

Climate FieldView™ Setup Guide

SureFire Ag Sentinel™ Liquid Row Monitor



Theory of operation

- The SureFire Ag™ Sentinel Liquid Monitoring system monitors row-to-row accuracy of your liquid or anhydrous application system by alerting users of over-applying, restrictions or blocked rows. Sentinel monitors the liquid application while allowing the existing rate controller to continue normal functionality on the implement.
- FieldView™ Drive utilizes application data outputted by implements equipped with SureFire Ag Sentinel Liquid system controlled through your in-cab ISO display. FieldView™ Cab app provides a row by row application map along with live in-field metrics and reports on each row's performance.
- The SureFire Sentinel Liquid Row Monitor with the FieldView™ Drive is compatible with the following compatible ISO compliant systems identified by Surefire Ag Systems, Inc.:
 - Case IH Pro 700
 - John Deere 2630 or 4640



Hardware and Operation Requirements

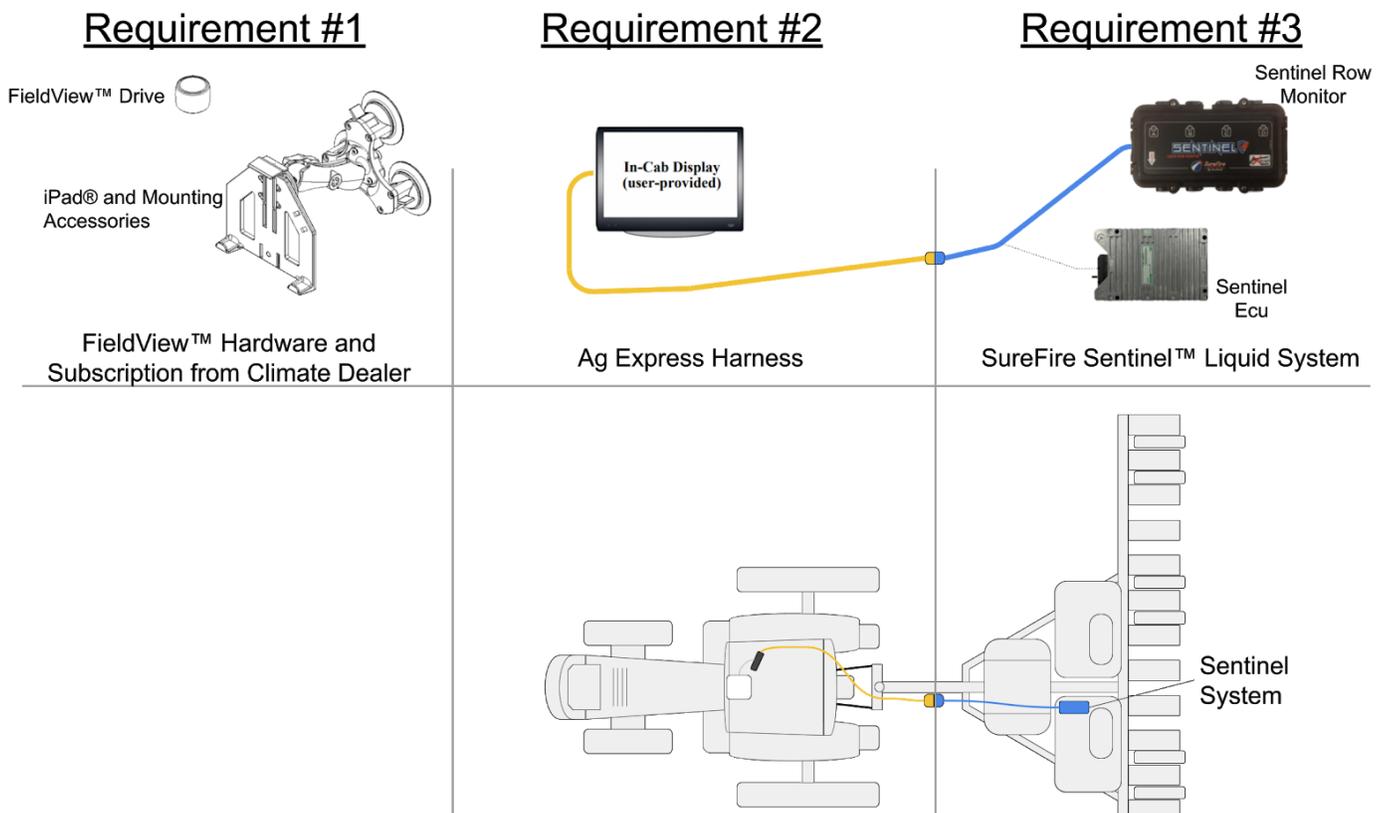
Requirement #1: Consult your Climate dealer or log into Climate.com to purchase FieldView™ components:

