



## SPRAY STAR 3180

---

<b>MODELS</b>	<b>3182 Computer Spray Control System w/ GPS</b> <b>3184 Electric Spray Control System</b>
<b>POWER</b>	35.5 HP (26.6 kW) Kubota 1505 four-cylinder diesel engine 12 volt, full pressure lubrication with oil filter. Liquid Cooled.
<b>CONFIGURATION</b>	4 wheel, mid-mount engine. Rear mount components
<b>DRIVE</b>	Hydrostatic variable speed pump Hydraulic power to two rear wheel drive motors. Planetary rear drive
<b>SPEED</b>	Infinitely variable from 0-10 mph (0- 16 kph)
<b>BRAKING</b>	Dynamic breaking through the hydrostatic transmission Auto spring applied, pressure release parking brake
<b>BATTERY</b>	Automotive type 24F, 12 volt, 900 CCA minimum
<b>LIGHTS</b>	Equipped with pair of headlights. Rocker switch operated.
<b>CONSTRUCTION</b>	Heavy gauge square steel tubing, hydraulically formed, Electrically welded.
<b>TIRES/WHEELS</b>	Front: (2) 22-11-10 Turf Rear: (2) 29-14-15 Multi-Trac
<b>STEERING</b>	Hydraulic power steering with orbital motor. Automotive 15" steering wheel with tilt adjustment 18' (5.5m) outside turning circle
<b>INSTRUMENTATION</b>	Hour meter, Speedometer, Glow Plug Indicator, Oil Light, Water Temp Light, Speed Lock.
<b>PRIME MOVER CONTROLS</b>	Pedal Hydraulic Actuation, Hand operated throttle control
<b>GROUND SPEED CONTROL</b>	Mechanically actuated Smithco "Speed Boss" ground speed control Device to maintain constant ground speed. Electronic cruise. Engine hand operated throttle
<b>SEAT</b>	Deluxe seat, padded, vinyl covered 1 piece molded, back support. Adjustable operator position. Second seat with seatbelt – optional.
<b>ELECTRICAL</b>	12 volt battery, 40 AMPS, operator presence switch in seat.
<b>SOUND LEVEL</b>	88.4dB(A) under normal operating conditions (operators position)

<b>DIMENSIONS (Inches/cm)</b>	Length: 134" (340 cm) – Width: 69" (175 cm) Height: 83" (211 cm) Wheel Base: 68" (173 cm) Inside Turning Circle: 96" (243.8 cm) Width with Booms open: 240" (610 cm); Height with Booms folded: 110" (279 cm)
<b>WEIGHT</b>	2340 lbs (1061 kg) dry - 4950 lbs (2245 kg) loaded
<b>LIQUID CAPACITIES</b>	Fuel Capacity: 7 Gallon (26.5 l.) in high density polyethylene tank Hydraulic Fluid: 10 gallon (37.8 l) in high density steel tank
<b>SAFETY &amp; CONFORMANCE</b>	Auto park brake switch in seat. Neutral start switch for engine start. Complies with all applicable ANSI, OSHA and European Machinery Directive standards. Smithco engineered operator protection structure with seat belts standard

## **SPRAY COMPONENT**

---

<b>TANK</b>	318 Gallon (1202 liter) capacity Fiber re-enforced polystyrene with UV Inhibitors 16 inch (41 cm) hinged lid and fillwell with built-in locking device and nylon strainer basket in fillwell. Positive feed suction pump
<b>FILTRATION</b>	Downstream spray system protected by nylon reinforced 50 mesh stainless steel strainer. Self Cleaning. Non-Thread fittings with O-ring seals throughout spray system
<b>AGITATION</b>	SMITHCO "Quadra-Jet" Agitator with four venturi volume boosters.
<b>PUMP</b>	Toggle switch at operator position. 10-70 gallons per minute (36-265 lpm) 10-60 psi (0-7.4 bar) High volume centrifugal pump with silicon-carbide seal All stainless steel body, shaft and plugs Built in low pressure warning horn to alert operator to low spray liquid level Built in automatic air bleed system for self re-priming during operation with low liquid levels Belt driven electric clutch from prime mover engine
<b>PERFORMANCE</b>	Spray Performance <ul style="list-style-type: none"> <li>• Application Rates: 20-220 gallons per acre</li> <li>• 0.5-5 gallons per 1,000 sq. Ft.</li> <li>• 180-2050 liters per hectare</li> <li>• Production rate 6.4 acres/hour @ 3.5 mph (5.6 kph)</li> <li>• Up to 75 acres per day</li> </ul>

## **SPRAYER CONTROL SYSTEM**

---

**Model 3184** Raven 203 Electric Controller;  
- Master on/off Toggle Switch  
- 3 Individual Boom Control Toggle Switches  
- Spring loaded remote pressure adjustment switch to control motorized butterfly valve  
- Oil-Filled Pressure Gauge  
- O-ring seal threadless spray system

**Model 3182** Raven SCS 440 Computer Spray Control System with GPS Satellite Based Speed Sensor;  
- Precise delivery of pre-selected application rate  
- 3 Individual Boom Control Toggle Switches  
- Record of material applied and area covered  
- Foot switch for booms  
- O-ring seal threadless spray system

### **BOOMS**

**17-503** 20 FT. (6 meters) Dry steel boom with 12 nozzles. Manual operation. Folds behind for transport and storage. Hinges brake away and return to position automatically

**17-525** 18.5ft (5.5m) 11-triple nozzle triangular structure boom with tips and strainers, 12 volt powered outer section fold/ deploy.

## **OPTIONS & ACCESSORIES**

---

<b>30-162</b>	Foam Marker: Electric Operation, Manual Control
<b>30-009/30-010</b>	Hose Reel: 200 ft. (61 m.) Capacity, Manual or electric rewind
<b>30-006</b>	Clear Water Wash Tank
<b>30-007</b>	Chemical Cleanload Kit
<b>15-835</b>	Tank Rinsing Device

### **Smithco "Safe-Fill System"**

The Smithco Safe Fill System is a self-contained education system that allows the operator to mix liquid and dry chemicals safely and quickly.

- 316 Stainless steel venturi provides highest education rate and durability against all chemicals.
- Safety - All crop protection chemistry is mixed at ground level. Cleanload eliminates the need for operators to climb on and around machines while handling expensive and dangerous chemicals. Operator exposure to slips, trips, and falls is reduced. Chemical spill potential is reduced, minimizing operator and environmental exposure.
- Optional suction lance allows the operator to educt bulk liquid and dry chemicals (wetttable powders, dry flowables and water-dispersible granules) from large containers without secondary handling.
- Robust tank and bottle rinse nozzles designed to wash Cleanload hopper and triple rinse chemical containers of residue.

