# Generation 4 Displays
# 22-3 Software

## Software Update

| Package | Version |
|---|---|
| Generation 4 OS | 10.24.2669-96 |
| AMS Applications | 10.24.2669-96 |

Generation 4 OS installation time: Approximately 20 minutes, with no existing data. Installation time will vary depending on the amount of existing data and the software version currently on the display. The latest packages for the Generation 4 Displays can be downloaded and installed over-the-air or using a USB drive and John Deere Software Manager. Reference "Software Installation Instructions" in Software Updates section of the StellarSupport™ website for more information.

**Over-the-air reprogramming -**
https://youtu.be/XSG7O3_9KGI?list=PL1KGsSJ4CWk4fhvFOaBZz261XGwPfXvqk

**Machine Application Software Updates**

Machine applications are located under Machine Settings in the Generation 4 Display menu. A John Deere dealer will be required to install any required updates to machine application software using Service ADVISOR™.

**Other Controller Software Updates**

Software for the controllers listed below can be updated using the Generation 4 Display.

| Controller |
|---|
| Application Controller 1100 |
| Application Controller 1100 (S.N. PCXL01C201000-) |
| Application Controller 1120 |
| Application Controller 1120 (S.N. PCXL02C201000-) |
| AutoTrac™ Universal 100 |
| AutoTrac™ Universal 200 |
| AutoTrac™ Universal 300 |
| GreenStar™ Rate Controller Dry |
| GreenStar™ Rate Controller |
| StarFire™ 3000 Receiver |
| StarFire™ 6000 Receiver |
| StarFire™ 7000 Receiver |
| AutoTrac™ Vision Guidance Camera |

# Resolved Issues

**The following issues are fixed in software update 10.24.2669-96:**

**General (May Apply to Multiple Field Operations)**

- Inability to detect fields while using Work Planner and Data Sync Setup

**Application**

- MY22 and newer John Deere and Hagie Sprayers experiencing AutoTrac S-ing, or are slow to snap back to line after disturbance (bump, waterway, terrace, etc.) is hit in the field. Slow line acquisition at beginning of pass

**The following issues were fixed in software update 10.24.2669-82:**

**General (May Apply to Multiple Field Operations)**

- Inability to detect fields while using Work Planner and Data Sync Setup
- Machine Sync invalid equipment model moving home point.
- Hagie (ST12, ST16, ST20) RowSense™ jumping rows/poor performance running over crop.
- AutoPath™ planning incorrectly when source width and planned width are fractional widths.
- AutoPath™ crashes when generating AutoPath™ line.
- Generation 4 Display crashes within 30 minutes of start-up in cold conditions.
- Inability to register display with Operations Center account, RDA, or transfer data.
- Inability to effectively edit a boundary in Operations Center uploaded from a Generation 4 Display with 10.23.2516-53 installed. Sluggish Operations Center browser when analyzing said boundary.

- Controllers intermittently missing from Diagnostic Center list.
- Long update times, full memory, or display freezing after updating software.
- This release contains important software security enhancements.

**Harvesting**

- Drifting or S-ing RowSense™ on C770 machines.
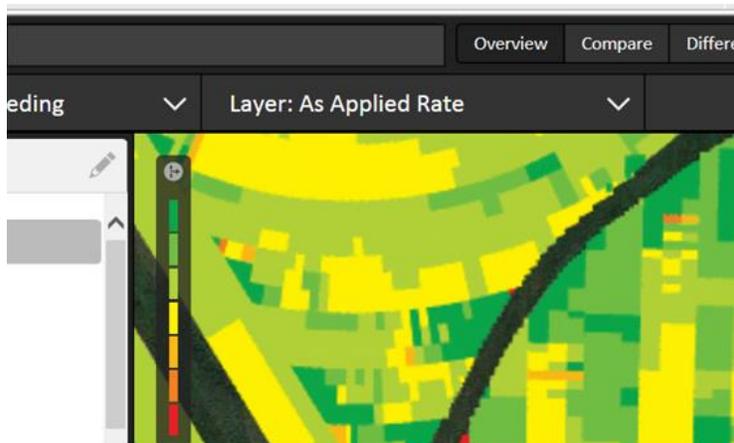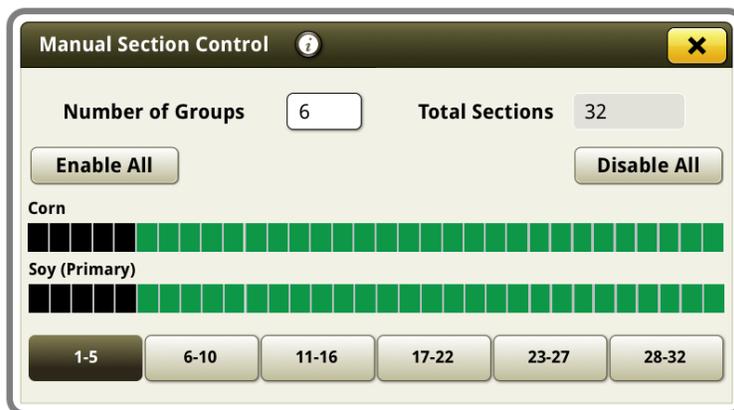- Drifting Manual RowSense™ without GPS Receiver Installed.

# New Features and Improvements

**Section Control –**

- Manual Section Control

Generation 4 Displays with 22-3 software can now manually override a group of sections in planting and seeding operations. The Manual Section Control feature will allow an operator to group their implement by however many sections they desire up six section groups. As the operator moves across the field, they will be able to utilize the Manual Section Control screen to override the section control command to disable all or specific groups of sections.