FieldView™ Drive, FieldView™ Plus subscription, and iPad® Accessories

Requirement #2: Determine appropriate adapter harness and purchase your tractor harnessing components. Utilize links below for help determining compatibility:

- [Climate FieldView™ Drive Application Compatibility Guide](#)
- [Climate FieldView™ Drive Planting and Seeding Compatibility Guide](#)

Requirement #3: Proper installation and operation of SureFire Sentinel Liquid systems. Contact Surefire Ag Systems, Inc. for additional information and help.



Verify Sentinel Task Controller Enablement

The Sentinel system task controller must be activated to allow use of task control information on the bus regarding section control.

Note: The following is a requirement of SureFire Ag, Inc. and should be verified during the Sentinel installation process and prior to operation.

Step 1.

Press settings button



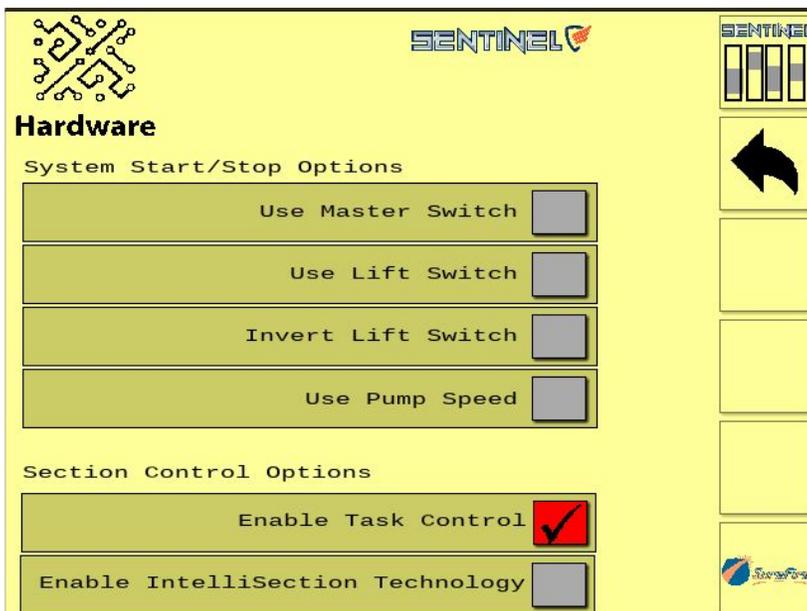
Step 2.

Select Hardware setup



Step 3.

Check the Enable Task Controller box



The screenshot shows the Sentinel Hardware configuration interface. At the top left is a circuit board icon and the word "Hardware". At the top right is the "SENTINEL" logo. Below the title is the "System Start/Stop Options" section with four checkboxes: "Use Master Switch", "Use Lift Switch", "Invert Lift Switch", and "Use Pump Speed", all of which are currently unchecked. Below that is the "Section Control Options" section with two checkboxes: "Enable Task Control" (which is checked with a red checkmark) and "Enable IntelliSection Technology" (which is unchecked). On the right side of the screen, there is a vertical navigation bar with a "SENTINEL" logo at the top, a back arrow, and the SureFire logo at the bottom.

