

ST 14 & ST 16

HAGIE
UpFront

1400-1600 Gallon **STS** Class Sprayers



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ST SPRAYERS

Specifications

Cab:
Hagie Built "Vision Series"
Ground Clearance:
73 In. (182 cm)
Tread Width:
120-152 in (304-386cm)
pending tire size
Tread Adjust:
STS14 Hydraulic (optional)
STS16 Hydraulic
Wheel Base:
166 in. (421.6 cm)
Turning Radius:
22 ft. 5 in. (6.86m) (15 ft w/AWS option 4.57m)

BOOMS
Lengths:
60/80/90, 60/100 & 90/120

SUSPENSION SYSTEM
Type:
Patented, four wheel independent
Air ride:
Yes, with live air supply
Load Sense:
Automatic w/ 8 in. individual leg travel

Air Compressor:
Yes, standard

SOLUTION SYSTEM
Tank capacity:
1400 gal or 1600 gal
Tank material:
Stainless
Rinse type:
Independent boom & tank
Fill Location:
3 in. front fill (opt. 3 in. side-fill chemical inductor w/ load pump)
Agitation:
Infinitely variable sparge
Product pump:
9306C (centrifugal)
Pump volume:
214 GPM
Pump pressure:
40 PSI (max. 80 PSI)
Spray Control:
Raven 4600 w/ data logging (GPS ready)
Foam marker:
Optional 36 gal stainless w/ live air, option 12 volt, Richway

RINSE SYSTEM
Tank Capacity:
100 gal (378.5L)
Tank Material:
Poly gray w/ sight gauge
Activation:
In-cab control
Rinse type:
Independent boom & tank

ENGINE
Make:
STS14: Cummins QSB
STS16: Cummins QSL
Tier 3:
Yes
Rated power (hp):
STS14 275 (205kw)
STS16: 365 (272kw)
Displacement:
STS14: 6.7 L
STS16: 8.9L

Governed:
Electronic
Turbo:
Yes
Fuel Capacity:
STS14: 150 gal (567.8 L)
STS16: 175 gal (662.4L)

DRIVE SYSTEM
Type:
Hydrostatic
Drive Pump:
STS14: Tandem 75cc,
STS16: Tandem 165cc
4-wheel Drive:
Full-time (X-Drive)
Wheel Motors:
STS14 60cc bent axis 2 speed,
STS16 80cc bent axis infinitely variable
Final Drives:
Heavy duty independent planetary gear drives

MACHINE SPEEDS (varies on tire size and field condition)
Ranges:
STS14: 5,
STS16: 7
Max Field Speed:
STS14: 17 mph (27Km/h)
STS16: 20 mph (32 Km/h)
Max Road Speed:
STS14: 28 mph (45Km/h)
STS16: 32mph (51Km/h)

WEIGHT (varies by tire size and boom size)
Dry Weight:
STS14: 24,300 (11,022KG),
STS16: 26,300 (11,929Kg)
Loaded Weight:
STS14: 38,619 (17,517Kg),
STS16: 42,579 (19,313Kg)

DIMENSIONS
Operating: 344"
L/143"W/149"H
(8.74m/3.63m/3.78m)
Shipping:
344"L/143"W/144"H
(8.74m/3.63m/3.66m)

We have this:

- Tighter Turning Radius**
- More Ground Clearance**
- Less ground Compaction**
- Narrow Leg Width**
- Optional All-Wheel Steer**
- More Boom Clearance**
- More Capacity**
- More Available Horsepower**
- Lighter Weight**
- Multi-Purpose**

Over our competition.*
*CaseIH, John Deere, and AGCO 1000-1200 gallon machines.

