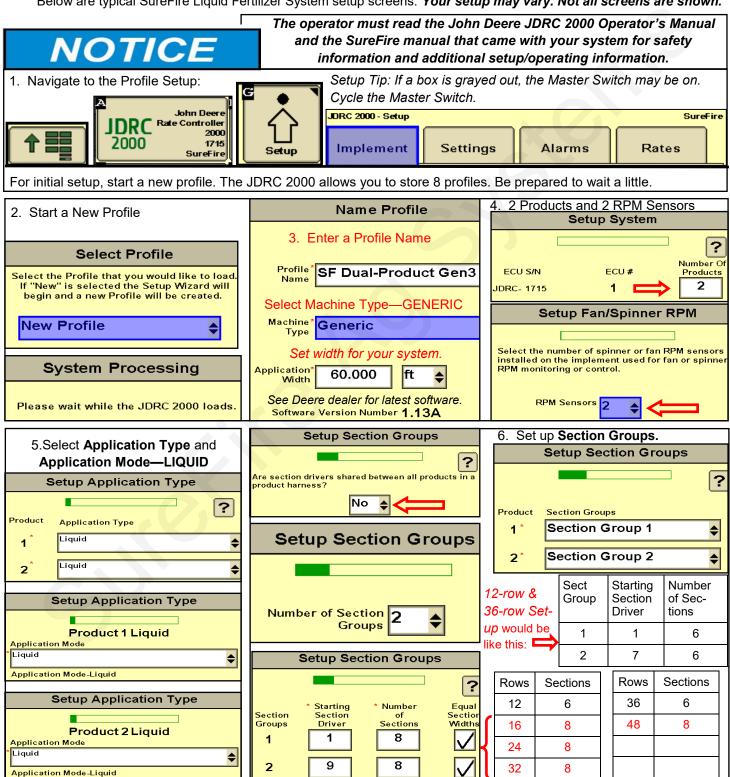


# 396-4762Y1 QuickStart Card



## JDRC 2000 Dual-Product Gen3 LiquiShift

Below are typical SureFire Liquid Fertilizer System setup screens. Your setup may vary. Not all screens are shown.



#### QuickStart setup instructions for JDRC 2000 and Dual-Product Gen3 LiquiShift

Setup Sensor Assignment

Pressure Sensor 1

Setup Sensor Assignment

Product 1

7. The SureFire pressure sensor will be set up as a **Custom** sensor.

Setup Pressure Sensors

Custom

Calibration will be done later.

Pressure Sensor 1

Setup Pressure Alarms

Minimum

0

Pressure 1

Pressure 2

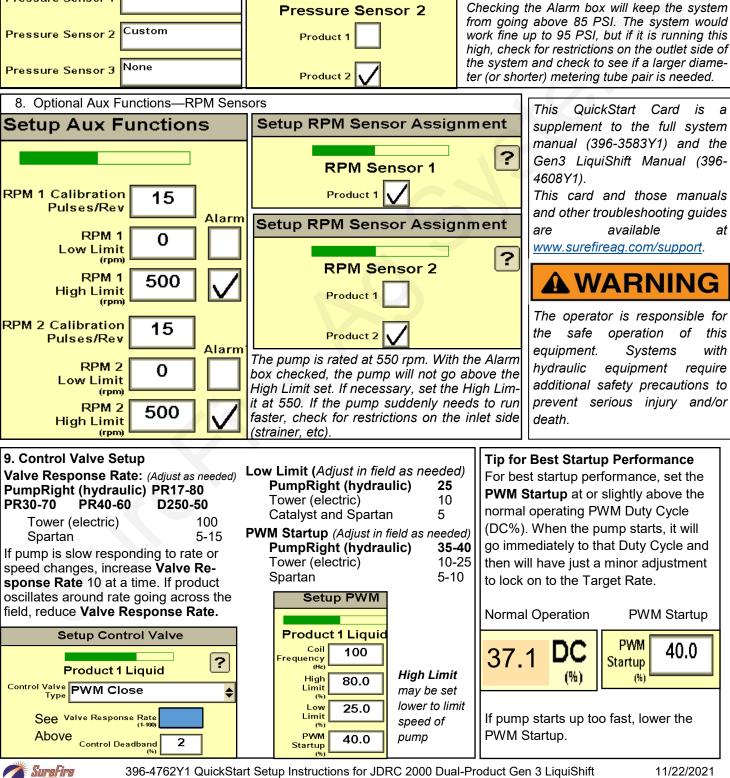
?

Alarm

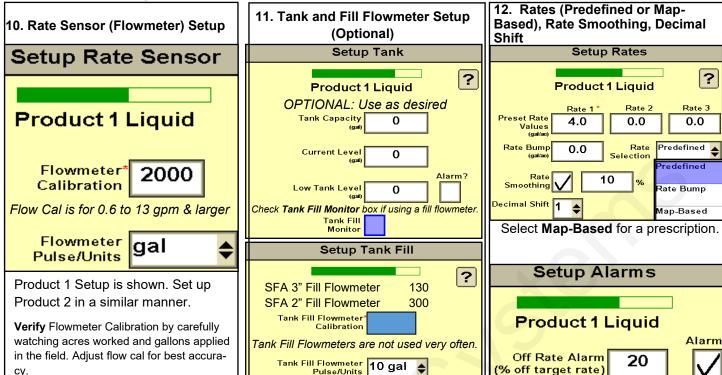
Maximum

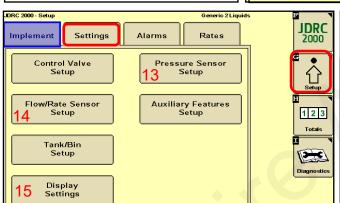
85

85



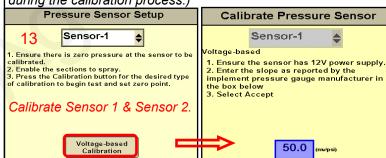
## QuickStart setup instructions for JDRC 2000 and Dual-Product Gen3 LiquiShift