General Setup Sequence

Note: It is recommended to verify proper operation of equipment before installing FieldView harnessing

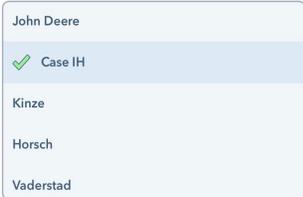
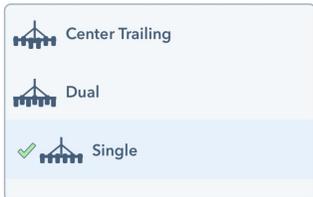
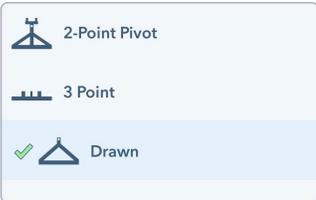
Step 1. Install the appropriate FieldView™ Drive adapter kits on equipment. Installation guides can be found using the following link:

- [Climate FieldView™ Drive Adapter Kits](#)

Step 2. Setup Equipment in the FieldView™ Cab App

Equipment Example: 12 row 1245 Early Riser™ Planter with 30" spacing for corn planting

Go to the FieldView™ Cab app Home Screen >>Click **Equipment** >> **+Add New Equipment**

<p>1. Select Equipment Type</p> 	<p>2. Select Planter Make</p> 
<p>3. Select Planter Model</p> 	<p>4. Select Frame Style</p> 
<p>5. Select Planter Rows >>Select the total number of rows.</p> 	<p>6. Select Row Spacing >>Select the row spacing Example: Select 30", for a 12R30" Single Bar model.</p> 
<p>7. Select Hitch Style</p> 	<p>8. Enter Planter Name</p> <p>Enter a name to uniquely identify this Planter</p> <p>Planter - 12R30</p>

9. Planter Setup Modal >> Planter Setup Pane

Frame Style, Hitch Style, Start Delay, Stop Delay are adjusted here.

For Planting Display >>Select the **Case IH Pro700**

For Planting Controller >>Select the **Case IH 1200**

Planter Setup

Planter - 12R30
Case IH 1245 12 Row 30" Spacing

EDIT

Planter Setup

GPS Offsets

Application Setup

Frame Style: Single

Hitch Style: Drawn

Start Delay: 0.5

Stop Delay: 0.5

Planting Display: Case IH Pro700

Planting Controller: Case IH 1200

REMOVE PLANTER

DONE

10. GPS Offsets and Row Config (example: 1245 12 row planter below)

Measure the distance on the planter and enter them here.

Distances shown are defaults from the most common measurements, but may not match your equipment.

Planter Setup

GPS Offsets

Application Setup

Seed Exit: 165"

Wheel Distance: 159"

11. Planter Setup Modal >> Application Setup Pane

For a liquid application, set Application A Rate Controller to **SureFire Sentinel**

Set the **Sections** to the number of active planter rows. (12 rows in this example)

Note: The actual application rate is managed by implement rate controller. To receive row by row accuracy **SureFire Ag Sentinel must be selected.**

Leave **Even Section Widths** set to **Yes**

After a field is activated in the map screen, FieldView™ Cab App will prompt you to select the liquid or granular application mix for the application(s).

Planter Setup

Planter - 12R30
Case IH 1245 12 Row 30" Spacing

EDIT

Planter Setup

GPS Offsets

Application Setup

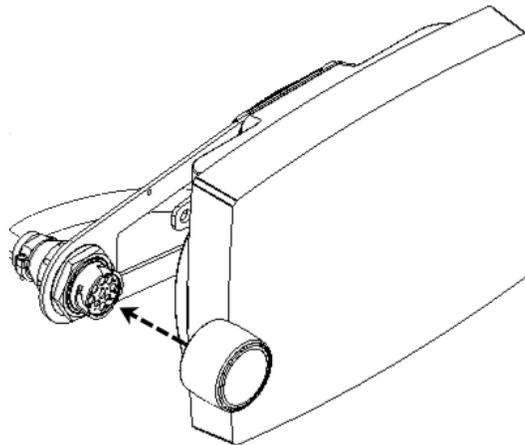
Application A Controller: SureFire Ag Sentinel

Sections: 12

Even Section Widths: YES

Application B Controller: Disabled

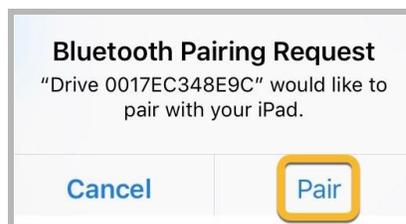
Step 3. Connect FieldView™ Drive to Diagnostic Connector



Step 4. Connect FieldView™ Drive and FieldView™ Cab app

Open iPad® device Settings >> Bluetooth >> Click **Connect**, when the iPad® detects the FieldView™ Drive.

