

Pre-Season Display Setup

- Create a backup of last year's information and copy all log files from the display to an external storage device.
- Create a new season for the 2010 crop year. Select any seasons from the previous years and remove them from the list.
- Add new Growers, Farms and Fields to the management list and remove any unused Fields. You can manually enter the new management information or you can import a Management Setup File from your SMS desktop software.
- Make sure your display firmware, manual and all connected modules are up to date. Updates can be found at www.agleader.com.
- Add configurations for any new systems or equipment purchased for this season
- Add any products that will be used this season.

Using the INTEGRA Display

The user-interface for the INTEGRA display looks similar to the EDGE display but has some differences due to additional functionality. In the INTEGRA display you will find three screens that can be viewed during operations. The following describes what information each screen will provide.

- **Home Screen** - Here you will find Diagnostics, Setup, Start Field Operation, Region Selection, Operator Information, Operation Summary, Summary Report, External Storage Operations and Report Details.
- **Map Screen** - This screen will show the coverage map along with other operation information such as area, ground speed, rate, GPS status and more. On the Map Screen you will be able to access the Mapping Toolbox, Product Control Toolbox and Equipment Tab.
 - **Mapping Toolbox** - This toolbox is found on the top left portion of the screen and is where you will access the Map Function Tabs. These tabs include Map Legend, Map Markers, Boundary and Guidance.
 - **Product Control Toolbox** - This toolbox is located in the top right portion of the screen and displays target rate, actual rate and container level for all products controlled. By pressing on the Product Tab you will then see the Rate 1, Rate 2, Manual Valve Control, Prescription, Rate Increase/Decrease and Rate Setup.
 - **Equipment Tab** - Here you will find information and setup options that are specific to the equipment currently being controlled by the display. It is found on the bottom portion of the Map Screen.
- **Video Screen** - View up to four camera inputs on this screen. This is where you will make adjustments to the brightness and contrast of connected cameras.

**Home Button****Map Button****Video Button**

SeedCommand Pre-Season Preparation

- Create boundaries using the display or import boundaries from SMS.
- Check GPS configuration – Minimum requirements: 5 Hz GPS output, 19200 baud rate.
- Before powering the display to the planter:
 1. Do a walk around the planter to inspect Ag Leader cabling.
 2. Check for damage (e.g. stripped or pinched wires).
 3. Check cable connections on harnesses and modules.
- Turn on the display.
 1. Make sure all modules on the planter are detected on the CAN bus system.
 2. On the InSight display, see Run Screen under the System button and the CAN tab.
 3. On the INTEGRA/EDGE, see Device Information button.
- Test the Implement Switch by raising and lowering the planter to ensure the logging starts/stops on the Run Screen.
- Test the clutches on the planter. Turn the clutch sections on/off using the display switchbox to make sure the clutches operate on the planter.
- Follow the clutch manufacturer's recommendations for maintenance on clutches and clutch components.

DirectCommand Pre-Season Preparation

Liquid Application

Flow Meter - Remove the flow meter from the sprayer and have your application dealer calibrate. They will be able to calibrate the flow meter on a test stand and make any changes to the cal number as needed.

Control Valve - Enter manual speed and target rate into the display. Use Manual Valve Control to open and close the control valve.

Boom Valves - With the same manual speed and rate entered, make sure the master switch is on and turn on each individual boom switch.

Sprayer Nozzles - Check the sprayer manufacturer's nozzle chart to make sure that the flow rate and the pressure desired is attainable.

Rate Control - With the tank full, select Rate 1 and make sure the sprayer will lock on Rate 1. Then select Rate 2 and make sure the rate will lock on to Rate 2. If the rate jumps around or takes a long time to stabilize, refer to the header titled "Troubleshooting DirectCommand Liquid Applications" in the Application section of the display manual.

Pressure Sensors - Under the Controller Settings tab in the display, select which pressure sensor needs to be calibrated. Proceed with the Pressure Sensor Calibration Wizard using the display. Make sure to have the pump turned off and use 0 PSI for the pressure value. Enter the voltage / pressure ratio. For Raven pressure sensors the voltage/pressure ratio is 16 mV/PSI.

Granular Application

- Use the Automated Calibration Wizard to calibrate your CFR setting.
- If controlling spinner speed, make sure Automatic Control is checked and the proper settings are entered under the Spinner tab of the Controller Settings button.
- For spreaders, it's recommended that a spread pattern test be performed before the start of the application season. Contact the manufacturer of the spreader bed for details.