TeeJet®
TECHNOLOGIES

RADION 8140

AUTOMATIC SPRAYER CONTROL REFERENCE GUIDE
SOFTWARE VERSION 1.06

1) Change Units

1. From the Operations Screen, press the GREEN ARROW ◄
2. Press the HOME button 🏠.
3. From the Home screen, press the CONSOLE button 🔲.
4. Press Cultural .
5. Press on the Units selection.
6. Choose US Turf

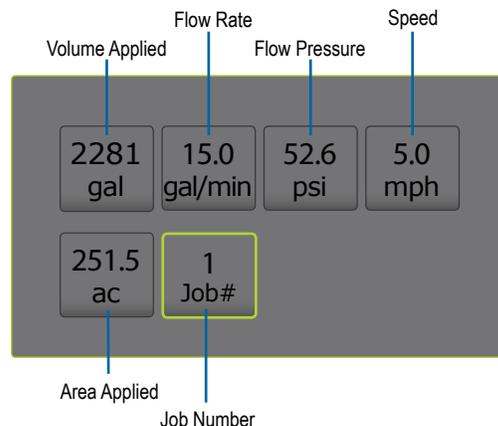*Figure 1: Navigation Steps to Changing Units*

2) Personalize Selectable Information

1. Press either the left or right Selectable Information section.
2. Select one (1) of six (6) available options to display for each side (options depend upon equipment in use).

   ► Volume Applied – displays volume applied for the current job number

   ► Flow Rate – displays current flow rate

   ► Flow Pressure – displays current flow pressure

   ► Speed – displays vehicle speed

   ► Area Applied – displays applied area for the selected job number

   ► Job Number – displays the current job number
   To change Job Number go to Home-> Data-> Jobs-> Job Number.

Figure 2: Selectable Information

Figure 3: Selectable Information Options
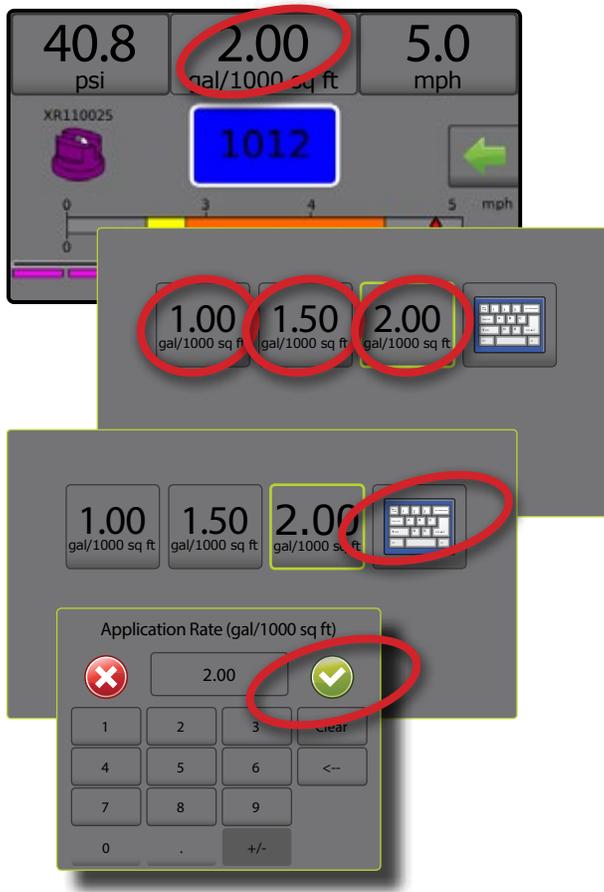
3) Establish Target Application Rates

The selected target rate can be changed either on the Operation screen or in Settings->Job Parameters.

Application Rate displays or give access to:

► Application Rate – while application is active, displays the actual application rate

► Target Application Rate – while application is inactive, displays the target rate of product to apply.

◄ Automatic regulation mode – Target Application Rate symbol will be active ⊕

Use the Boost/Step Percent Increase/Decrease buttons ⬆5% / ⬇5% to adjust the Target Application Rate

◄ Manual Regulation Mode – manual regulation symbol will remain active ✋

► Preset Target Application Rates Options Menu – defines the target rate of product to apply for the selected number. These settings will be the same for all active jobs. Range is 0 to 700.6 gallons/acre / 6,554 litres/hectare / 16.08 gallons/1,000 square feet.