If prompted
>>Click **Pair**



Open FieldView™ Cab App >> Go to Settings >> Devices >> Click **Tap to Connect**.

 **Drive 0017EC348E9C**
Drive - 0017EC348E9C

Tap to Connect

A **green checkmark** will appear next to the Drive name once connected.

Currently Connected



Drive 0017EC348E9C
Drive - 0017EC348E9C

EDIT

Step 5. Set Active Equipment

When prompted, pick a tractor and planter from the equipment list and click Set Active.

	1245 - 12R30 Case IH 1245 12 Row Planter - 10255361	REMOTEVIEW	SET ACTIVE
	Magnum 315 Case IH Magnum 315 Tractor - 10255361	REMOTEVIEW	SET ACTIVE

>>Click Yes

Change Active Planter
Make 1245 - 12R30 the current Active Planter

A green checkmark will appear next to the activated name.

Connected Equipment

		1245 - 12R30 Case IH 1245 12 Row Planter - 10255361	SETUP
		Magnum 315 Case IH Magnum 315 Tractor - 10255361	SETUP

Step 6. Select Field and Activate

Go to Maps >> click **Select Field** >> select the field to activate.

Dad's 90 ▾

2018 ▾

28 ▾

✕

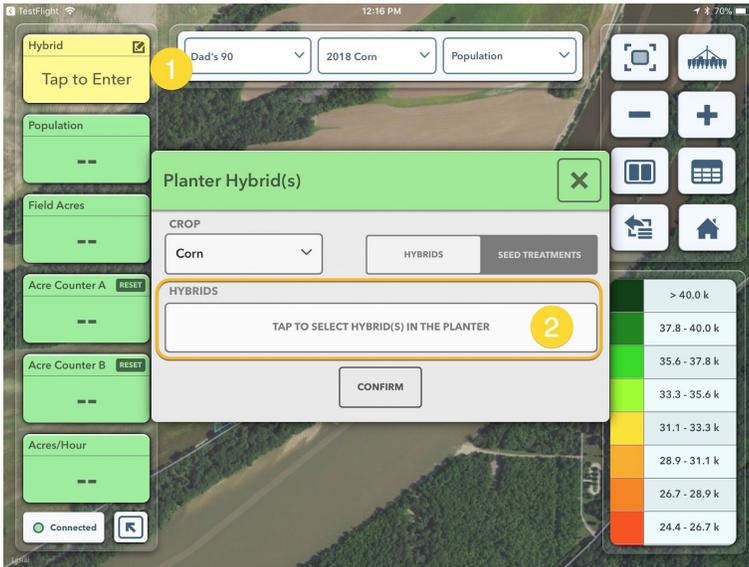
FIELD ▾	FARM	CLIENT	DATE
<input type="text" value="Bowme"/> FILTER ▾			
 Dad's 90 86.1 Acres	Bowmen's Be...	JRS Farms	(No Date)
+ ADD NEW FIELD			

When prompted to Change Active Field >> Click **Yes**.

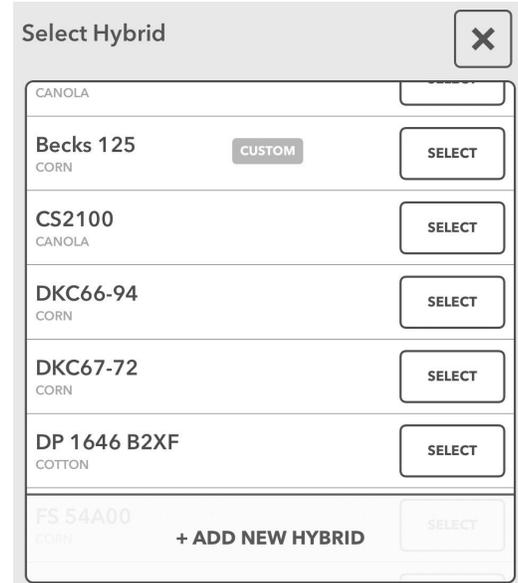
Change Active Field?
Do you wish to make the field Dad's 90 active?