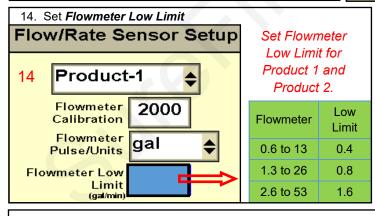




13. Pressure Sensors must be calibrated. Enter 50.0 mv/PSI for SureFire 0-100 PSI, 0 to 5 volt sensor, (Unplug the sensor) during the calibration process.)

(% off target rate)





- 15. See the next page for DISPLAY SETTINGS and JDRC 2000 Run Page. You need to set up DISPLAY SETTINGS for both PR1 and PR2. Use PSI(1) and RPM (1) for PR1. Use PSI (2) and RPM (2) for PR2.
- 16. See the next page for SECTION SWITCHBOX.
- 17. See the next page for INITIAL OPERATION IN MANUAL MODE.
- 18. See the next page for INITIAL OPERATION IN AUTO MODE.

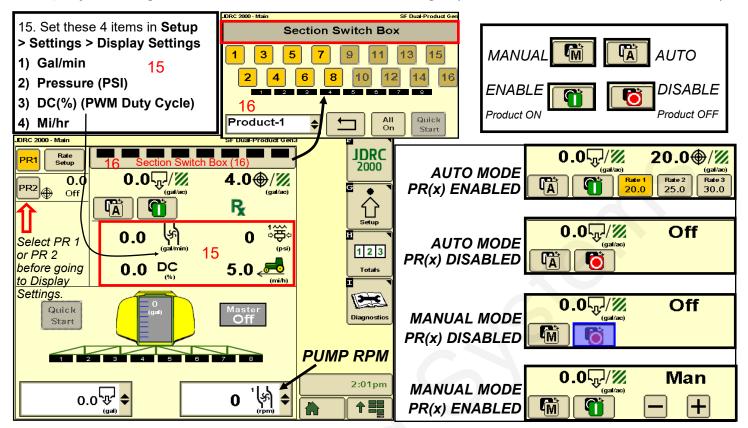
TIPS: When first starting the system or when troubleshooting a problem, you can turn OFF either Product 1 or Product 2 and just run the system you want. You can also operate in the field with only one system turned on.

- (2) Go to Diagnostics > System Summary for a quick look at the System Settings.
- (3) Go to Diagnostics > Product Summary for a quick look at the settings for each product setup.
- (4) Go to Diagnostics > Readings for important information and feedback: Hardware/Software, Delivery System, Section Status, System Voltage, Pressure Sensors, RPM Sensors and more.



су.

### Display Settings, Section Switch Box, Run Page (Manual/Auto, Enable/Disable)



#### **Tests for Initial Operation**

#### 17. Initial Operation in MANUAL mode:

Fill the system with water. For first time startup, open air bleed valve, close recirculation.

NOTICE

- 2. Enter a Test Speed at Setup > Implement > Test Speed.
- 3. Navigate to MANUAL MODE on the JDRC 2000 Run page.
- 4. Height switch must be DOWN (or uncheck Height Switch box).
- 5. Turn on Master Switch. Press and hold (+) to increase flow. If you get "SOLUTION PUMP DRY", see below.
- 6. Monitor Flow (gal/min), PSI, DC, Pump RPM. Only Valve A will be on unless pressure exceeds 70 PSI. Open Valve B with the manual toggle switch by the valve.

  Setup > Implement >
- 7. Go to Section Switch box (see previous page). Turn Sections OFF and ON.
- 8. Turn Master Switch OFF. (After pump is primed, open recirculation 1/4 to 1/2 turn.)

Running these tests will dispense liquid. Be sure it is safe to dispense the liquid at this time.



#### OPTIONAL MANUAL PUMP OPERATION: If you get "SOLUTION PUMP DRY", start with this:

"Solution Pump Dry" will not hurt the SureFire pump. The message means the system did not read flow.

Go to Diagnostics > Tests > Calibrate PWM LIMITS. This is a place where you can manually run the pump without the system shutting down if it doesn't read flow immediately. When you press START, the section valves will open. Press and hold (+) to increase the PWM Duty Cycle. Hydraulic pumps will need to be around 30% DC to get flow. When priming the pump, it will help to open the air bleed valve and run the pump faster to get it primed and to get the air out. You can also run the system manually at *Diagnostics* > Tests > Control/Section Test.

18. Initial Operation in AUTO mode: (Could also do Diagnostics > Tests > Nozzle Flow Check).

- 1. Enter a Test Speed at Setup > Implement >Test Speed.
- 2. Navigate to AUTO MODE on the JDRC 2000 Run page (PR1 or PR2 or both ON). Select a Rate.
- 3. Height switch must be DOWN (or uncheck Height Switch box).
- 4. Turn on Master Switch. (NOTE: Pressure will be much less with water than with heavier, thicker fertilizer.)
- 5. Monitor Actual Rate (gal/ac), Flow (gal/min), PSI, DC, Pump RPM.
- 6. Go to Section Switch box (see 16 above). Turn Sections OFF and ON.
- 7. Turn Master Switch OFF. (After pump is primed, open recirculation 1/4 to 1/2 turn.)

MAW

