



2026 SEEDING CLINIC

|

INTEGRITY

EXCELLENCE

COLLABORATION

SUSTAINABILITY

AGENDA

- Importance of Operation Center Cleanliness
 - Out With The Old - In With The New
- Checking Licenses / Feature Enablement
- Creating Work Plans
- Display/Receiving Plans/Files
- Machine Offsets
- Display Technology Setup
- Rate Controller 3 / Sentinel

WHAT IS THE IMPORTANCE OF CLEANING UP OPERATIONS CENTER?

Accuracy – Minimizing clutter **and** preventing future errors **in** Operations Center and displays.

Consistency- Building a digital data foundation

Efficiency – Personalize & simplify the rest of user experience.



Setup > Team

- Remove Staff
- Remove Operator

Setup > Land

- Archive vs Delete

Plan > Work Planner

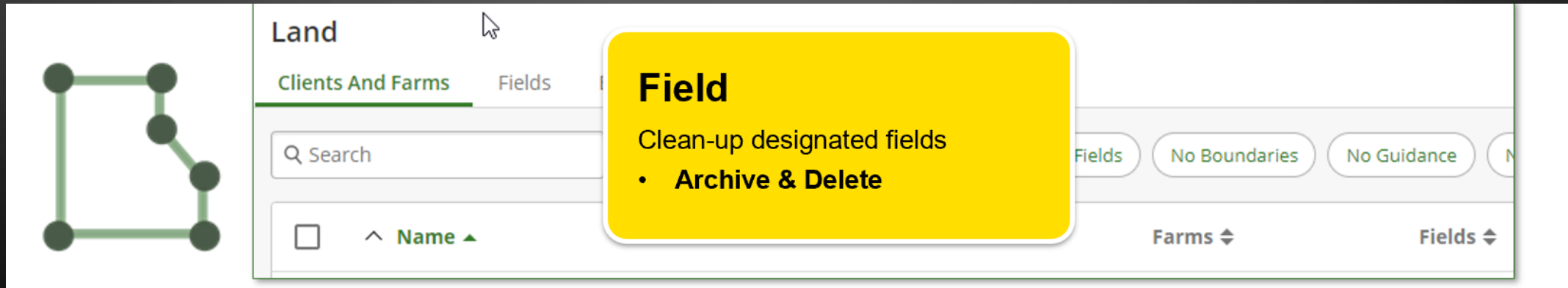
- Delete

Setup > Products

- Archive Tank Mixes, Fertilizers, Chemicals, and Varieties

CLEAN LAND ATTRIBUTES

- Archive will allow for re-use in the future
- Delete – “She Gone”



LAND CLEANUP FEATURES

The screenshot shows the John Deere Operations Center interface. At the top, there's a navigation bar with 'Home', 'Map', 'Setup', 'Plan', 'Analyze', and 'Service'. Below this, the 'Land' section is active, with sub-tabs for 'Clients And Farms', 'Fields', 'Boundaries', 'Guidance', and 'Flags'. A toolbar contains buttons for '+ Add', 'Archive', 'Export', 'Merge', 'Move', 'Convert', and 'Clean Up \$79', which is highlighted with a red box. On the left, there's a search bar and a table with columns for 'Name' and 'Area'. The main area is a satellite map of a farm with various fields and buildings. A legend at the bottom indicates 'Last Work Type' with categories: Tillage, Seeding, Application, and Harvest.


The screenshot shows a 'Data Cleanup Suggestions' dialog box. It lists several opportunities to cleanup data and complete setup:

- Archive Fields with No Data**: 169 Fields have no work data, boundaries, guidance, or flags. Archiving unused fields helps ensure data remains accurate and up-to-date. Buttons: Archive Now, Review Data.
- Archive Farms with No Fields**: 62 Farms have no fields. Archiving unused farms helps ensure data remains accurate and up-to-date. Buttons: Archive Now, Review Data.
- Archive Clients with No Farms**: 2 Clients have no farms. Archiving unused clients helps ensure data remains accurate and up-to-date. Buttons: Archive Now, Review Data.
- Archive Flag Categories with No Flags**: 28 Flag Categories have no flags.

A 'Close' button is located at the bottom right of the dialog box.

DELETE OLD WORK PLANS

- Keep your work list clean by deleting completed work plans
- Reduce risk of sending wrong plans to machines



Work Planner 2023

Planned Completed

Search

Priority ▲ Field ⇅ Harvest Progress ⇅ Tillage Depth ⇅

Work Plan

Clean-up designated work plans

- Delete

ARCHIVE OBSOLETE PRODUCTS



Products

Varieties Chemicals Fertilizers Tank Mixes

Search Crop Type Brand View Archived Filters

Name ▲ Crop Type ▾ Brand ▾

Products
Tank Mixes



Products
Fertilizers
Chemicals
Varieties

TEAM



Setup > Team

- Add Staff
- Assign Permissions

Equipment
Organization
Locations
Work
Financial

ORG MANAGEMENT PERMISSIONS

[Show Less](#) Access Level 0 1 2

- ✓ **View**
Ability to view organization staff, operators, and partners, including access levels and licenses.

Ability to access **Team tool**, view organization preferences. Includes operators for precision agriculture.
- ✓ **Manage**
Ability to add, edit, and delete staff, operators, partners, and manage licenses.

Organization Administrator: This is the recommended access level for dealer or partners to provide additional service and edit or maintain everything within the Operations Center or JDLink Dashboard for the customer. Ability to receive organization related emails, edit organization preferences, and create new organization. This also includes management of operators for Precision Ag. This allows a dealer or partner to change permission levels for themselves and others including approving new partnership requests. **Team** and Organization Preferences are the tools enabled.

Grant Additional Permissions

- Share Organization Data with Connected Software Companies**
Ability to connect to and share this organization's data to Connected Software Companies. To see a list of available connections, visit the Connections tool.

Overview Access Partner Assignments

Access and Levels

| | | |
|---|---|---|
| Equipment View, Edit, Manage | 3 | ✓ |
| Organization Management View, Manage | 2 | ✓ |
| Locations View, Analyze, Manage | 3 | ✓ |
| Work View, Manage | 2 | ✓ |
| Financial | 0 | ✓ |

FINANCIAL PERMISSIONS

[Show Less](#) Access Level **0** 1 2

View
Ability to view financial information.

Precision Agriculture only. Provides access to view Connected Software Provider contributed cost, revenue, profit maps, and other financial information. This is the suggested access level **for owners of the farming operation**. The setting only affects access to Operations Center financial information generated from field operations and documentation data.

Manage
Ability to create and delete financial information

Precision Agriculture only. Provides access to create and delete cost, revenue, profit maps and other financial information in Operations Center from a Connected Software Company. This is suggested access level **for users with connections to software companies that contribute financial data** into Operations Center. The setting only affects access to Operations Center financial information generated from field operations and documentation data.