Step 7. Select Hybrids and Assign to Rows

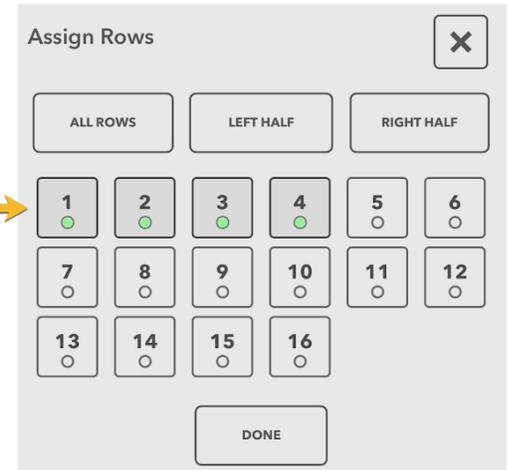
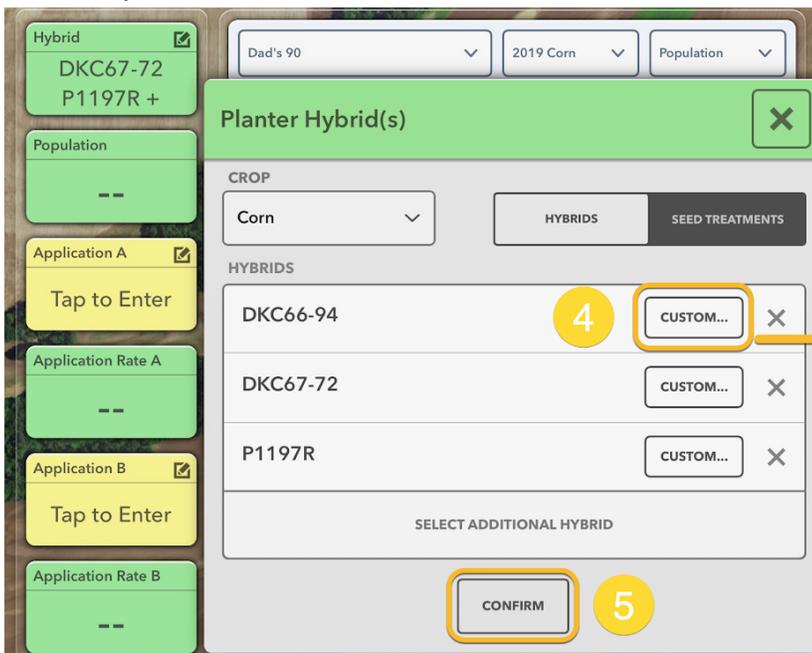
1. Tap to Enter Hybrid
2. Tap to Select Hybrid(s) in the Planter



3. Select Hybrids

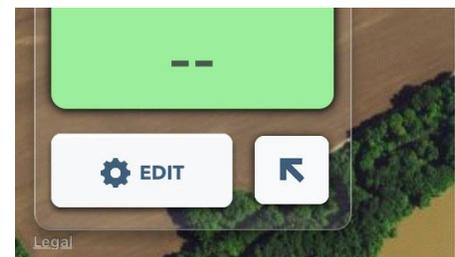


4. Tap the **Custom** button next to each hybrid and assign to rows
5. Tap **Confirm** when finished



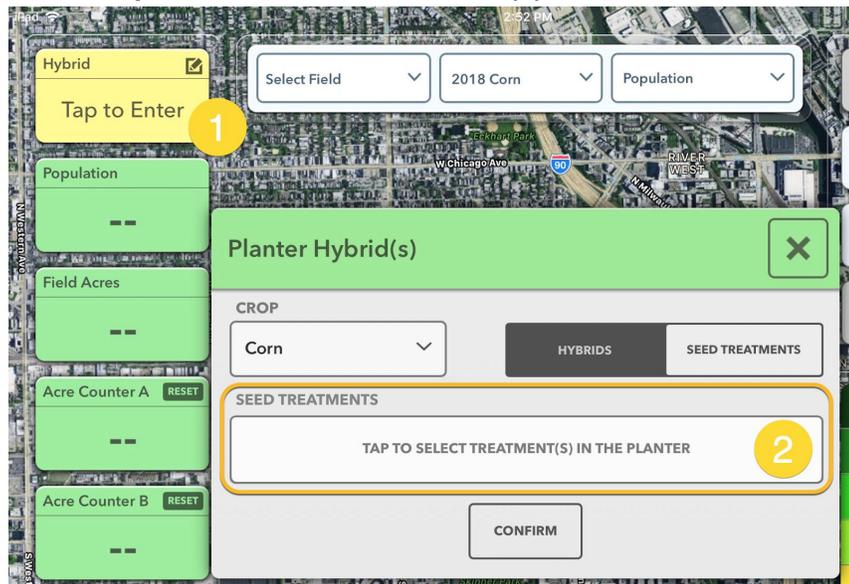
If you have setup a split row planter, and see all of the rows in the assign rows modal,
 >>Press the **Edit** button in the lower LH corner.
 It will redirect you to the Planter Setup Modal.

