Ag Leader Technology
2202 South Riverside Drive, P.O. Box 2348, Ames, IA 50010
Phone: 515-232-5363 Fax:232-3595 Internet: http://www.agleader.com

Granular Strip-Till Control Module Quick Reference Sheet

Section 1: Configuration Procedure

The following setup procedure describes how to configure a Strip Till Module for a multiple product application. To begin this procedure, go to the Application Setup **Configuration** Tab and press the **Add** button.

***Note*:** In order for you to use this configuration at the Run screen, you must also configure a vehicle, implement, controller and product(s). For more information on how to configure these, consult the InSight User Manual.

Strip-Till Configuration (for multiple products)		
STEPS		**ACTION**
1		**Select Equipment Configuration Type** The Operating Configuration Wizard appears. Select either **Single Product Application**, or **Multiple Product Application**. As this particular procedure describes how to configure a Multiple Product Application, we have chosen this setting. ***Note*:** You must have purchased a Multi-Product unlock code from Ag Leader in order to use the Multiple Product Configuration.
2		**Select Vehicle** Use the drop-down menu to choose a vehicle, or press the **New** button to enter a new vehicle. Press **Next** to continue.
3		**Add Equipment for Multiple Product Configuration.** The Add Additional Application Equipment window appears. From here, you may add additional equipment or controllers to your configuration. Add equipment by pressing the **Add** button. ***Note*:** If you choose to add additional equipment, add them in the same order as the implements are attached.
4		**Select Implement** Select an Implement from the drop-down list menu, or press the **New** button to create a new implement. Press **Next** to continue.
5		**Select Implement Attachment Method** Use the drop-down list to select an implement attachment method. Press **Next** to continue.
6		**Enter Full Swath Width** Use the numeric keypad to enter the full swath width of the implement. Press **Next** to continue.

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Strip-Till Configuration (for multiple products)

STEPS		ACTION
7		**Enter Number of Boom Sections** Use the up and down arrow keys to enter the number of sections of the implement. Press **Next** to continue.
8		**Enter Boom Section Widths from Left to Right** For implements with more than one boom section, the system will default to the appropriate number of equal width boom sections. To edit any of the boom values, select the desired section from the list and press the numeric keypad to enter in a new width. Press **Next** to continue.
9		**Enter Distance from Hitch to Application Point** Enter the distance from the hitch to the application point (from front to back) using the numeric keypad. Press **Next** to continue.
10		**Implement Setup Wizard** Press **Next** to continue.
11		**Enter Implement Name** Use the keyboard button to enter a name for the implement. Press **Finish**
12		**Select Operating Mode** Use the drop-down menu to select **Rate Logging/Control**; then press **Next**.
13		**Select Controller** Press the **New** button to add a controller; then press **Next**
14		**Select Controller Device and Device Type** Select **DirectCommand** from the **Device** drop-down list box. Scroll down on the **Direct Type** list box and select **Granular Strip-Till Control**. Press **Next** to continue.
15		**Select Controller Device and Device Type** Select **DirectCommand** from the **Device** drop-down list box. Scroll down on the **Direct Type** list box and select **Granular Strip-Till Control**. Press **Next** to continue.
16		**Enter Suggested Controller Name** A default name of **DirectStripTill** appears. Press **Finish**, or use the on-screen keyboard to enter a new name, if desired
17		**Select Controller Channel** Use the drop-down menu to select a controller channel, then press **Next** to continue.
18		**Select Container** Use the drop-down menu to select a container, or press the **New** button to enter a new container; then press **Next** to continue.

Strip-Till Configuration (for multiple products)		
19		**Enter Container Capacity and Units** The Container Setup Wizard appears. Use the numeric keypad to enter the container capacity and the drop-down menu, located underneath, to enter units. Press **Next** to continue.
20		**Select Container Name and Location** Use the keypad to enter a Container Name, and the drop-down menu underneath to enter a Container Location.
21		**Enter a Suggested Configuration Name** Use the keypad to enter a different name for the configuration (if desired), and press **Next**. A suggested name has been provided, based on your previous selections. If this name does not fully describe the configuration, you may change it here.
22		**Add Equipment for a Multiple Product Application** The Operating Configuration Wizard reappears. Because we specified that we were configuring a multiple product application in the first step of this procedure, we are now asked to add more equipment to our configuration. Repeat steps 3-21. When you have repeated these steps and have come back to the Add Equipment window, press the **Next** button; then press **Finish**.
23		**Select Ground Speed Source** Select your ground speed source. If you will be using GPS as the primary you will need to select a secondary source. ***Note*:** The Ground Speed Sensor must be calibrated for accurate speed and area calculations, under the **Vehicle** Tab. Press **Next** to continue.
24		**Enter Suggested Configuration Name** Use the keypad to enter a suggested name for your configuration. A suggested name has been provided, based on your previous selections. If this name does not fully describe the configuration, you may change it here. Press **Finish** when complete.

