

HD200/HD300

SelectSpray

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JOHN DEERE GOLF



More applications
than dedicated sprayers.

HD200
SelectSpray

HD300
SelectSpray

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Filled with more options. (Including the one to do more than a dedicated sprayer.)

The SelectSpray Series offers you more choices than any other line of sprayers. You can choose a high-quality centrifugal or diaphragm pump. A 200- or 300-gallon tank. An advanced automatic or reliable manual rate controller. Most importantly, the SelectSpray Series gives you the choice to use your utility vehicle for more than spraying. In minutes, and without tools, you can detach the sprayer, and use your ProGator™ Heavy-Duty Utility Vehicle for countless other tasks around your course.



Select the pump of your choice.

With the SelectSpray Series you can choose from two highly reliable pump types. Depending on your preference, you can have a high-pressure diaphragm pump or high-flow centrifugal pump.



Efficient plumbing

EXACT PRESSURE

Spraying is all about precision, which is why throttling valves are standard equipment on the SelectSpray Series. Whichever pump you choose, they maintain correct system pressure when individual booms are turned off and on.



Centrifugal pump

Pumping action is delivered by a rotating impeller. Perfect for applications that demand higher flow rates. Available in cast iron or stainless steel versions, this proven, high-quality pump can be intermittently run dry without failing its seal.

- Cast iron option is a good general purpose sprayer pump.
- Stainless steel option can handle more corrosive chemicals, like chelated iron.
- Powered by hydraulic motor.
- Standard bleed line helps maintain pump priming by purging air from pump.
- LifeGuard™ silicon-carbide seals allow pump to intermittently run dry without failing its seal.

Diaphragm pump

Positive displacement pump made for long life, easy service. Ideal for applications that demand higher pressures, such as walking spray booms, painting greens during the winter months, and tree spraying.

- Pistons operate in oil bath for long life and optimal lubrication.
- Mounting location allows for easy servicing of diaphragm.
- Effectively handles paint and other tough spray solutions.
- Excellent for providing plenty of pressure for walking spray booms.
- Hydraulically driven.



EFFICIENT ROUTING

Short hose lengths and the combination of throttling valve and strainer bypass lines together makes for simpler plumbing.



EASY TROUBLESHOOTING

With only two primary valve-bank assemblies, it's easy to pinpoint the source of a potential service issue. A pressure regulator assembly includes jet agitator, self-cleaning line strainer, and pressure regulator valve. The boom valve assembly has three electric boom valves with throttling valves and one manual valve for hose reel or walking boom.

Select the controller you'd like.

Choose an economical manual controller or full-featured automatic rate controller. Both capable of assuring the calibration and precise control for successful chemical applications to your course.

Manual controller

Traditional, reliable, and affordable, the rock-solid manual controller is made for straightforward spraying. All functions are integrated into one control box. And the operator sets pressure and controls speed manually. It can be easily upgraded to an auto controller later thanks to a common wiring harness.

- Weather-resistant control box includes master switch, individual boom control switches, foam marker switch, boom lift/lower switches, and pressure increase/decrease switch.
- Control box located in front of glove compartment. Can be removed without tools.
- 100-psi liquid-filled pressure gauge for centrifugal pumps, 300-psi liquid-filled pressure gauge for diaphragm pumps.
- Gauge isolator system allows gauge to read pressure without chemical entering operator area.



Automatic rate controller

Preprogrammed with John Deere specs, the available automatic rate controller is the ultimate in accuracy, precision, and simplicity. Operator sets rate, and then the controller automatically adjusts flow or pressure based on vehicle speed. Controller also includes helpful features to help determine impacts of nozzle type, speed, and pressure on achieving target application rate. Plus features warning systems that sound when tank volume and operating pressures are low.

- Control box includes all switches for spraying functions.
- Digital pressure gauge with digital readout.
- Digital sight gauge tells operator how many gallons are left in tank and sounds alarm when only 25 gallons remain.
- Display shows total applied, total area applied, target rate, speed, pressure, and nozzle type being used.
- Can also be operated in manual mode.
- Simple nozzle selection. In setup mode, you can select a nozzle type, and the controller automatically calculates the pressure needed to apply the target rate at a given speed.



Excellent coverage. Simple set up.

Available height-adjustable 15/21-foot and 18-foot booms lift and lower without the engine running, thanks to a self-contained electro-hydraulic lift system. And of course, both offer the stability, and evenness to ensure consistent chemical application to the turf.

INTERNAL AGITATOR PREVENTS
SEPARATION OF SPRAY TANK MIXTURE

FOLDING WINGS WITH BALL
VALVES (15/21-FOOT BOOM)

BUILT-IN PERSONAL
WASH TANK

EASY LEVELING

INTEGRATED TRIPLE
NOZZLE BODIES

BI-DIRECTIONAL
BREAKAWAY

STANDARD ELECTRO-HYDRAULIC
LIFT SYSTEM

HEAVY-DUTY
FRAME

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11-GAUGE STEEL

ADJUSTABLE HEIGHT TO ACCOMMODATE
WIDE RANGE OF NOZZLE SPRAY ANGLES



STANDARD TRIPLE NOZZLE

You can install three different-style nozzles, then simply rotate to the one you need for a particular application. A huge timesaver.



SPRAYMASTER™ NOZZLES

Choose from a wide variety of nozzle selections, and take advantage of John Deere's history of excellence in agricultural sprayer technology.



