controlling each wing cylinder. The AWR system hydraulically links the left and right wings together to simulate roll without manipulating the center section to maintain an ideal, pre-set height above the ground or crop.



STS SERIES

SPECIFICATIONS	DTS10	ST510	ST512	ST514	ST516
ENGINE					
Make	Cummins® Q5B 6.7 liters	Cummins® Q5B 6.7 liters	Cummins® Q5B 6.7 liters	John Deere PowerTech™ P55 9.0L	John Deere PowerTech™ P55 9.0L
Peak rated power	225 hp (167 kW) - Final Tier 4	300 hp (221 kW) - Final Tier 4	300 hp (221 kW) - Final Tier 4	300 hp (221 kW) - Final Tier 4	375 hp (279 kW) - Final Tier 4
Power bulge				330 hp (246 kW)	413 hp (308 kW)
Displacement	409 cu. in. (6.7 L)	409 cu. in. (6.7L)	409 cu. in. (6.7L)	548 cu. in. (9.0 L)	548 cu. in. (9.0 L)
Fuel tank capacity	50 gal. (2 tanks) - 189 L (2 tanks)	135 gal. (510 L)	135 gal. (510 L)	175 gal. (662 L)	175 gal. (662 L)
SOLUTION SYSTEM					
Capacity, U.S. gallon (l)	500 (2 tanks) gal. - 1,890 (2 tanks) L	1,000 gal. (3,800 L)	1,200 gal. (4,500 L)	1,400 gal. (5,300 L)	1,600 gal. (6,000 L)
Tank material	Poly	Poly, (Std.) Stainless (Opt.)	Stainless	Stainless	Stainless
Rinse tank capacity	55 gal. (208 L)	100 gal. (380 L)	100 gal. (380 L)	100 gal. (380 L)	100 gal. (380 L)
Quick Fill™ size	2 in. (5.1 cm) - Rear Mount	3 in. (7.6 cm)	3 in. (7.6 cm)	3 in. (7.6 cm)	3 in. (7.6 cm)
Rate control make	Deere, Raven / Rg Leader opt.	Deere, Raven / Rg Leader opt.	Deere, Raven / Rg Leader opt.	Deere, Raven / Rg Leader opt.	Deere, Raven / Rg Leader opt.
Precision ag equipment	Deere 2630	Deere 2630	Deere 2630	Deere 2630	Deere 2630
Suction strainer	N/A	N/A	N/A	N/A	N/A
Pressure strainer	50 mesh	50 mesh	50 mesh	50 mesh	50 mesh
Boom strainer	Optional (80 mesh)	Standard (80 mesh)	Standard (80 mesh)	Standard (80 mesh)	Standard (80 mesh)
BOOM					
Boom width options	80, 90 ft. (24, 27 m)	90, 100, 120, 132 ft. (27, 30, 36, 40 m)	90, 100, 120, 132 ft. (27, 30, 36, 40 m)	90, 100, 120, 132 ft. (27, 30, 36, 40 m)	90, 100, 120, 132 ft. (27, 30, 36, 40 m)
Plumbing material	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Ground height adjustment	23 - 101 in. (58 - 257 cm)	18 - 104 in. (46 - 264 cm)	18 - 104 in. (46 - 264 cm)	18 - 104 in. (46 - 264 cm)	18 - 104 in. (46 - 264 cm)
Breakaway length	10 ft. (3 m)	10, 12.5, 15 ft. (3, 3.8, 4.6 m)	10, 12.5, 15 ft. (3, 3.8, 4.6 m)	10, 12.5, 15 ft. (3, 3.8, 4.6 m)	10, 12.5, 15 ft. (3, 3.8, 4.6 m)
Boom sections	5	9	9	9	9
DRIVETRAIN					
Type Drive	Hydrostatic	Hydrostatic	Hydrostatic	Hydrostatic	Hydrostatic
Shifting	2 Ranges Field, 3 Ranges Road	Infinitely Variable	Infinitely Variable	Infinitely Variable	Infinitely Variable
Hydraulic reservoir capacity	25 gal. (95 L)	50 gal. (190 L)	50 gal. (190 L)	50 gal. (190 L)	50 gal. (190 L)
Spray speed	20 mph (32 km/h)	20 mph (32 km/h)	20 mph (32 km/h)	20 mph (32 km/h)	20 mph (32 km/h)