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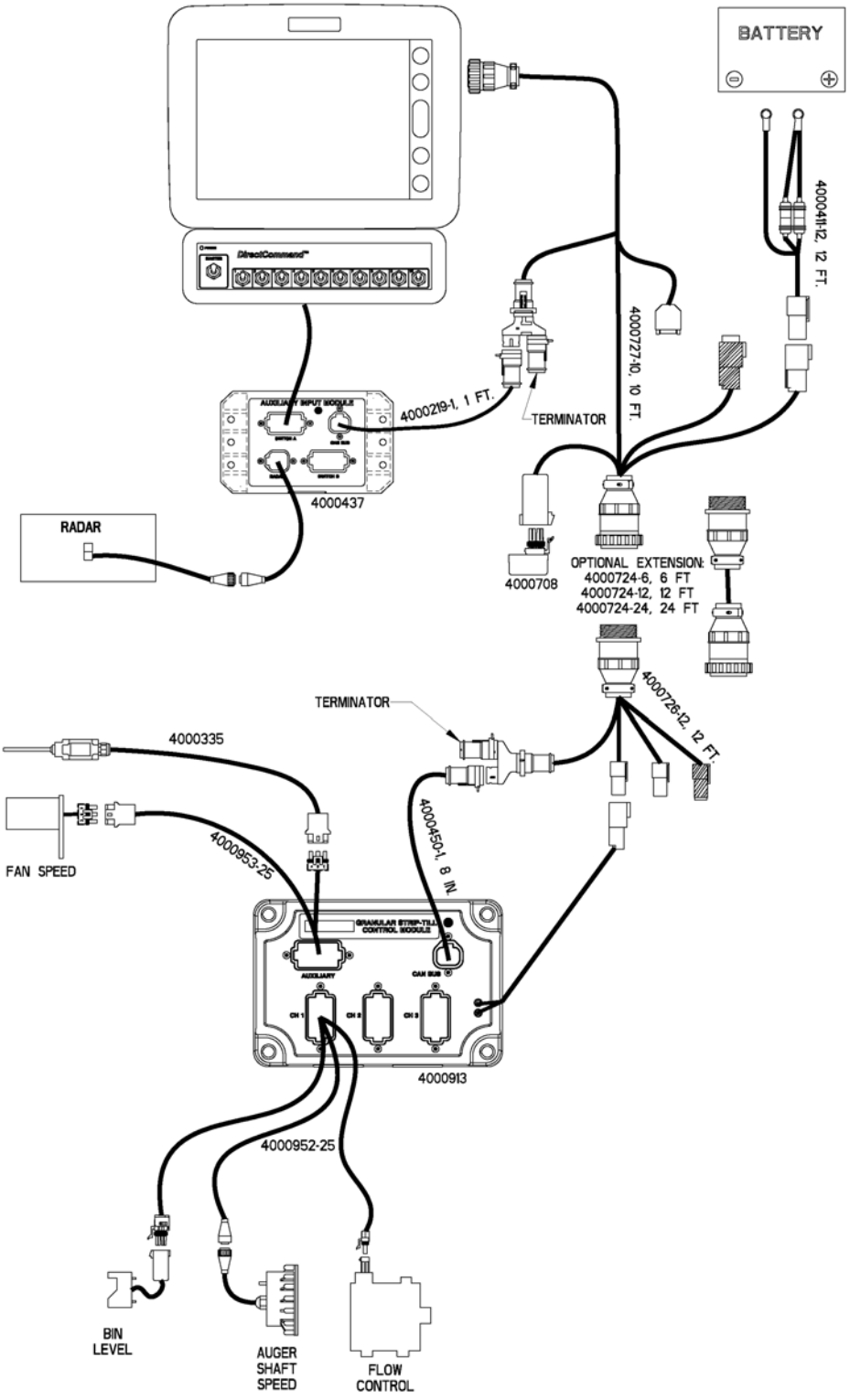
Section 2: Strip Till Hardware Setup