>>Select the **Active Rows** pane, and select the rows that are active (all rows, front rows, rear rows)

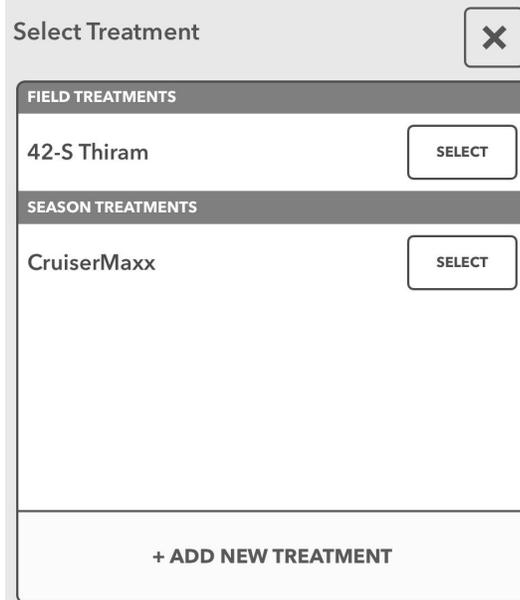


Step 8. Select Seed Treatments and Assign to rows (if applicable)

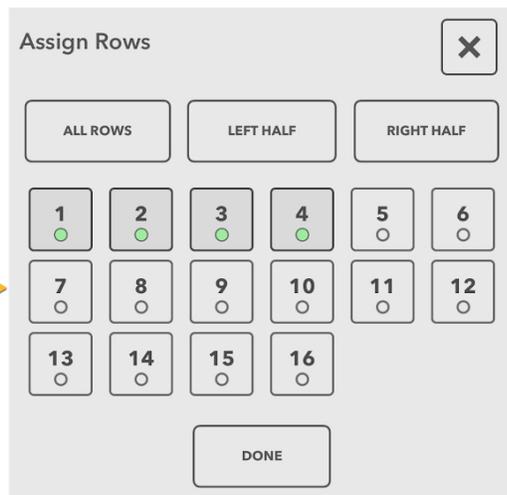
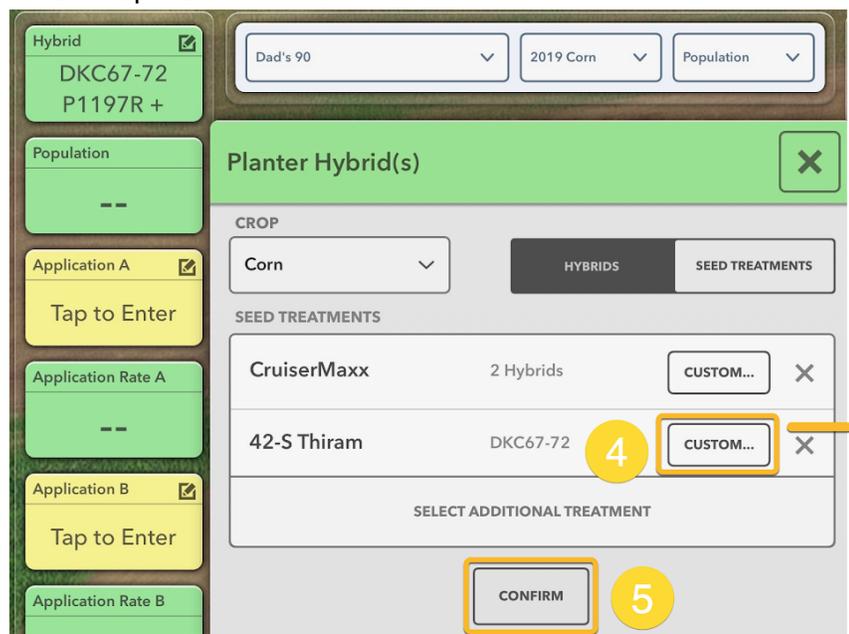
1. Tap to Enter Hybrid
2. Tap to Select Seed Treatment(s) in the Planter