BREAKAWAY BOOMS

Spray around trees with confidence. Standard bi-directional breakaway protects boom if object is struck while moving forward or backward.



OPTIONAL FOAM MARKER

Combined air and liquid lines to foamer head ensures round and accurate droplets. No tools needed to adjust rate—just turn easy-to-reach valve.



OPTIONAL CLEANLOAD EDUCTOR

System brings loading point down to waist level, plus includes a bottle/jug rinse to get every drop of chemicals into the hopper and hopper rinse to ensure there's no residue left when chemicals are transferred to the main tank.

Specifications

HD200 and HD300 Sprayers

Machine

Tank	High-density, polyethylene tank with quick-fill attaching point; anti-siphoning, low center of gravity
Frame	Welded steel
Rate capacity	HD200: 200 U.S. gal. (757 L)/HD300: 300 U.S. gal. (1135.6 L)
Agitation	Jet agitation adjusted by proportional control valve, $\frac{5}{16}$ -in. orifice
Pressure/flow regulator	Electric
Filter	100-mesh; self-cleaning
Boom shutoff valves	Electric
Throttling valves	Standard; adjustable

Optional Centrifugal Pump

Construction	Cast iron or stainless steel
Seal type	Life Guard™ silicone-carbide
PTO	Hydraulically driven motor powered by ProGator auxiliary hydraulic pump
Max. flow	97 U.S. gal. per minute (367 L/min)
Max. pressure	95 psi (6.6 bar)

Optional Diaphragm Pump

Number of diaphragms	3
Lubrication	Oil
PTO	Hydraulically driven motor powered by ProGator auxiliary hydraulic pump
Max. flow	30.1 U.S. gal. per minute (113.9 L/min)
Max. pressure	290 psi (20 bar)
Relief pressure	290 psi (20 bar); adjustable

Manual Controller

Type	Weather-resistant control box with electronic control switches and liquid pressure gauge; removable without tools for storage
Switches on control box	Individual Boom On/Off, Boom Master, Foam Marker, Boom Lift/Lower, Pressure Increase/Decrease
Liquid gauges	100 psi (6.9 bar) gauge for centrifugal pumps; 300 psi (20.7 bar) for diaphragm pumps

Automatic Rate Controller

Type	Weather-resistant control box with electronic control switches and digital pressure display; removable without tools for storage
Switches on control box	Individual Boom On/Off, Boom Master, Foam Marker, Boom Lift/Lower, Pressure Increase/Decrease, Auto/Manual
Pressure sensor	0–363 psi (0–25 bar)
Gauges	Digital speed, digital pressure, digital tank sight gauge, and digital flow rate on rate controller screen
Rate control	Constant pressure or constant flow can be selected



FLEXIBILITY NO DEDICATED SPRAYER CAN MATCH

Once you're finished spraying, it's truly simple to detach the tank and free your ProGator for other tasks. Just remove three mounting pins, disconnect hydraulic lines and electrical connectors, attach storage stands—and you're done. You don't even have to use any tools. Plus, stands include caster wheels so it's easy to move sprayer around, and re-install.

HD200 and HD300 Sprayers

Booms

Construction	Heavy-duty 14-gauge square tube construction
Number of sections	3
Breakaway	Bi-directional (forward and backward)
Boom height	Adjustable
Lift system	Electro-hydraulic; standard
Width	18 ft. (5.5 m) or 15 ft. (4.6 m) / 21 ft. (6.4 m)
Nozzle configuration	Triple Nozzle bodies on 20-in. (50.8 cm) spacing

Foam Marker

Type	Electric
Pump	Individual air and liquid pump, solution mixes at foamer head
Rate	Adjustable with no tools by turning rotary knob on foamer box

Mounting

Type	3-pin sprayer to ProGator frame
Removal	3-pins, disconnect 3 electrical connectors, and 2 hydraulic lines for easy removal without tools
Storage	Optional storage stands

Dimensions (18-ft. boom)

Boom height (wings raised)	96 in. (244 cm)
Boom width (wings raised)	66 in. (167 cm)
Boom width (wings lowered)	203 in. (514 cm)

Dimensions (15/21-ft. boom)

Boom height (wings raised and extensions folded)	70 in. (178 cm)
Boom width (wings raised and extensions folded)	96 in. (244 cm)
Boom width (wings raised)	91 in. (231 cm)
Boom width (wings lowered and extensions folded)	188 in. (478 cm)
Boom width (wings lowered and extensions extended)	242 in. (615 cm)



WITH DUAL-LEAF SPRINGS, IT CAN CARRY AN OCEAN.

ProGator Heavy-Duty Utility Vehicle Series. With a heavy-duty suspension with dual-leaf springs and one-piece rear axle it can shoulder a sprayer tank. And much, much more.

2020A & 2030A ProGators

- Seamless shifting on the go with 5-speed synchromesh transmissions
- Optional on-demand or automatic 4WD
- Tight turning radius 18 inches (2WD), 69 inches (4WD)
- 19.1 mph (30.7 km/hr)
- 879 cc on 2020A, 1115 cc diesel engine on 2030A
- Rated capacity 2,600 lb. (1182 kg)*

**Including 200-lb. operator, 200-lb. passenger, & loaded attachment. 2,610 lb. on 2030A, 2,650 lb. on 2020A.*



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