1. Press the Application Rate selectable section.
2. Select the Target Applicaiton rate to be changed.
3. Press KEYBOARD button ⌨.
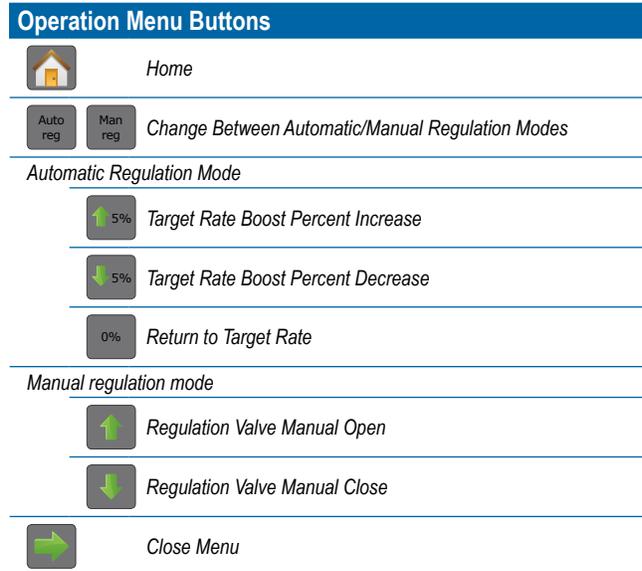4. Type the desired rate then press the ACCEPT icon ✅ .

Figure 4: Set three different Target Application Rates

## 4) Chose Between Regulation Modes

Automatic Regulation Mode will automatically adjust the application rate based on the current speed in reference to the target rate.

Manual Regulation Mode will retain an established regulation valve setting regardless of speed.

Operation Menu Buttons	
🏠 Home	
Auto reg Man reg	Change Between Automatic/Manual Regulation Modes
Automatic Regulation Mode	
⬆5%	Target Rate Boost Percent Increase
⬇5%	Target Rate Boost Percent Decrease
0%	Return to Target Rate
Manual regulation mode	
⬆	Regulation Valve Manual Open
⬇	Regulation Valve Manual Close
➡	Close Menu

NOTE: The Regulation button displays the regulation mode that may be selected not the active regulation mode.

Figure 5: Navigation to Set-up Auto/Manual Mode
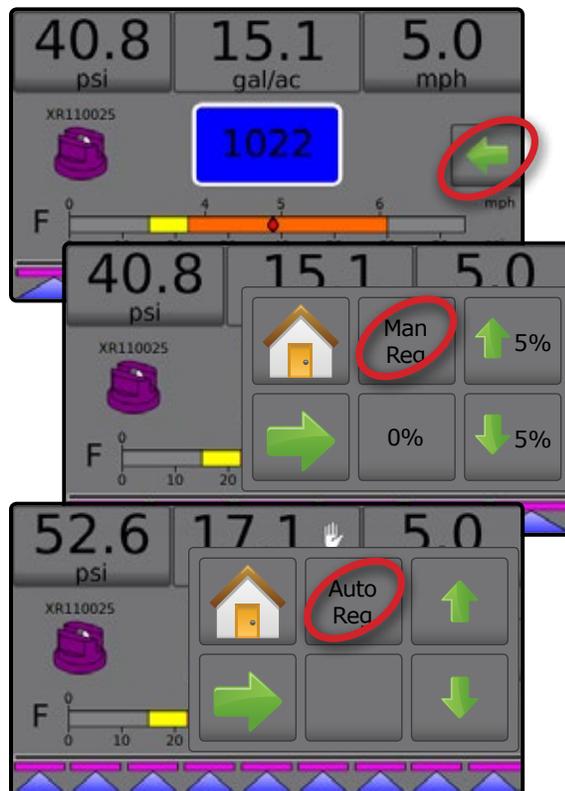
5) Establish Simulated Speed

Simulated Speed establishes a speed for using the Simulated Speed source. Range is 0 to 62.1 miles/hour / 99.9 kilometers/hour.

NOTE: An alarm will sound at start up when active.

1. From the Operations Screen, press the GREEN ARROW
2. Press the HOME button .
3. From the Home screen, press the SETTINGS button .
4. Press Machine .
5. Press Operation .
6. Press Speed Source option then select Simulated Speed .
7. Press Simulate Speed value, then select a speed.
8. Press RETURN arrow to return to the Machine screen.

Figure 6: Navigation to Set-up Simulated Speed

Figure 7: Simulated Speed Source
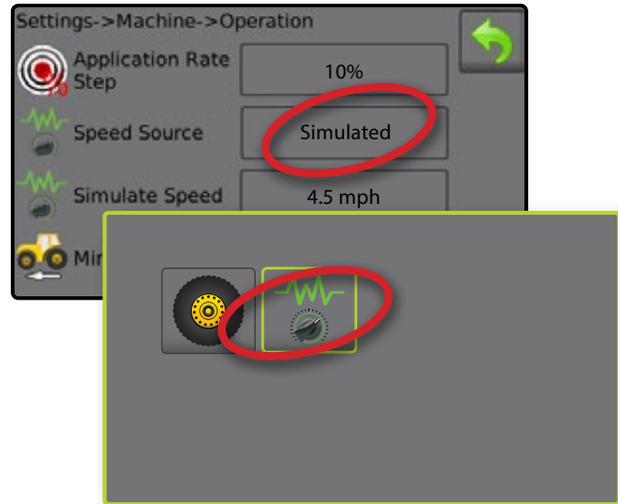
Figure 8: Simulated Speed Value
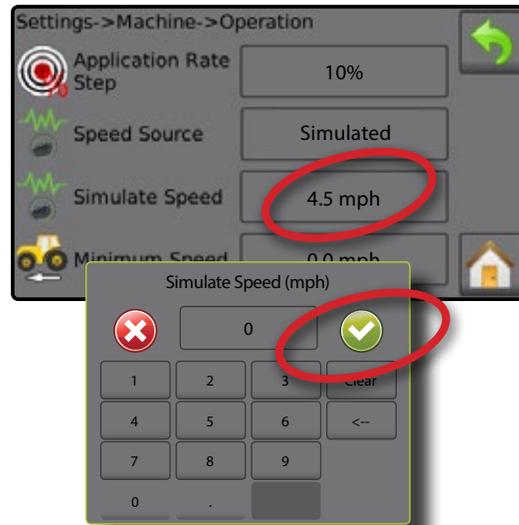
Return to Normal Operation Mode