Transport speed	30 mph (45 km/h)	35 mph (56 km/h)	35 mph (56 km/h)	35 mph (56 km/h)	35 mph (56 km/h)
CHASSIS					
Dry spinner spreader compatible	N/A	N/A	N/A	N/A	N/A
Suspension	Independent air-ride	Independent air-ride	Independent air-ride	Independent air-ride	Independent air-ride
Ground clearance with standard tires	73 in. (182 cm)	72 in. (183 cm)	72 in. (183 cm)	72 in. (183 cm)	72 in. (183 cm)
TIRES					
Factory-installed	380/80R38	380/85R46	380/85R46	380/85R46	380/85 R46
Options	320/80R42, VF420/85R34 540/65R30	320/90R50, 320/105R54 LSW 680/55R42	320/90R50, 320/105R54 LSW 680/55R42	320/90R50, 320/105R54 LSW 680/55R42	320/90 R46, 320/105 R54, 380/90 R54, LSW 680/55R42
Tread adjust	120 - 160 in. (305 - 406 cm)	120 - 160 in. (305 - 406 cm)	120 - 160 in. (305 - 406 cm)	120 - 160 in. (305 - 406 cm)	120 - 160 in. (305 - 406 cm)
Turning radius	19.4 ft. (5.9 m), 12.04 ft. (3.67 m) AWS	18.5 ft. (5.49 m), 12.04 ft. (3.67 m) AWS	18.5 ft. (5.49 m), 12.04 ft. (3.67 m) AWS	22.4 ft. (6.8 m), (18.75 ft./5.7 m) AWS	22.4 ft. (6.8 m), (18.75 ft./5.7 m) AWS
Parking brake	Integrated in final drives	Integrated in final drives	Integrated in final drives	Integrated in final drives	Integrated in final drives
Ladder raise/lower	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic
Total dry weight with 80 ft. boom	20,200 lbs. (9,162 kg)	N/A	N/A	N/A	N/A
Total dry weight with 90 ft. boom	20,520 lbs. (9,307 kg)	27,040 lbs. (12,265 kg)	27,920 lbs. (12,664 kg)	29,266 lbs. (13,274 kg)	29,409 lbs. (13,339 kg)
Total dry weight with 100 ft. boom	N/A	27,125 lbs. (12,304 kb)	28,005 lbs. (12,703 kg)	29,351 lbs. (13,313 kg)	29,494 lbs. (13,378 kg)
Total dry weight with 120 ft. boom	N/A	26,780 lbs. (12,147 kg)	27,660 lbs. (12,546 kg)	29,006 lbs. (13,156 kg)	29,149 lbs. (13,221 kg)
OPTIONS					
Air compressor	On board air	On board air	On board air	On board air	On board air
Foam marker compatibility	Injection Foamer Optional	Injection Foamer Optional	Injection Foamer Optional	Injection Foamer Optional	Injection Foamer Optional
Chemical eductor	Poly optional	Poly optional	Poly optional	Poly optional	Poly optional
Operator Station	Standard Cab or Premium Cab	Standard Cab or Premium Cab	Standard Cab or Premium Cab	Standard Cab or Premium Cab	Standard Cab or Premium Cab
Direct Injection	Raven Sidekick optional	Raven Sidekick optional	Raven Sidekick optional	Raven Sidekick optional	Raven Sidekick optional

* 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.



We have brought together the strengths of both brands for your benefit. Hagie will continue to stay focused on what we do best, in quickly providing the marketplace with the industry’s most innovative application solutions while utilizing John Deere’s broad distribution network to provide you with local, specialized Hagie sales and support for an overall enhanced customer experience.



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