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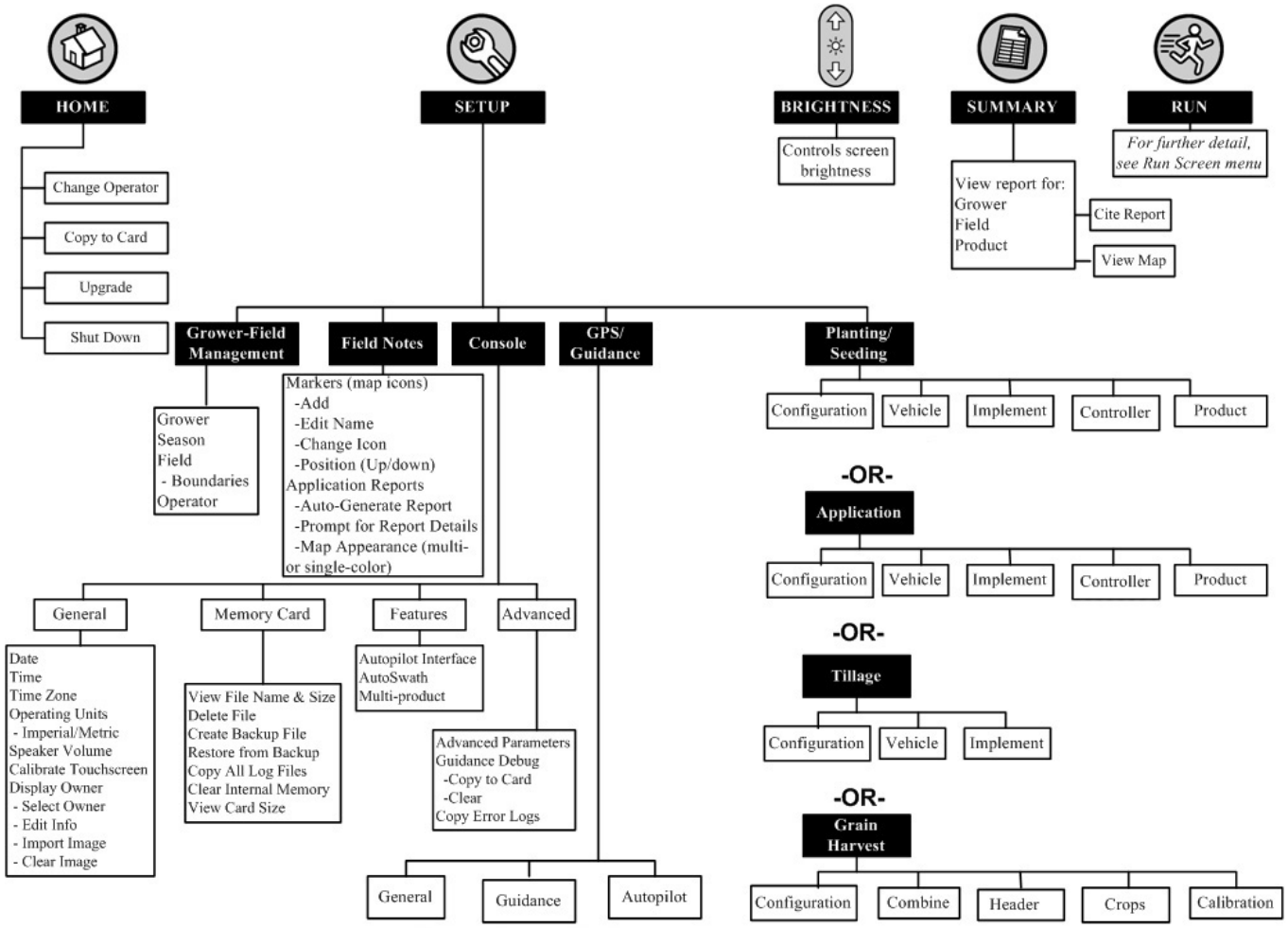