When done operating in Simulated Speen Mode, Speed Source needs to be returned to Implement Speed.

1. Operations Screen GREEN ARROW -> HOME button -> SETTINGS button -> Machine -> Operation .
2. Press Speed Source option then select Implement Speed .
3. Press RETURN arrow to return to the Machine screen.
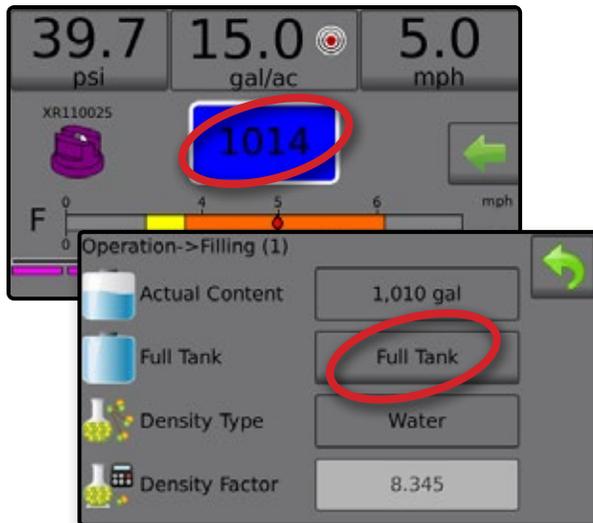
Figure 9: Implement Speed Source
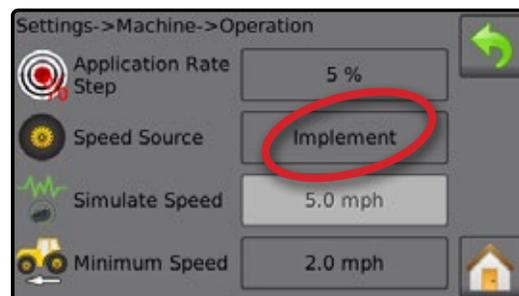
6) Reset Maximum Tank Content

From the Operation screen, the Filling setup screen can be easily accessed to reset the tank to the maximum tank content: Full Tank is unavailable when Tank sensor or Fill Flow Sensor is active.

1. Press TANK 100 .
2. Press Full Tank (unavailable when Tank Sensor or Fill Flow Sensor is active) to zero out to Actual Content.
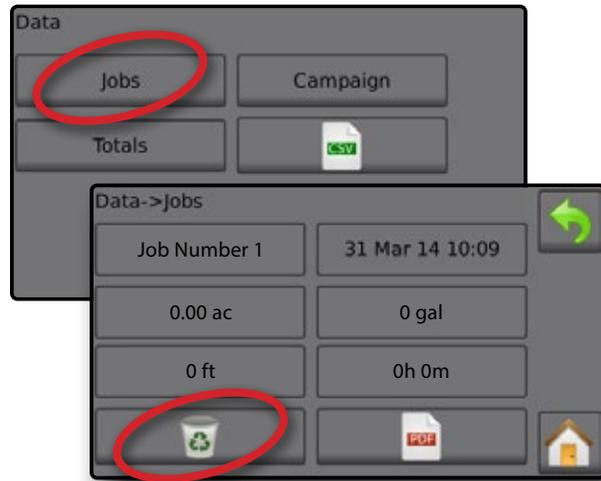3. Press RETURN arrow to return to the Operation screen.

Figure 10: Navigation to Tank Reset

7) Clear Counters

Steps to zero-out all counter numbers (acres and gallons sprayed)

1. From the Operations Screen, press the GREEN ARROW
2. Press the HOME button .
3. From the Home screen, press the DATA button .

Figure 11: How to Zero-out All Counter Numbers

Clear Job Counter

1. Press Job .
2. Press the TRASH CAN button .
3. Press RETURN arrow to return to the main Data screen.

Figure 12: Current Job Counter

Clear Campaign Counters

1. Press Campaign .
2. Press Clear .
3. Press RETURN arrow to return to the main Data screen.

Figure 13: Clear All Campaign Counters