Overview Access Partner Assignments

Access and Levels

| | | |
|---|---|---|
| Equipment View, Edit, Manage | 3 | ✓ |
| Organization Management View, Manage | 2 | ✓ |
| Locations View, Analyze, Manage | 3 | ✓ |
| Work View, Manage | 2 | ✓ |
| Financial | 0 | ✓ |

CHECK LICENSES BEFORE SEASON

- Time to check licenses
- Renew before season starts

| License | Organization | Equipment | Status | Start/End |
|--|---|--|-----------------------------|------------------------------|
| <input type="checkbox"/> G5 Advanced - 7/8/9 Series Tractor A-S00040524 | GreenMark Fields of Knowledge - 1003021 4098 M-40, Holland, MI | 1RW9640DKRJ826456 1RW9640DKRJ826456 | Activate License | --- |
| <input type="checkbox"/> SF-RTK - IU A-S00242716 | GreenMark Fields of Knowledge - 1003021 4098 M-40, Holland, MI | SF7500 Integrated PCG75FA104267 | Active Expires: 34 Days | Feb 25, 2025 Mar 1, 2026 |
| <input type="checkbox"/> John Deere Autonomy - IU A-S00266065 | GreenMark Fields of Knowledge - 1003021 4098 M-40, Holland, MI | G5 CommandCenter PCG5CSA117673 | Active Expires: 34 Days | Mar 26, 2025 Mar 1, 2026 |
| <input type="checkbox"/> SF-RTK A-S00253145 | GreenMark Fields of Knowledge - 1003021 4098 M-40, Holland, MI | SF7000 PCS17UB126912 | Active Expires: 45 Days | Mar 11, 2025 Mar 12, 2026 |
| <input type="checkbox"/> Ultimate S7/X9 Combine with SF-RTK A-S00262436 | GreenMark Fields of Knowledge - 1003021 4098 M-40, Holland, MI | 1H0S780SCST835370 1H0S780SCST835370 | Active Expires: 219 Days | Sep 1, 2025 Sep 2, 2026 |
| <input type="checkbox"/> G5 Advanced - 7/8/9 Series Tractor A-S00187207 | GreenMark Fields of Knowledge - 1003021 4098 M-40, Holland, MI | AUTO DEMO 1RW8410D... 1RW8410DCPB240018 | Active Expires: 761 Days | Feb 26, 2025 Feb 26, 2028 |
| <input type="checkbox"/> G5 Advanced - Self-Propelled Applicatio... A-S00316160 | GreenMark Fields of Knowledge - 1003021 4098 M-40, Holland, MI | 0 | Expired Jul 24, 2025 | Jun 23, 2025 Jul 24, 2025 |

ENABLE AUTOPATH



Org Preferences

- View JDLink Telematics Service Agreement
- Verify AutoPath™ is enabled

ORG PREFERENCES

Two Ways



Setup > Team

JOHN DEERE | Operations Center

Home Map Setup Plan Analyze Sustainability More

Notifications

History Email Preferences

Search

| Name | Organization | Severity | Category | Equipment | Subscribe |
|------------------------|----------------|----------|----------|-----------|-----------|
| Machine Reports 379414 | OTC Training 4 | All | Reports | All | Yes |

OTC Training 4

- OTC Training 4 7001 Dallas Blvd, ORLANDO, FL 32833 US
- LAIS Sample Data JD Harvester Worldwide Product Developm...
- OTC Training 1 7001 Dallas Blvd, ORLANDO, FL 32833 US
- R4 Demo Data Set

JOHN DEERE | Operations Center

Home Map Setup Plan Analyze Sustainability More

Team | OTC Training 4 7001 Dallas Blvd, ORLANDO FL 32833

Staff Operators Partners Dealers Connections

Search Permissions Filters

| Name | Equipment | Organization |
|------|-----------|--------------|
|------|-----------|--------------|

JOHN DEERE | Operations Center

Map Setup Plan Analyze Sustainability More

Land > Organization Preferences

Organization Terms And Conditions Feature Enablement Equipment Preferences Agronomic Preferences

AutoPath™

AutoPath™

Enable AutoPath™

Data from the first pass is used to automatically create full-field guidelines for use on secondary passes.

Enabled

AUTOPATH UPDATES

| FEATURE UPDATE | (ROWS) | (BOUNDARIES) |
|--|--------|--------------|
| 25.3 GenOS Software Release Notes | | |
| Round / square corner planning option | | X |
| Headland size defined by # of passes | | X |
| Headland guidance planning improvements | | X |
| User experience editing improvements | X | X |
| Recording status checklist improvements | X | |
| John Deere Operations Center Land preview | X | |

AUTOPATH TRACK PREVIEW IN LAND

The screenshot displays the John Deere Operations Center web interface. At the top, the John Deere logo and 'Operations Center' are visible. The navigation bar includes Home, Map, Setup, Plan, Analyze, Service, and More. The current view is 'Land' > 'Growing hope' > 'GH 25 AGRONOMY A...'. The 'Guidance' tab is active, showing a preview of an AutoPath plan. The plan name is 'GH 25 AGRONOMY ANALYZER'. The boundary is 'Gh-Boundary'. The preview track spacing is set to 60 feet. Under 'Headland Tracks', the 'Source' is set to 'Active Boundary'. The 'Headland for Exteriors' is set to 'Constant Offset: 120 ft' and 'Headland for Interiors' is set to 'No Headland'. The main map area shows an aerial view of a field with a red and blue track layout. The track starts at a red dot on the left, moves right, then turns right and moves down, then turns left and moves right, ending at a black dot. The track is composed of multiple parallel lines. The map also shows '56th St' and 'Headland Passes: 2' and 'Field Passes: 9'. A 'Need Help?' button is visible in the bottom right corner of the map area.

PLANTING OPERATION – IN OFFICE

Create Work Plan - Plant

- Field
- Crop
- Varieties
- Rate
- Guidance lines *
- Machines (add both from your table)
- Operator

Plan Work - Seeding 2025 1 Field Selection

Crop *

Select a crop

Varieties

Variety

Select a variety

Rate Rx Unit Select...

+ Select additional variety

Products and Mixes

Product and Mix

Select Product/Mix

Rate Rx Unit Select...

+ Select additional product or mix

Guidance

Automatically Select AutoPath™ (Rows)

Select All AutoPath™ (Boundaries)

AUTOMATIC WORK PLAN

The screenshot displays a software settings window titled "Information & Settings | Work Setup". On the left is a sidebar with three menu items: "Settings" (highlighted in yellow), "Help", and "About". The main content area is divided into three sections:

- AutoPath Recording:** Contains a checkbox labeled "Enable AutoPath Recording Status" which is currently unchecked.
- Work Plans:** Contains a checked checkbox labeled "Remove completed and deleted Work Plans". Below this is a text box explaining: "Work Plans will be removed when marked complete or deleted in Operations Center. The display requires a connection to the internet and the Work Plan's organization."
- Automatic Work Plan Activation:** Contains a checkbox which is unchecked. Below it is a text box stating: "The Work Plan for the current field is automatically activated if operator action is not required."

At the bottom of the window, there is a section for "Operator License" which is currently empty. A vertical scrollbar is visible on the right side of the main content area.