HAGIE
UpFront

ST 14
ST 16

STP
14
STP
16

MORE CAPACITY

STP GIVES YOU
AND SO MUCH MORE

- Service where you are
- Easy engine accessibility
- Lowest ground compaction in class
- High efficiency engine
- Cab designed for spraying
- Quietest cab in the industry
- Tip-to-tip boom visibility
- Automatically adjusting suspension
- Clean underframe
- Rinse from the cab either boom or tank

STS16 in tall corn



Standard safety beacon



Relocated sight gauge visible from cab and ground

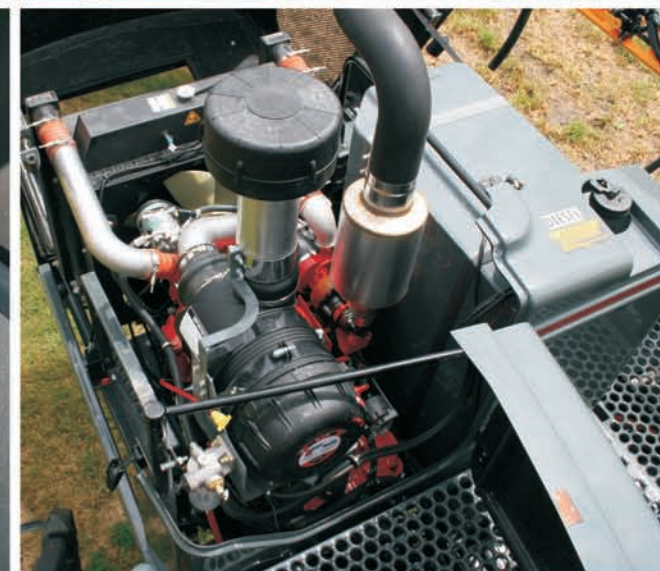
LED marker lighting



Pre-plant fertilizer with floatation tires



Inside cab with optional deluxe seat



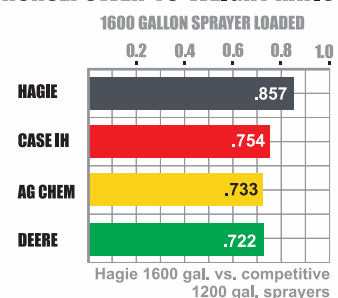
Easy access to engine compartment



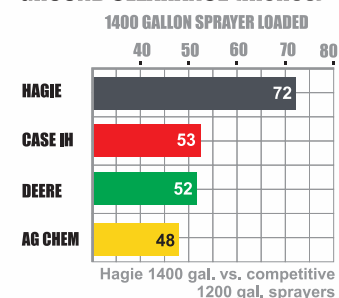
All-wheel steer option

Two sprayers with equal horsepower, but unequal weights, will not have the same perceived power. But, if you compare the ratio of horsepower to weight, you get a much better comparison. It can show how a machine with less horsepower can perform better than one with more horsepower because it has to move a smaller load.

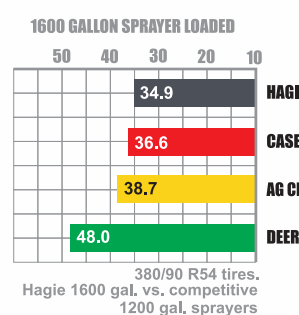
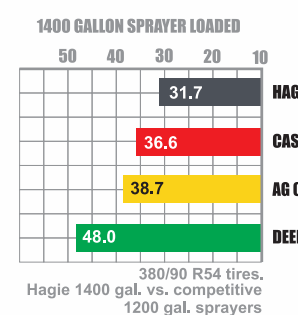
HORSEPOWER-TO-WEIGHT RATIO



GROUND CLEARANCE (inches)



COMPACTION RATING – PSI



Designing sprayer to fit your needs

In 2005 Hagie Mfg Co decided to go big, this is the year we came out with the STS16. With 1600 gallons of capacity, this machine was marketed towards the custom applicator and co-ops. Realizing with the larger capacity, it would only make sense to have a larger boom. In 2007 we developed the first 120' boom for a Hagie sprayer. In 2007 we realized there was a need a large sprayer that would also fit a need for larger farmers and custom applicator, so we came out with the STS14. Both of these sprayers can be used from pre-plant through late season. If you have never owned a Hagie before, we would like you to give us the opportunity to earn your business. Once you have operated a Hagie sprayer, you will find it hard to go back to anything else.

