

Pre-Season Checklist – Combine Yield

Customers frequently request a checklist to make sure their GreenStar System is functioning properly prior to a use season. Since the system is only used a few months out of the year, customers may need to be reminded what is required to setup the GreenStar System. The following checks can be made to ensure the GreenStar System will function properly prior to a use season.

In the Office:

Check the following enhancements, instructions, and quick reference guides from www.StellarSupport.com:

- Download the latest GreenStar System Update and update your system
- Review the latest Combine Yield System Operator Manual
- Print the latest Combine Yield Calibration Quick Reference Guide
- Print the latest Combine Yield Setup Quick Reference Guide
- Print the latest Combine Yield Calibration Instructions
- Print the latest Combine Yield Adjusting Moisture Calibration Instructions

JDOffice:

- Back up and clean up last year's harvest data on the PCMCIA Data Storage Card
- Enter all farm and field names
- Enter all seed varieties for tracking
- Enter all flags for tracking
- Save all setup data to the PCMCIA Data Storage Card

In the Machine:

- Make sure the display address is set to Primary under Setup/GreenStar display
- Adjust the contrast button (located in upper right-hand corner of display)
- Adjust backlighting to desired choice under SETUP/GreenStar Display
- Zero all field and crop totals from last year's harvest under INFO
- Set record stop delay/height
- Check clean grain elevator chain for proper tension
- Check mass flow sensor impact plate for excessive wear (excessive wear can affect accuracy of recorded data)
- Clean impact plate and moisture sensor
- Check position receiver for GPS signal (3-D GPS, WAAS, SF1, SF2, RTK) in lower left corner of display.

NOTE: Move machine to open view of sky and turn key to second position, RUN PAGE 1 will appear, if receiver has been stored for longer than 6 months it could take the receiver 1 or 2 hours to lock on to a GPS and/or differential signal.

- ❑ Verify all setup information is correct for position receiver by pressing SETUP/StarFire Receiver or SETUP/Position Receiver
- ❑ If you unload on the go have you installed an unload on the go baffle kit?
 - AH164900 – CTS/CTSII/9400/9500/10-Series unloading on-the-go kit for narrow elevators
 - AH164901 – 9600/10-Series unloading on-the-go kit for wide elevators
 - AH170085 – 50-Series unloading on-the-go kit

In the Field:

- ❑ Perform rolling radius test (contact your John Deere Dealer and reference DTAC solution 48812).
- ❑ Perform a standard calibration procedure.
- ❑ Perform low flow compensation procedure.
- ❑ Perform moisture calibration procedure.

Test

Turn Combine Key to Second Position:

- ❑ On display, press INFO button/Yield (Monitor/Mapping)/Diagnostics/PAGE button (verify Raw Flow and Zero Flow are equal, approximately ~23,000).
- ❑ If Raw Flow and Zero Flow are not equal, contact your local John Deere dealer and request they enter a DTAC case to AMS

GreenStar Yield Mapping Operational Test:

- ❑ Install data storage card in Mobile Processor.
- ❑ Turn engine ON, engage separator then the header.
- ❑ Lower header and drive around an open area.
- ❑ Check RUN PAGE 1 on display to verify recording is ON (you will be creating an actual data file).
- ❑ Download data file into JDOffice.
- ❑ Verify path of combine while recording is ON and zero yield.

NOTE: Recorded path of combine should be yellow. Ensure combine stops recording when header is raised.