PLANTING OPERATION – SETUP

Setup the Display and Technology - Setup Precision Ag technologies for planting using setup data from the Operations Center

- Implement guidance
- Advanced TCM Calibration
- Section Control
- In-field Data Sharing
- AutoTrac Turn Automation
- Autopath

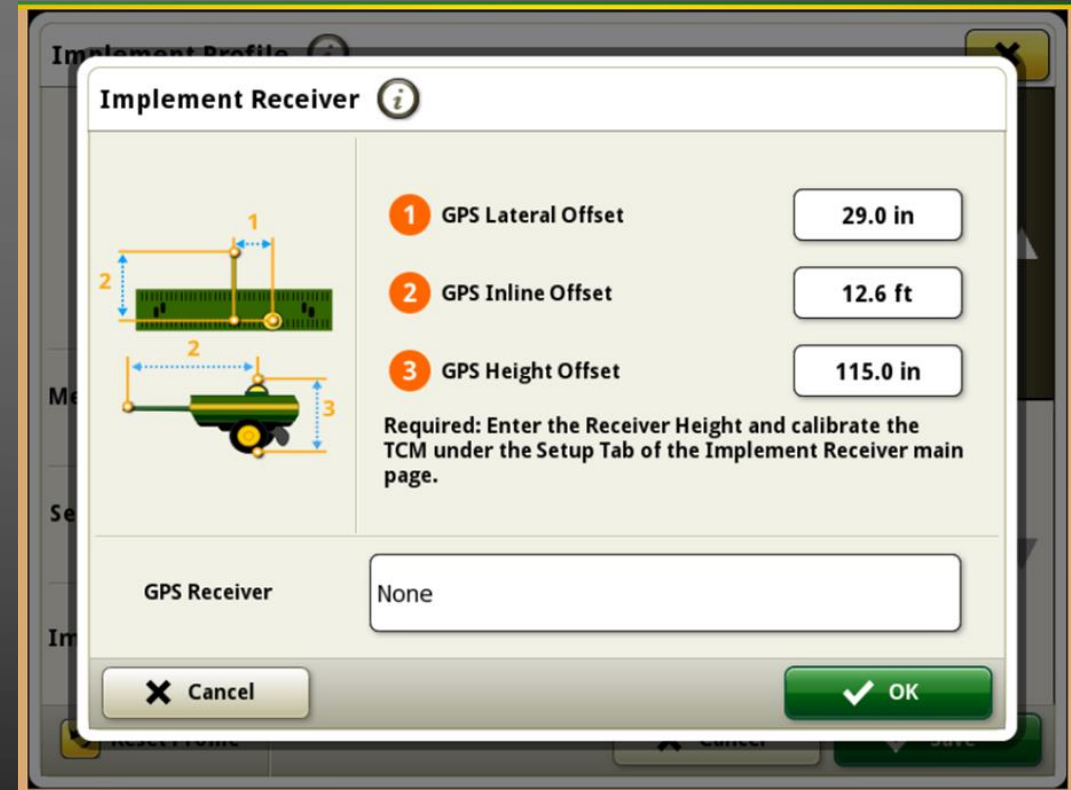
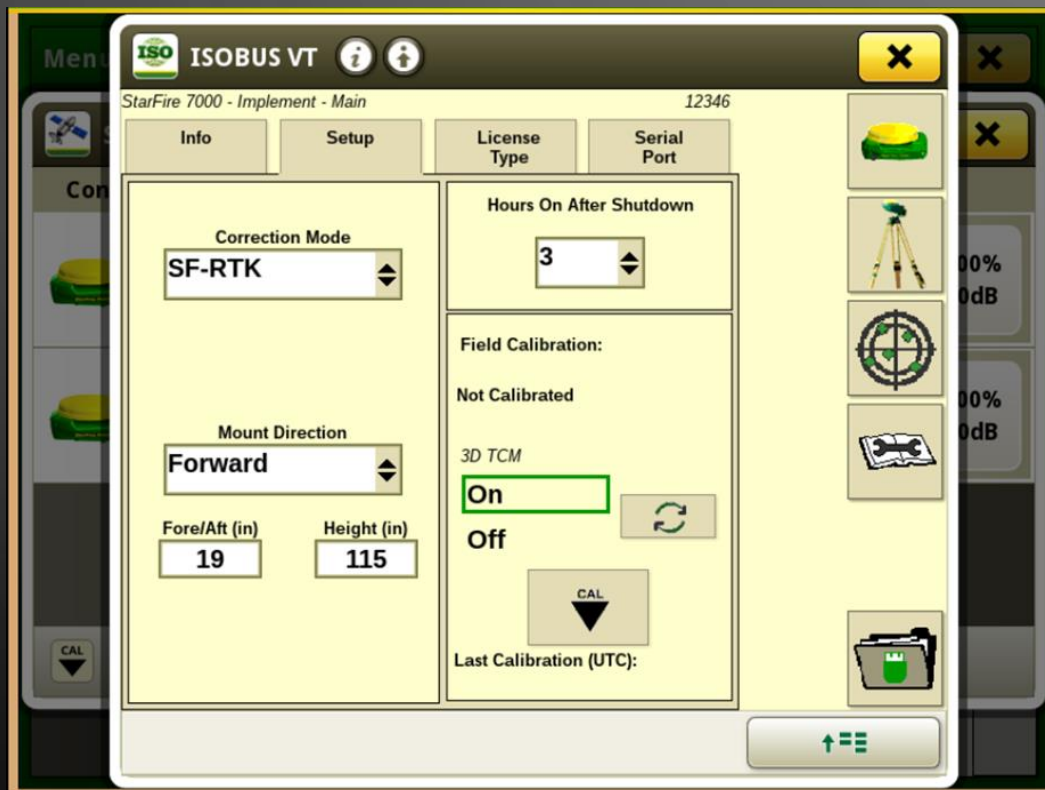
WHY DO WE MEASURE IMPLEMENT GUIDANCE RECEIVERS?

- **Accuracy** - Knowing where each seed is planted
- **Consistency** - Knowing the exact row location for the following production cycles

