

396-4134Y1 QuickStart Card



SureFire Orchard Sprayer System
with Servo control for John Deere GRC



The following screenshots show the setup settings that are typically good initial settings. Actual settings on your system may vary from those shown here. Adjust settings as necessary in the field to get the best operation from your system.

Setup-Implement

Setup-System

Calibrate Pressure Sensor

Setup - Alarms

Setup - Rates

Control Valve Calibration: If the system will not lock on to Rate when applying, change from 2512 to 2533. If the Rate is still unstable, go to 2033. If still unstable, go to 1533. If the first two digits get too low, the system will be slow to respond to speed changes.

Alarms may be set as desired to notify operator when the Tank Level gets low or when the system is above or below Rate.

Pressure Alarms may be set as desired.

Rates—Minimum Flow Rate—Leave at 0.0 unless you can determine a Minimum Flow that is needed to maintain the spray pattern.

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Diagnostics-Tests-Control Valve Test

DO THIS FIRST

GreenStar Rate Controller - Diagnostics Orchard Sprayer

Readings Tests

Control Valve Test

This test operates the control valve without dispensing product.

Press and hold the - or + button to operate the control valve.

Leave the Control Valve closed when finished.

— +

Status Stopped

4:06pm

Rate Controller

Setup

Totals

Diagnostics

Diagnostics-Tests-Section Test

Section Test

Section Test

1. Select the section outputs to be activated.
2. Turn the Master Switch on.
3. Press the Start Button.
4. Toggle Sections on or off using the checkboxes.

Note: Turn Master Switch OFF at any time to cancel test

1 ☒ 2 ☒

Section Test can be used for manual operation of the system. See system operation on **1-2-3 Totals** Screen or on **Readings > Delivery System** screen.

Press and hold the - or + button to operate the control valve.

Master On Status Stopped Start

Diagnostics-Tests-Nozzle Flow Check

Nozzle Flow Check

Nozzle Flow Check

1. Enter test speed and rate.
2. Turn Master Switch ON.
3. Press the Start button.

Note: Turn Master Switch OFF at any time to cancel test.

Test Speed (mi/h) 2.5

Rate (gal/ac) 200.0

200.0 gal/ac

79.0 psi

20.1 gal/min

Master On Start

1-2-3 Totals Screen

GreenStar Rate Controller - Totals Orchard Sprayer

Current Job Summaries Lifetime

200.0 gal/ac 2.5 mi/h

200.0 gal/ac 79.0 psi

6.7 ac/h 383 gal

1.9 ac 20.1 gal/min

0.0 ac 217 gal → 0

9:58am

Rate Controller

Setup

Totals

Diagnostics

Use **Nozzle Flow Check** to see if system will lock on to a **Rate** at a **Test Speed**. You can change speed or rate while the test is running.

Diagnostics—Readings—Delivery System will show details on flowmeter operation, flow (gal/min), and spray rate (gal/ac). This can be useful information for troubleshooting.

Radar Speed Sensor Setup (if needed)

Performance Monitor Access Manager

GS3 GreenStar Video

Original GreenStar Monitor Calculator

Calibrate Radar Standby

Performance Monitor - Settings

AUTO

30.0 ft

Use radar as speed source ☒

Area Counter

1 2 3

AUTO

0 h 1864 h

Service Interval Time Since Last Reset

Calibrate Radar

Calibrate Radar

1/3

Measure a straight 122 m (400 ft) course. Drive an unloaded vehicle at approximately 3.2 km/h (2 mi/h). Start calibration at the beginning of the course.

122m. 400ft.

Cancel