Example use case: An operator that may be planting in different directions on either side of a small waterway (interior boundary) within the same field. As the planter moves across the waterway planting in Direction A, some sections at the end may begin to enter the other side of the boundary where the operator plans to plant in Direction B. The applicable group of sections entering the other side of the boundary may be turned off while others are still planting to avoid planting where not desired. The Manual Section Control feature will allow the operator to shut off these sections while others on the planter are still planting or have not yet entered the other side of the boundary.
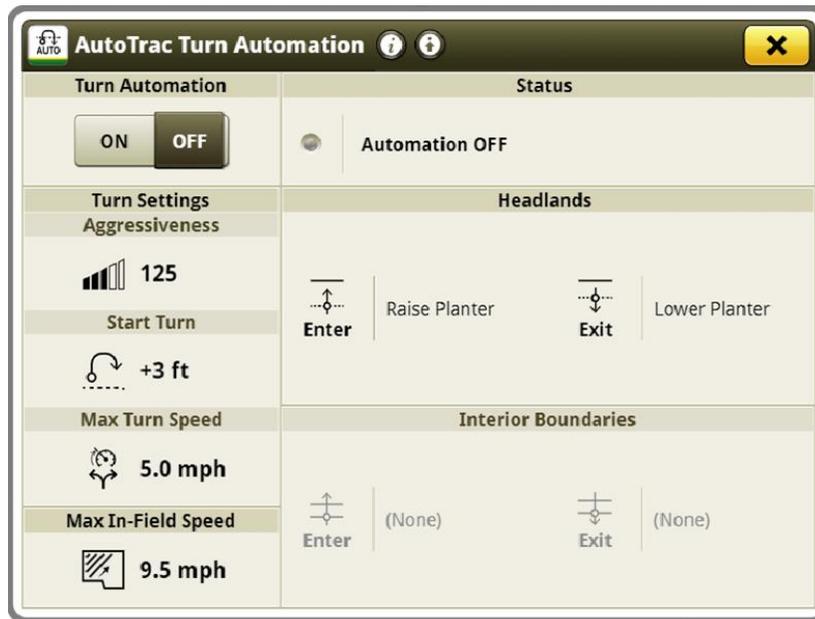
**Sub Harvesting Operations –**

- Work Plan for Mowing, Swathing, Bailing, and Wrapping
  Updates to the Generation 4 Display will allow an operator to leverage Work Plan benefits such as work and machine set up when performing sub-harvest operations such as Mowing, Bailing, or Swathing

**AutoTrac™ Turn Automation (ATTA) –**

- ATTA iTEC™ Shortcut
  The ATTA iTEC™ shortcut was removed from the ATTA page and the sequence space was increased. Users will continue to use the Headlands and Interior Boundaries areas to input sequences for ATTA.
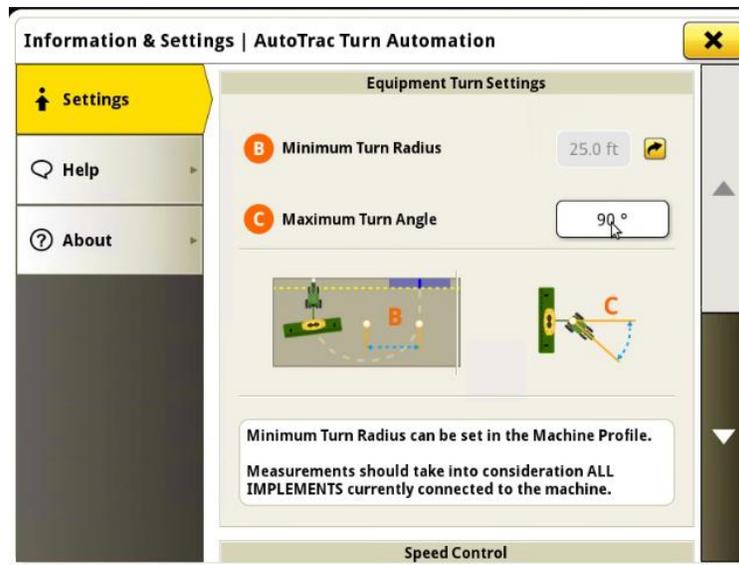
- ATTA Turn Distance

  The turn distance when the turn is unknown will now show up as "---" instead of >10k ft.



- ATTA Minimum Turn Radius

  The Minimum Turn Radius input may show up as grayed out if the machine provides the information with a link to the Equipment setup page.

# Additional Information and Training Resources

**Operator's Manual**

A copy of the Generation 4 Display Operator's Manual is available within the Help Center application on the display with Generation 4 OS software version 10.16.1400-85 and newer. This content is updated with software updates as needed. Always read the latest Operator's Manual prior to operation. To obtain a copy of the Operator's Manual, see your dealer or visit techpubs.deere.com.

**Onscreen Help**

Onscreen help supplements the information found in the Operator's Manual. The onscreen help can be referenced by opening the Help Center application on the display or by pressing the Information icon at the top of any page to view relevant help information for that page. Generation 4 Display Onscreen Help is also available for reference at displaysimulator.deere.com.

**Training Simulators**

To learn more about the Generation 4 Displays, there is an online training simulator available at displaysimulator.deere.com

# Release Notice

These are Generation 4 OS and AMS Applications software update release notes for the Generation 4 Displays. Release notes can be found on www.stellarsupport.com. Note: Your use of the software is governed by the End User License Agreement included with the software.

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