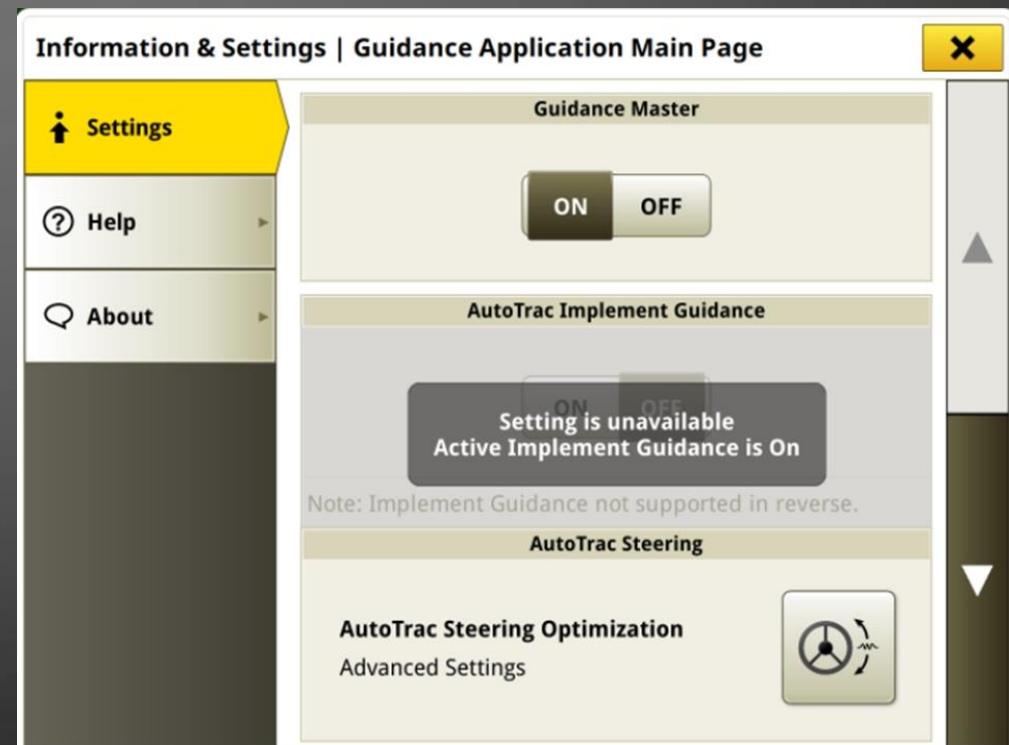
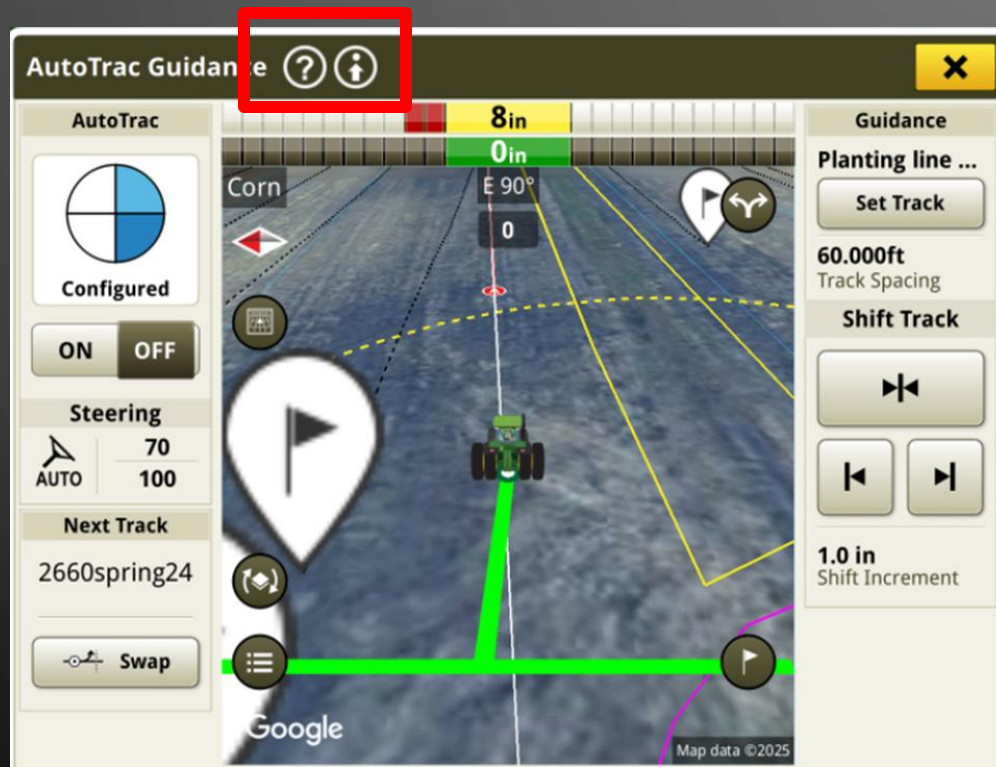


Planter Implement Guidance Measurements

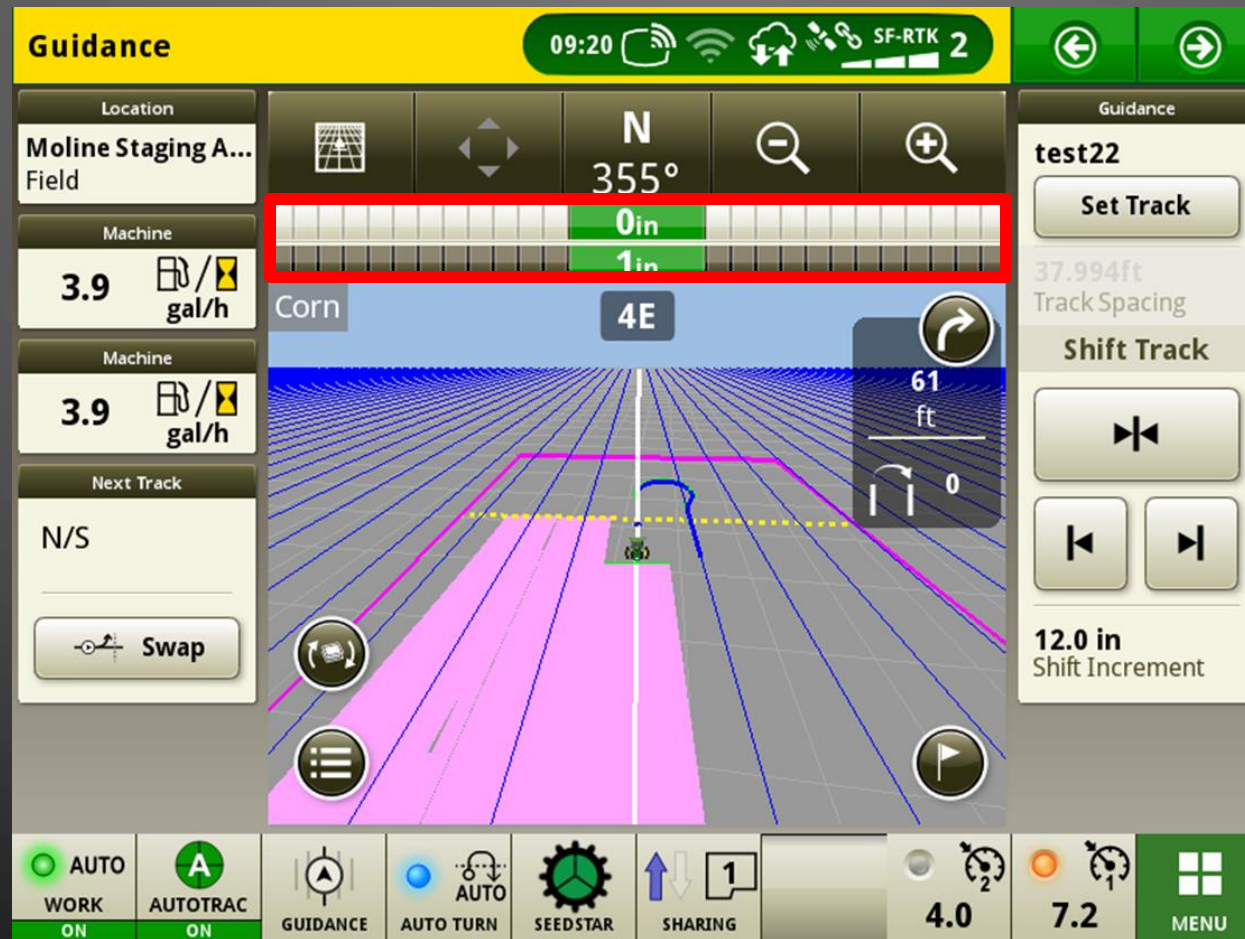
IMPLEMENT GUIDANCE – MEASUREMENTS FOR THE RECEIVER