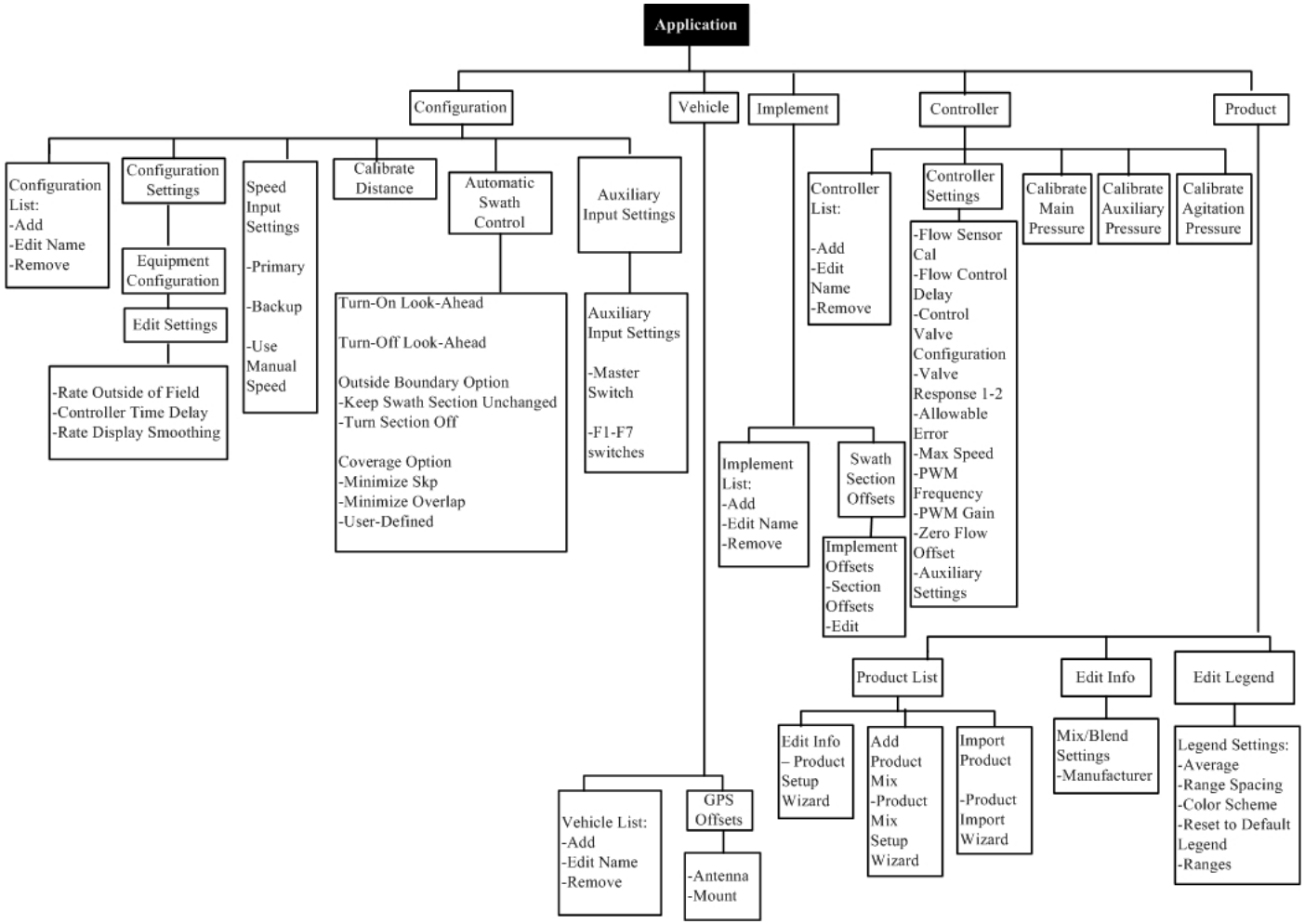
Section 3: Setup Menu



