



The **RiteHeight Sprayer Boom Height Controller** keeps the sprayer booms automatically at a consistent height, eliminating the need for manual height adjustments in hilly terrain, and minimizing the risk of boom contact with the ground.



The RiteHeight system uses rugged **ultrasonic range sensors** mounted near the boom tips to continually monitor and maintain the height of the booms above the ground or crop canopy. That means more consistent spray height, better spray coverage, reduced drift and much less stress and fatigue, especially when spraying at dusk or after dark.

Controller

Mounted in cab for easy operator access. Simple controls allow engaging and disengaging automatic mode, as well as adjusting the boom height on the go. The same controls are used to navigate the simple menu system to configure and calibrate the system.

Interface Box

Usually mounted near solenoid bank for easy electrical connections. The sonar sensors and solenoid wiring are all connected to the Interface Box, which connects to the Controller with a single cable.

Specifications

Supply voltage:

+12VDC, 1.0A (plus solenoid drive current)

Boom Height Sensors:

- Two ultrasonic sonar range sensors, environmentally sealed, in universal mounting bracket with protective break-away

Solenoid Control Outputs:

- Normally open, +12VDC when activated, 4A max. current

Controller Case:

- L x H x D: 160 x 90 x 65 mm (6.3 x 3.5 x 2.5 inches)
- Made of impact resistant and flame retardant polycarbonate
- Gasketed to keep out moisture and dirt, but must be mounted in dry location
- Integral mounting holes, or mount using self-adhesive velcro

Interface Box Case:

- L x H x D: 160 x 160 x 65 mm (6.3 x 6.3 x 2.5 inches)
- Made of impact resistant and flame retardant ABS
- Gasketed to seal out moisture and dirt
- Liquid tight cable glands for all cable entries
- Integral mounting holes



Ultrasonic Range Sensor



Controller



Interface Box

CALL FOR PRICING

Electronics/GPS

GreenTronics Boom Height Controller



Centerline 220

Features:

- Versatile GPS guidance in a compact, portable package.
- LED lightbar guidance plus a graphical display for complete guidance information.
- High-quality, 5 Hz internal GPS engine with external antenna.
- Simple setup gets you up and running in no time.
- Straight-line (parallel) and curved AB guidance modes.
- Integrated look-ahead functionality anticipates vehicle's future position.
- Return-to-point feature.
- Durable, sealed rubber keypad is easy to see and provides good tactile feedback.
- Provides RADAR-like speed signal output for use with other control systems that require a ground speed signal.



GPS Speed Sensor

Features:

- Uses a GPS receiver to measure true ground speed, then delivers a frequency signal compatible with the radar speed signal input on most controls and monitors.
- Eliminates problems frequently found with radar speed sensors on wet surfaces, with moving crops, or vehicle vibration.
- Mounts inside cab, only small patch antenna is mounted outside.
- Status LED show power, GPS lock and speed output conditions.
- Wide range of adapter cables available making it compatible with popular application rate control systems.
- Speed range 5. to 80+ MPH / 1 to 130 km/h



Part#	Description	Price	C
90-02399	Centerline 220 GPS - Complete	\$1,075.00	
78-50155	Antenna Replacement	\$95.00	
90-02349	Ram Mount Kit - Extra	\$89.00	

Part#	Description	Price	C
90-02386	GPS Speed Sensor - TeeJet	\$416.00	
90-02404	GPS Speed Sensor - Raven	\$416.00	

Electronics/GPS

844E Sprayer Controller

Features:

- Full featured auto-rate sprayer control with industry leading ease of use.
- Large backlit display shows all spraying information at a glance.
- Color coded tip selection for easy programming.
- Communication port for PC and GPS interfacing.
- Flow- or pressure-based regulation options provide reliability and flexibility.
- Five boom section switches plus master shutoff.
- Durable, weather resistant aluminum housing.
- Single cable connection for quick hookup.



TeeJet Spray Controllers/GPS

744A Sprayer Controller

Features:

- Manual spray controller in a compact package.
- Choice of dry or liquid-filled 100 psi (7 bar) or 300 psi (20 bar).
- Lighted pressure gauge for night use.
- Heavy duty switches with LED indicators.
- Available in a variety of kit forms using solenoid or ball type control valves.
- DirectoValve shutoff ball valves are ordered separately.



Part#	Description	Price	C
90-02501	844E Kit Complete (26' Harness)*	\$1,595.00	
90-02251	844E Kit Complete (16' Harness)*	\$1,575.00	
75-50011	844E-5 Console Only	\$1,048.00	
90-50230	1" 801 Flowmeter	\$401.30	
90-50232	1 1/4" 801 Flowmeter	\$401.30	
121-0120	1" Rapid Check Flowmeter	\$542.80	
121-0171	1 1/2" Rapid Check Flowmeter	\$767.30	
35-02116	3/4" NPT Regulating Valve	\$202.50	
35-02112	1" NPT Regulating Valve w/Flange	\$202.50	
35-02143	1 1/2" NPT Regulating Valve	\$419.60	
16-40004	Proximity Speed Sensor	\$82.80	
90-02386	GPS Speed Sensor	\$416.00	
45-20042	Speed Cable for 844E to Dickey John	\$54.35	

*Kit Includes 801 Flowmeter & Regulating Valve

Part#	Description	Price	C
90-50149	744 Core Kit/Cables/3 Switch	\$249.20	
90-50163	744 Kit Complete*	\$472.60	

*Kit Includes Console, Solenoid Control Valves & Regulating Valve



MATRIX® PRO GUIDANCE

LIKE YOU'VE NEVER SEEN BEFORE

Features:

- RealView™ Guidance over Video – A TeeJet exclusive!
Guidance information and video displayed simultaneously
- Easy-to-use, 3D graphical guidance that is precise and accurate in all terrain
- Coverage mapping/data export
- Bright, daylight readable screen
- Console sizes: 5.7" & 8.4"
- Product upgrades include:
 - FieldPilot® Assisted Steering
 - BoomPilot® automatic boom section control
 - Tilt compensation
 - Video Selection Module for up to 8 cameras
 - External receiver or antenna upgrades



Part#	Description	Price	C
Matrix570x	MATRIX 570G / Patch Antenna w/o Camera	\$1,690.00	
Matrix570	MATRIX 570G / Patch Antenna w/ Camera	\$1,900.00	
MatrixRXA30	Ultra High Resolution Antenna Upgrade	\$270.00	

Part#	Description	Price	C
Matrix840x	MATRIX 840G / Patch Antenna w/o Camera	\$2,350.00	
Matrix840	MATRIX 840G / Patch Antenna w/ Camera	\$2,560.00	
MatrixRXA30	Ultra High Resolution Antenna Upgrade	\$270.00	

Benefits:

- Increase Productivity with Improved Accuracy
- Reduce Operator Fatigue
- Superior Hydraulic Performance at a Very Low Cost
- Improved Night-time Operation



FieldPilot Autosteer Kits:

- For most Tractors, Sprayers, and Cat Track Machines - **ADD \$4975.00 to Matrix of your Choice**
- For Case MX & John Deere 8x10/8x20/8x30/8xxxR Series with Factory Autosteer Valve - **ADD \$3355.00 to Matrix of your Choice**



Optional RealView® Camera

Electronics/GPS

TeeJet Matrix Guidance