INFORMATION & SETTINGS PAGE



IMPLEMENT GUIDANCE

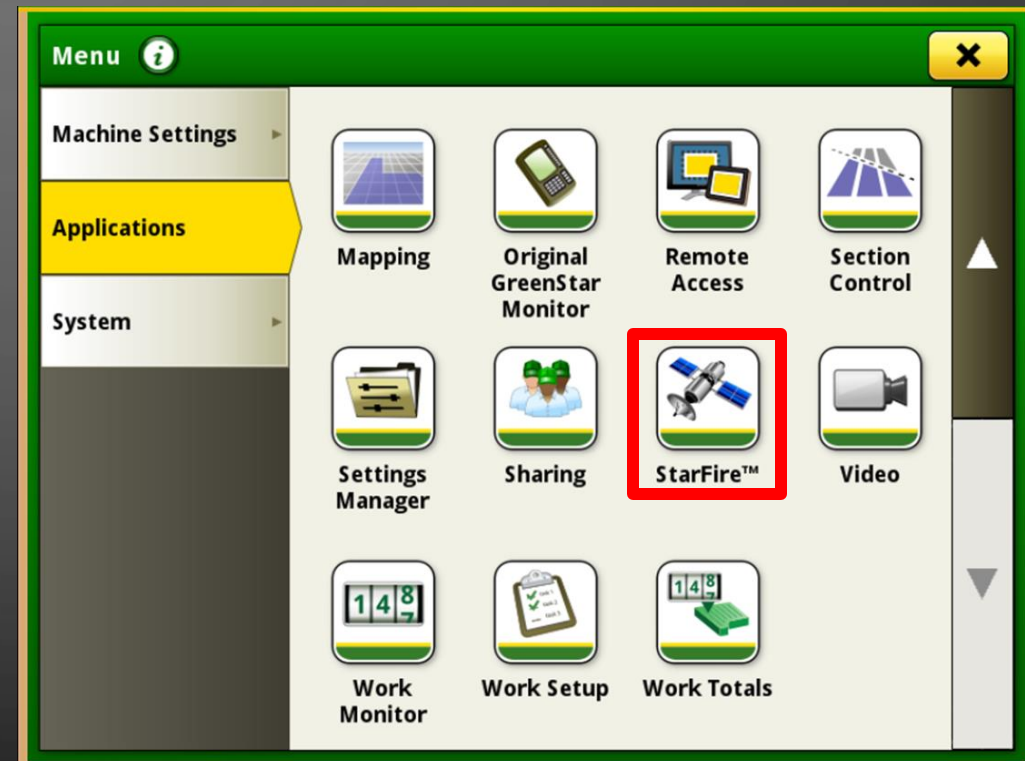


WHY ADVANCED TCM CALIBRATION?

- Accuracy – active location of tractor and implement

Advanced TCM Calibration

- Note* don't use shortcut to receiver page
- Use: StarFire™



ADVANCED TCM CALIBRATION


The screenshot displays a software interface for a 'Server Manager'. A 'StarFire Device List' dialog box is open, showing a table of connected receivers. The table has two columns: 'Connected Receivers' and 'Status'. Two rows are visible, both for 'StarFire 7500' devices. The first row is for a 'Machine' with SW Version 2.30J and SN 12347. The second row is for an 'Implement' with SW Version 2.30J and SN 12348. Both rows show 'SF-RTK' status, 'Accuracy' at 100%, and 'Signal Str.' at 10dB. At the bottom left of the dialog, a button labeled 'CAL' with a dropdown arrow and the text 'Advanced TCM Calibration' is highlighted with a red box. The background interface shows a sidebar with 'Machine Settings', 'Applications', and 'System' sections, and a bottom bar with 'Work Monitor', 'Work Setup', and 'Work Totals' options.


| Connected Receivers | Status |
|--|-------------------------------------|
| StarFire 7500 Machine SW Version: 2.30J SN: 12347 | Accuracy 100% Signal Str. 10dB |
| StarFire 7500 Implement SW Version: 2.30J SN: 12348 | Accuracy 100% Signal Str. 10dB |

CAL Advanced TCM Calibration

ADVANCED TCM CALIBRATION

Advanced TCM Calibration ?

| Calibration Process | Note |
|--|--|
| <p>Calibration may be needed if:</p> <p>This procedure calibrates the TCM for all connected, compatible receivers, SF6000 and newer.</p> <ul style="list-style-type: none">• Message has appeared stating that TCM Calibration is required | <p>Calibration requires tracking 165 ft, turning, and returning. Ensure 330 ft of open space is available.</p>  |
| Connected Receivers | Status |
| Starfire 7500 Last Calibrated (UTC): N/A | Ready to Calibrate |
| Starfire 7500 Last Calibrated (UTC): N/A | Ready to Calibrate |

CAL  **Begin Calibration**

WHY SECTION CONTROL?

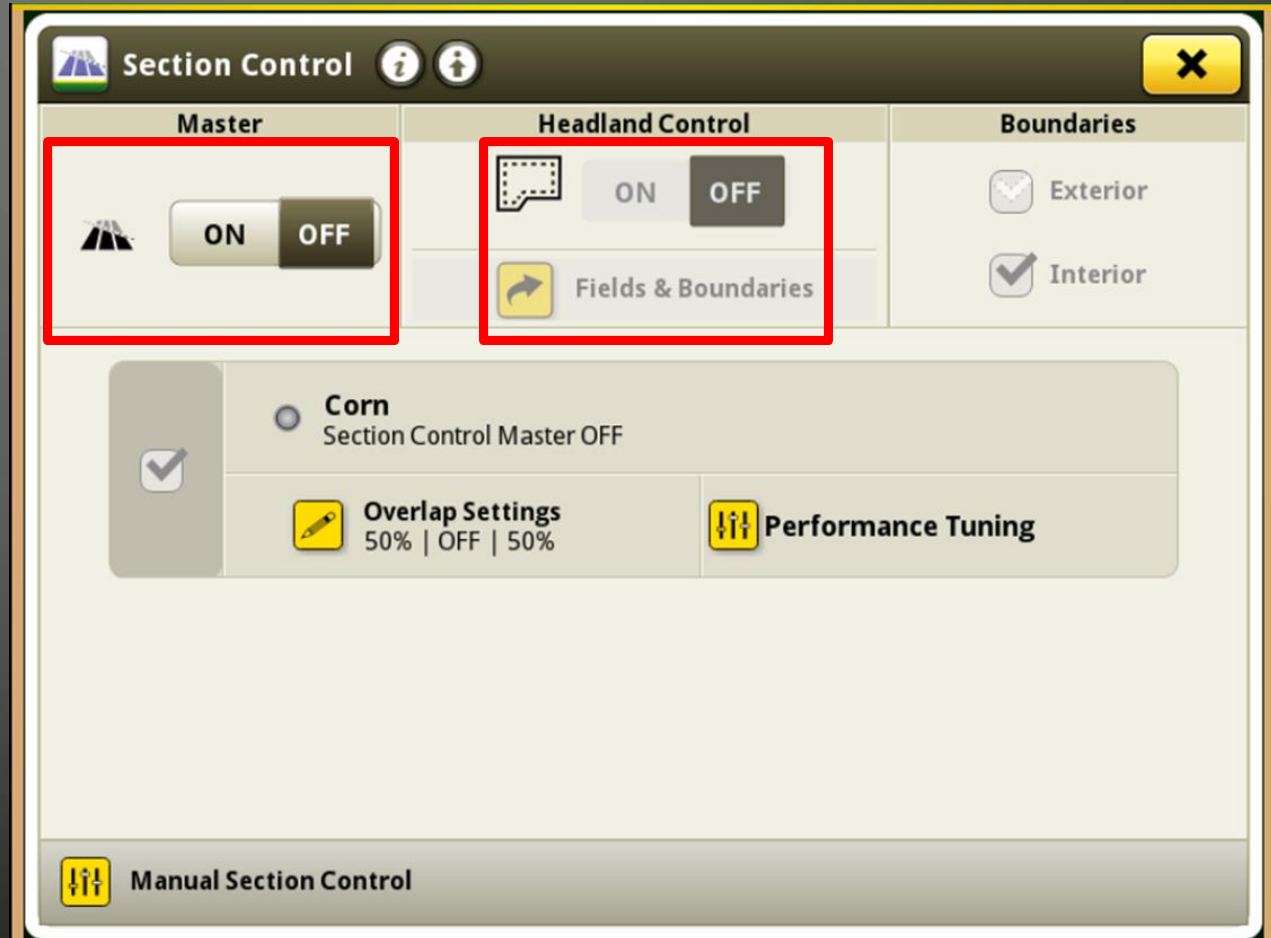
- **Accuracy** – eliminates overlaps and over planting
- **Consistency** – seed placement
- **Monitoring** – ability to view row shut off while planting