Section 3: Direct Command Menu Tree



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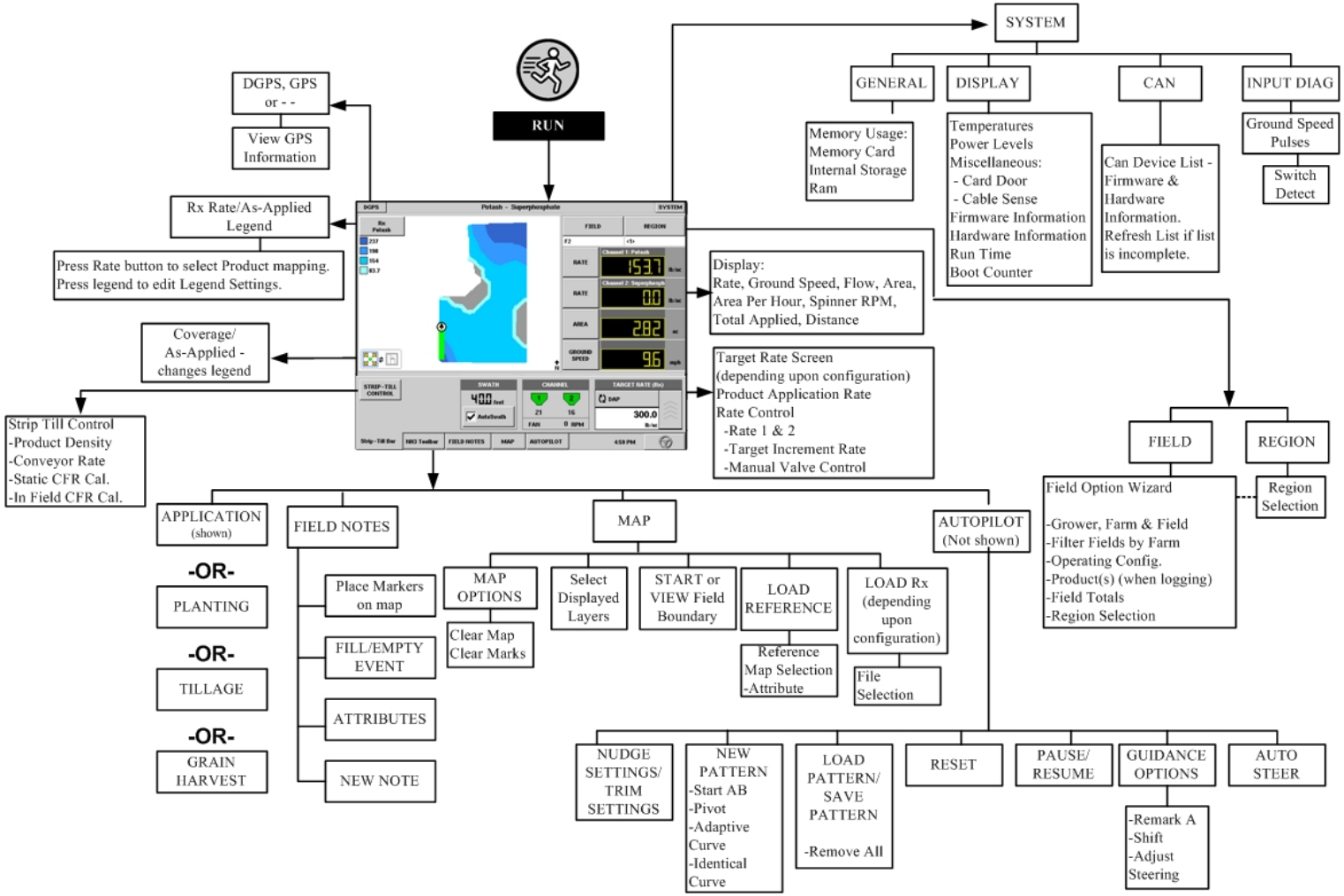
Section 4: Run Screen Functionality



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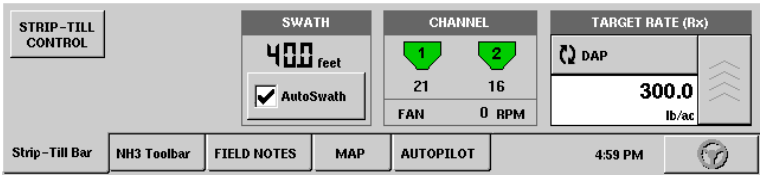
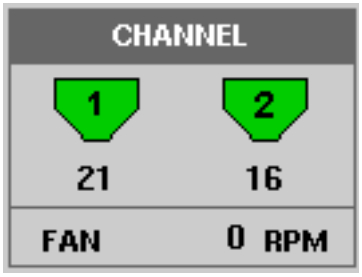
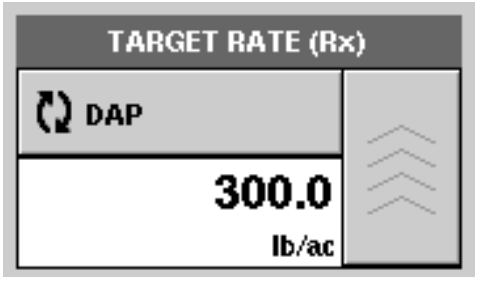
Section 5: Key Settings/Functionality

Strip Till Application Rate Control Tab	
	The **Application** Tab shown at left is a typical configuration for a Strip Till module.
	Press to display the Strip Till window and settings.
	Displays active swath width. The Auto Swath check box allows the enable/disable of the Automatic Swath Control functionality.
	Displays the status of the product control channel. When the fertilizer bin is grey no product application is taking place. When product is being applied, the fertilizer bin icon will turn green.
	Displays the current target application rate. Press the up arrow button to go to the Target Rate Application window.