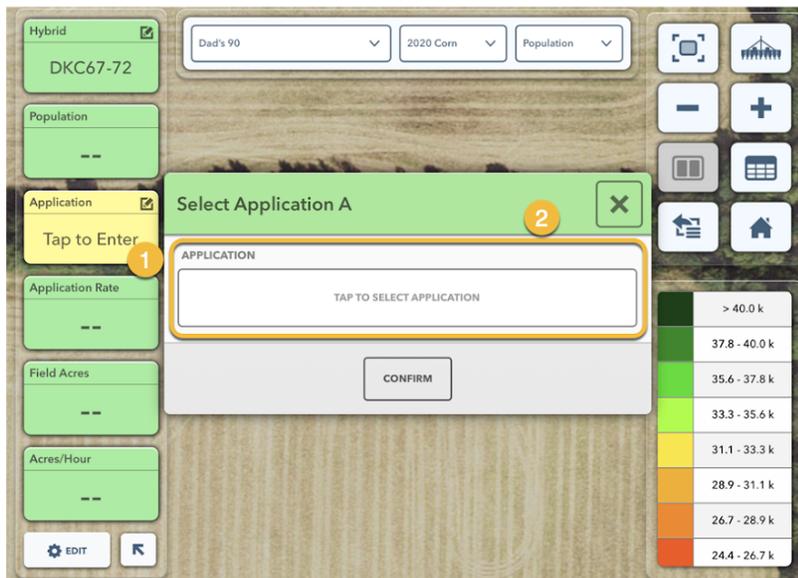
3. Select Treatment(s)



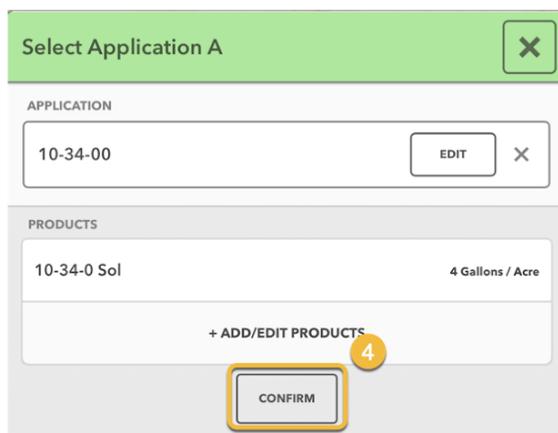
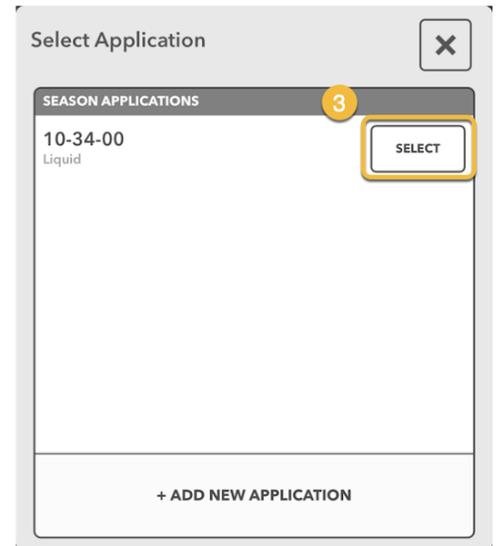
4. Tap the **Custom** button next to each treatment and assign to rows
5. Tap **Confirm** when finished



Step 9. Assign Application



1. Tap to Enter Application A
2. Tap to Select Application or Add New Application
3. Select Application
4. Tap to Confirm



Step 10. Begin Activity

For assistance in determining equipment compatibility, contact the Climate Support Team *1-888-924-7475*

To place an order for an Ag Express Adapter harness kit, contact an Ag Express branch.

- Sulphur Springs, Indiana (765) 533-4809
- Des Moines, Iowa (515) 289-2746
- Grand Island, Nebraska (308) 381-2905