SECTION CONTROL

Turn Master
ON

Headland control

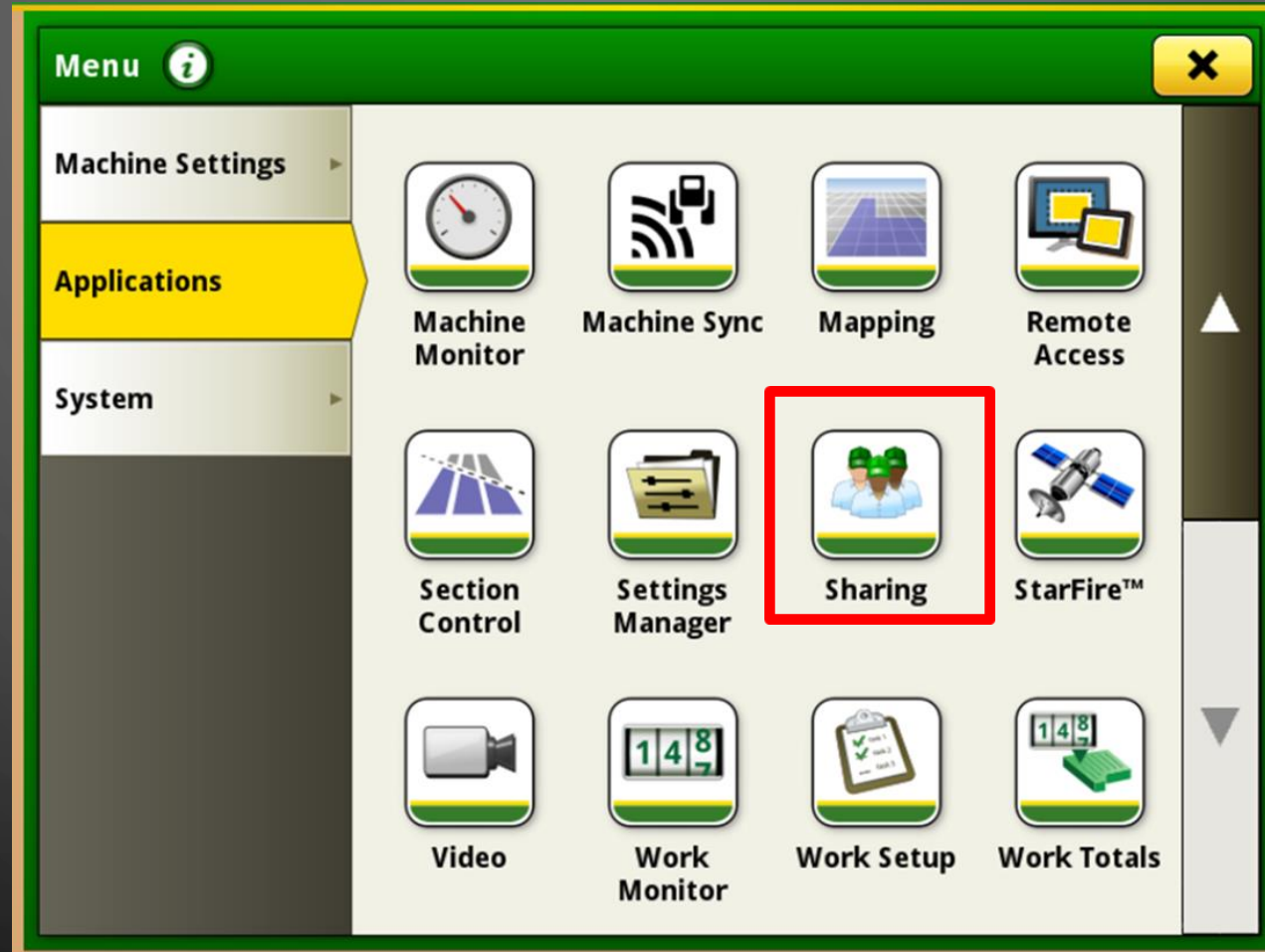
On for field line
OFF for headlands



WHY IN-FIELD DATA SHARING?

- **Accuracy** – know the location of each machine in field
- **Efficiency** -- operate multiple machines in one field
- **Monitoring** – shared coverage maps