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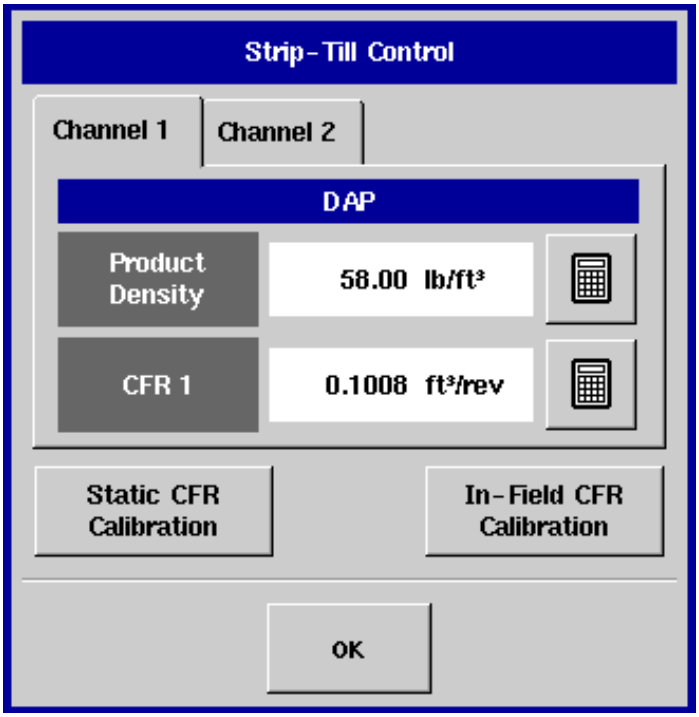
Strip Till Control Settings



Product Density:

This density value (shown in pounds per cubic foot, or lb./ft.3), is stored with each combination of product and control channel. Use the keypad to edit, if needed. ***Note*:** For proper machine performance and accuracy, you should check the Product Density daily.

CFR 1:

This setting represents the volume of product distributed on the field with each revolution of the metering circuit. This is shown in Cubic Feet per Revolution (ft.3/rev).

Caution: New products will have a default CFR number the first time they are used. You must either manually enter or perform a CFR calibration routine for each product once that product is created, otherwise misapplication will occur.

Static CFR Calibration: Press the **Static CFR Calibration** button to perform an automated routine to calibrate each metering circuit. This calibration is performed before applying in field conditions.

In-Field CFR Calibration: Press the **In-Field CFR Calibration** button to perform an automated routine to adjust the calibration number for the selected metering circuit. This calibration is performed if there is a difference between the amount of product as logged as compared to what was actually applied.

Section 6: Strip Till Calibration

To perform the Static CFR Calibration, press the **Static CFR Calibration** button in the Strip-Till Control Window.

Static CFR Calibration Procedure (Strip Till)		
STEP		**ACTION**
		Read Static Calibration warning A warning appears, advising to disable the blower fan circuit and prepare to catch any product dispensed in an appropriate container. Press **OK**.
1		**Select Metering Circuit to Calibrate** The CFR Calibration Wizard appears. Choose the desired channel to calibrate, and press **Next**.
2		**Enter Dispense Amount** Use the numeric keypad to enter the amount of product to be dispensed into the container, and press **Next**.
3		**Enter Simulated Target Rate** Use the numeric keypad to enter a simulated target rate, shown in pounds per acres. Press **Next** when finished.
4		**Start Target Rate Countdown** Press the green **Start** button to begin the target rate countdown. As the countdown is started, the button will turn red and state **Stop**. When the countdown is complete, press the **Next** button.
5		**Enter Actual Dispense Amount** Enter the actual dispense amount, in pounds. ***Note*:** The CFR will be calculated from the actual product amount dispensed.
6		**Calibration Complete** A message appears, stating that your calibration is complete, and showing the CFR amount, in cubic feet per revolution. **Either:** ▪ Press the **Repeat Calibration** button, or ▪ Press **Finish**.