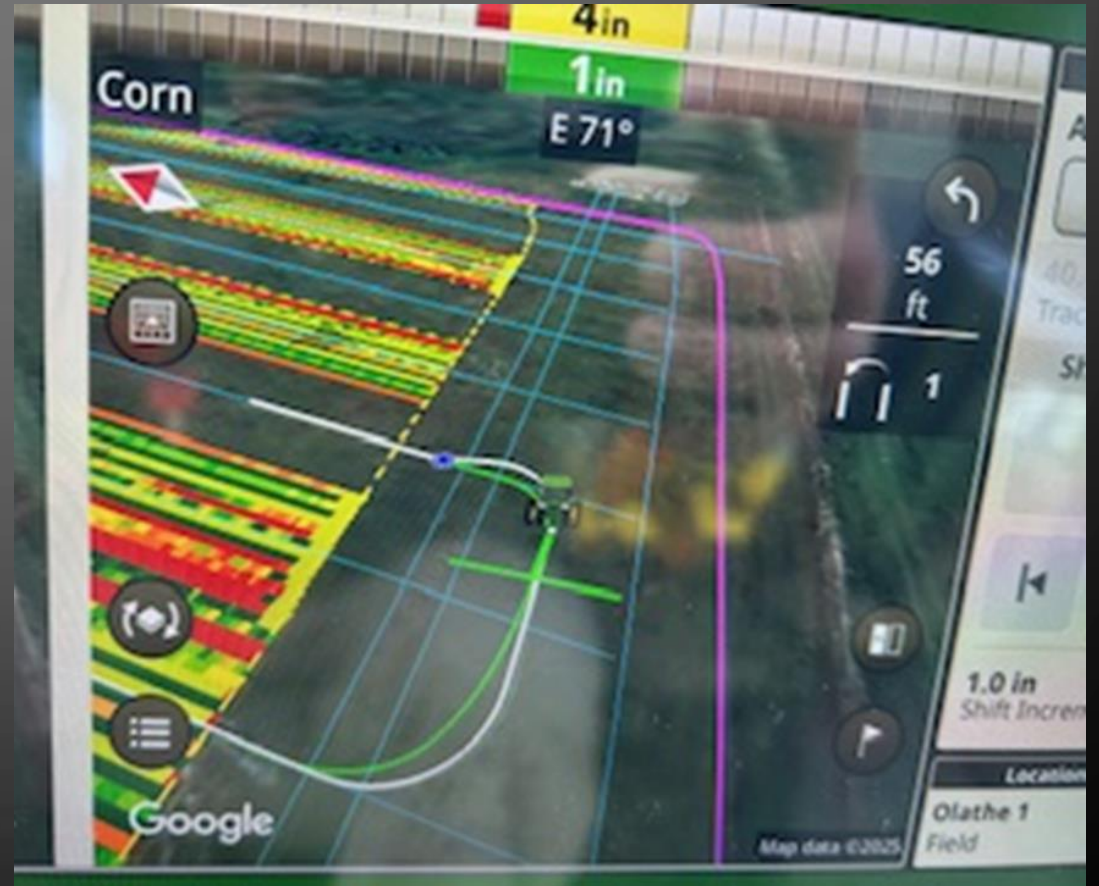
IN-FIELD DATA SHARING



WHY AUTOTRAC™ TURN AUTOMATION?

- **Consistency** - turns and speed management
- **Accuracy** - raise and lower implement at precise spots
- **Efficiency** - reduce operator error
- **Monitoring** - operator can focus on more than driving

AutoTrac™ Turn Automation



WHY AUTOPATH™?

- **Consistency** – use same guidance lines
- **Accuracy** – precise row location
- **Efficiency** - reduce operator error
- **Monitoring** - operator can focus on more than driving

AUTOPATH™

Work Setup ⓘ ⓘ

| Location | Work Summary |
|--------------------------------------|--|
| South 40 Deere Simulator | Type: Planting / Seeding |
| Equipment | Crop: <input type="text" value="Corn"/> |
| Tractor | Variety: <input type="text" value="..."/> |
| Planter 1 | Target Rate/Rx: <input type="text" value="Controller Rate"/> |
| Settings Manager | |
| Details | |
| --- --- | |
| 2024 Season | |

Work List **+** New Work

Information & Settings | Work Setup ✕

- Settings**
- Help ⓘ
- About ⓘ

AutoPath Recording

- Enable AutoPath Recording Status**

Work Plans

- Remove completed and deleted Work Plans**

Work Plans will be removed when marked complete or deleted in Operations Center. The display requires a connection to the internet and the Work Plan's organization.

- Automatic Work Plan Activation**

The Work Plan for the current field is automatically activated if operator action is not required.

Operator License

Planting Operation – In Field

AutoPath™

Work Setup

Location
Moline 2
OpsAdj | OTC_OA

Equipment
8370R
1A01725HTNT800142

Settings Manager

AutoPath Recording
Ready to record

Work Summary
Soybeans
92Y20
Cornbelt Base
Fertilizer | Adjuvant

AUTO WORK ON

Work List | New Work | OK

AutoPath Recording | Status

Status
Ready to record

Prerequisites

- ✓ Implement Receiver must be set up in profile
- ✓ Row/Section information must be defined
- ✓ Implement Receiver must be present
- ✓ Implement Receiver accuracy must be SF3 or higher

! Verify Implement Receiver Fore/Aft and Height

Note: Contact your local John Deere dealer with any additional questions about AutoPath

AUTOPATH™

The screenshot shows the 'Work Setup' interface. On the left, under 'Location', it lists 'Moline 2' with 'OpsAdj | OTC_OA'. Under 'Equipment', it lists '8370R' and '1A01725HTNT800142'. Below that is a 'Settings Manager' button. The 'AutoPath Recording' section is highlighted with a red box and shows a green status indicator and the text 'Ready to record'. At the bottom, there are 'Work List' and 'New Work' buttons, and an 'OK' button.

The screenshot shows the 'AutoPath Recording | Status' dialog box. The 'Status' section shows a green indicator and 'Ready to record'. The 'Prerequisites' section lists four items, each with a green checkmark: 'Implement Receiver must be set up in profile', 'Row/Section information must be defined', 'Implement Receiver must be present', and 'Implement Receiver accuracy must be SF3 or higher'. The bottom prerequisite, 'Verify Implement Receiver Fore/Aft and Height', is highlighted with a red box and has a yellow arrow button next to it. A note at the bottom reads: 'Note: Contact your local John Deere dealer with any additional questions about AutoPath'.



RATE CONTROLLERS

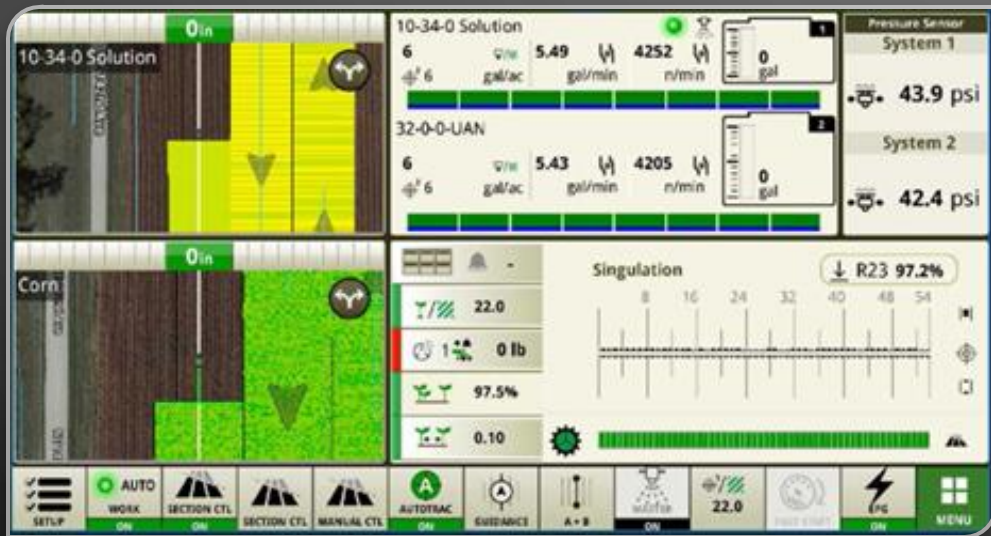
- John Deere Rate Controller 3
- SurePoint Sentinel

RATE CONTROLLER 3



- The **John Deere Rate Controller 3** brings with it an entirely new offering of harnesses and adapters making installation and serviceability much easier.
- The new connection allows the user to easily connect and disconnect the parts from one another while offering a great seal which protects the internal wiring from weathering or other damage.

FLEXIBLE RUN PAGES



- Create customized run pages using new run pages modules. This allows the operator to quickly and easily get to work with confidence while keeping a closer eye on every aspect of the operation.
- For instance, monitor both planting and application through one run page.

396-4035Y1



Sentinel Liquid Row-Flow Monitor Sentinel Rate Control for ISOBUS Installation and Setup



1-Product 1

| | | | | |
|-----------|---------------|-----------------------|--------------------|-------------------------|
| MASTER ON | SPEED 6.0 MPH | ACTUAL PRESS 29.7 PSI | DUTY CYCLE 38.86 % | Manual Section |
| 5.0 GPA | 5.0 | 5.0 GPA | 5.00 GPA | User Def |
| 5.0 GPA | 5.0 | 0.0 | Rate 1 5.00 | DUTY CYCLE AUTO 38.86 % |
| | | | Rate 2 10.00 | SECTION CONTROL |
| | | | Rate 3 15.00 | |

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|---|---|---|---|---|---|---|---|
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

GPA 5.0 GPM 0.14

9:49am

1-Product 1

| | | | | | |
|-----------|---------------|-----------------------|--------------|--------------------|----------------|
| MASTER ON | SPEED 4.0 MPH | ACTUAL PRESS 10.6 PSI | FLOW 0.8 GPM | DUTY CYCLE 20.93 % | Manual Section |
|-----------|---------------|-----------------------|--------------|--------------------|----------------|

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

Valve Setup Screen

Ctrl Spd: (Valve Control) - if the rows seem to be bouncing around the rate on a normal pass, lower the Ctrl Spd. If the rows are slow adjusting to a rate change or speed change, increase the Ctrl Spd. (100 to 120 to 140 etc...)

ISOBUS VT ? i X

SENTINEL

1-Product 1

| TARGET | ACTUAL |
|--------|--------|
| GPA | GPA |
| 20.00 | 0.0 |

MASTER OFF SPEED 0.0 MPH ACTUAL PRESS 0.1 PSI TOTAL 0.0 GAL DUTY CYCLE 0.00 % Manual Section

20.0 GPA 0.0 20.00 GPA User Def

Rate 1 5.00 DUTY CYCLE AUTO 0.00 %

Rate 2 10.00 SECTION CONTROL MAN

Rate 3 20.00

Operate Setup Diagnostic

Press (Volts/Max) 0-5V 100.0 Tank Alarm % 0 Tank Capacity 0 Tank Level 0 GAL

Valve Control Ctrl Spd 75.00 Ki 0.10 AUX INPUTS FAN/SPN SETUP BACK

BACK

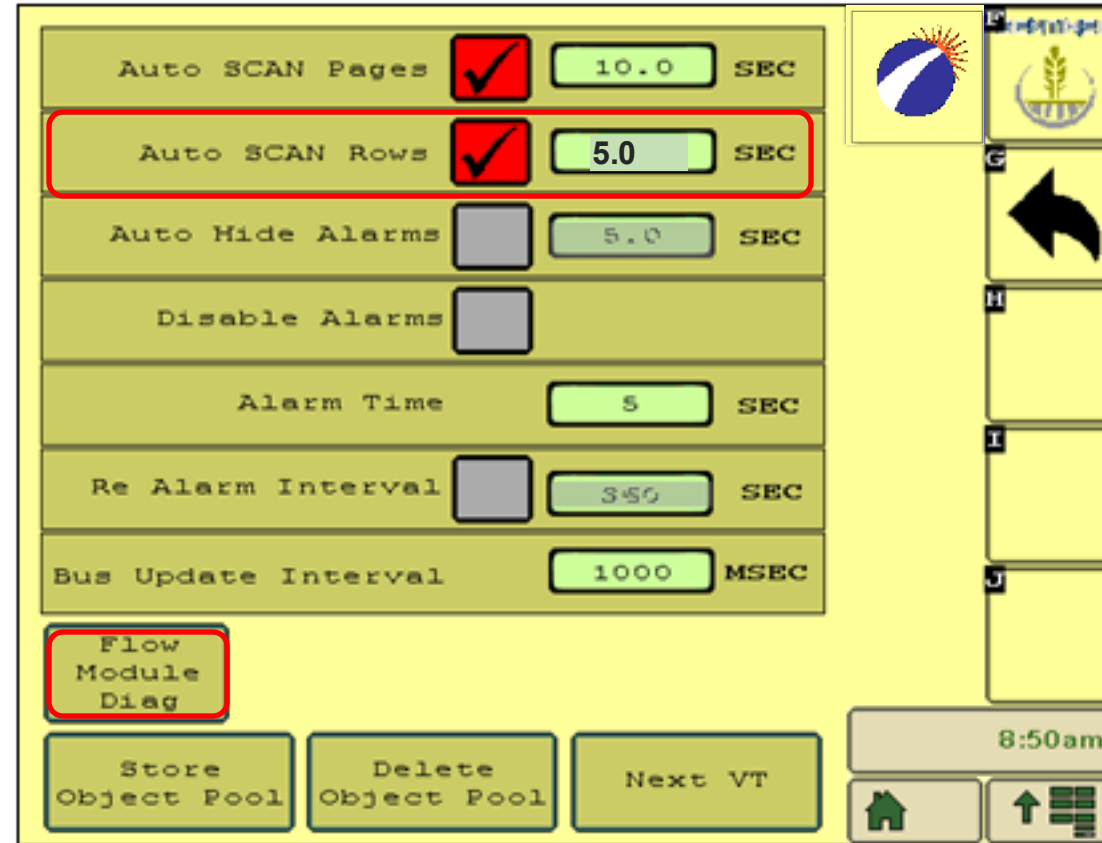
Alarms > Flow Module Diagnostics (Addressing Modules)

Set SCAN and ALARM parameters here.



Flow Module Diagnostics: Press to start module addressing process.

Bus Update Interval: Don't change this unless directed by SurePoint support.



Store Object Pool & Delete Object Pool: Don't use this unless directed by SurePoint support.

Next VT: If the system has more than one VT display, Sentinel may boot up on another display. Press Next VT to change the display Sentinel uses.

Addressing Sentinel Modules

1. All modules plugged in – this screen should be expecting the modules
2. **Reset All Addresses**
3. One person watch this screen.
4. Unplug all modules.
5. Starting with Row 1 – Product 1, one at a time, plug in module (watch lights on module, watch screen)
6. Set Orientation (ABCD or DCBA)

(Low voltage can cause addressing problems. Start tractor to ensure good voltage.

The screenshot shows the 'Module Status' screen with a 5x6 grid of module slots. The first row (Row 1) contains four modules labeled 'ABCD' in green boxes, and the fifth slot is empty. The remaining rows (2-5) are empty. A legend indicates:

- Red: Expected but no Communication
- Green: Expected and communicating
- Blue: Not expected

 A 'Reset All Addresses' button is highlighted in blue. On the right side, there are navigation icons: a home button, a back button, a 'Flow Module Diag' button, and a 'DCBA' button. The time displayed is 8:53 am.

Example 16-Row—D C B A Orientation





JOHN DEERE



GREENMARKTM
E Q U I P M E N T

INTEGRITY

EXCELLENCE

COLLABORATION

SUSTAINABILITY