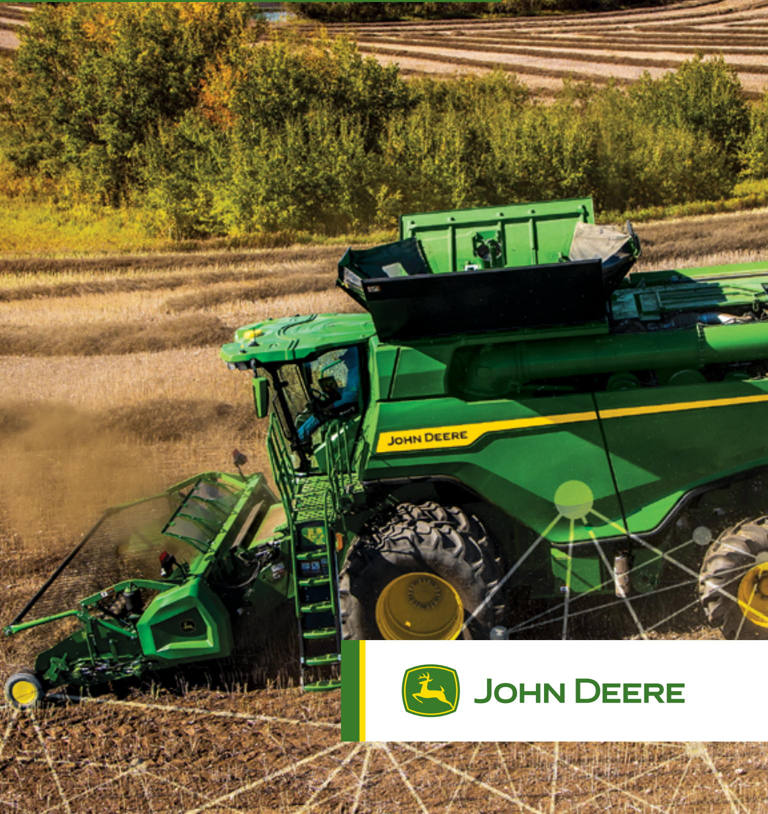
JOHN DEERE
OPERATIONS CENTER™

QUICK REFERENCE GUIDE
Version 1.1



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Welcome to Operations Center

You're on your way to an even smarter farming operation, fueled by data and powerful connections. We're here to help!

This guide is a no-frills training booklet that will walk you through specific tasks within Operations Center. Follow the steps, and you will soon discover the full value of Operations Center.

This booklet has four sections: Setup, Plan, Monitor, and Analyze. Each builds upon the previous, showing you how to use several of the Operations Center's most valuable tools. Some instructions also include a QR code that will take you to additional resources for deeper details.

This printed booklet is current as of its publication date, but Operations Center is constantly changing and improving. To see the most current digital copy of this booklet, scan this QR code:

CONTENTS

SETUP

Setting up your organization is step 1 to get the most from Operations Center, paving the way for you to improve work accuracy in the field and reduce decisions in the cab. For this enhanced user experience, we'll show you how to set up:

- Equipment
- Land
- Boundaries
- Guidance Tracks
- Products

* *All task instructions are for use through a web browser unless otherwise marked for mobile.*

Create an Operations Center Account

1. Go to **OperationsCenter.Deere.com** in your web browser
2. Click **Create Account**
3. Select the *Category* and *Focus* that describes your operation
4. Enter your *Username* and *Email Address*, then click Submit for **Email Verification**
5. Enter the *Verification Code* that was sent to your email account, then click **Verify Email**
6. Enter your *Personal Information*, then click **Next Step**: **Create Password**
7. Enter a *Password*, re-enter your *Password* to confirm it, then click **Create Password**
8. Enter your *Organization Name*, then click **Next**
9. Read the Terms and Conditions, check the box to agree to them, then click **Next**
10. Enter *Equipment Serial Number*, then click **Add Equipment** OR click **Add Equipment Later**
11. Select your *John Deere Dealer* and enable or disable data sharing with your dealer, then click **Complete Setup**
12. 12. Click **Done**

Introduction to Operations Center Web

Add Equipment

Monitor equipment status, send plans to displays, easily move data to Operations Center

1. Click **Setup > Equipment > +Add**
2. Enter *Equipment Serial Number*
3. Enter modem (optional)
4. Click **Add Equipment**

Note: Your dealership can help transfer equipment and modems into your organization.

Note: A modem is required to enable wireless data transfer and remote display access capability.

Setting Up Your Equipment

Create a Field

Ensure documentation data is recorded using the same name across all machines for easy sorting and analysis in Operations Center

1. Click **Setup > Land > +Add**
2. Select *Field* as location type
3. Select your *Client* or click **Add New Client**
4. Select your *Farm* or click **Add New Farm**
5. Enter the *Field name*
6. Click **Save**

Setting Up Your Land

Create a Boundary by Drawing

Denote location of fields for team communications

1. Click **Setup > Land > +Add**
2. Select *Boundary* as the location type
3. Select *Draw new*
4. Select the *Field* to associate the boundary, then click **Next**
5. Enter a *Boundary Name*, select *Boundary Status* and *Irrigation*
6. Click **Draw Polygon**, **Draw Circle**, or **Draw Rectangle** buttons on the right side of the map to draw a border around your field
7. If applicable, click **Add Interior Shape**, then use the drawing tools to draw any interior boundaries
8. Click **Save**

NOTE: Boundaries created by drawing are not recommended for use in work planning.

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Create a Boundary from Previous Operation

Enable easier utilization of precision ag technologies

1. Click **Setup > Land > +Add**
2. Select *Boundary* as the location type
3. Select from *Previous Operation*
4. Select the *Field* to associate the boundary, then click **Next**
5. Enter a *Boundary Name*
6. Select the *Operation* that created the boundary
7. Click **Save**

Create a Guidance Track

Improve work efficiencies and accuracy by better controlling equipment

1. Click **Setup > Land > +Add**
2. Select *Track* as the location type
3. Select *Straight Track* or *Circle Track*
4. Select the *Field* the track is associated with
5. Click **Next**
6. Enter *Track Name*
7. Check box to Enable Snap to Boundary (optional)
8. Draw your track on the map
9. Click **Save**

Add a Flag

Highlight in-field obstacles and crop conditions

1. Click **Setup > Land > +Add**
2. Select *Flag* as location type
3. Select *Flag Type* and *Field Associated*, then click **Next**
4. Select *Flag Category* or click **Edit Flag Categories** to add your own flag category, then select flag location on the map
5. Enter *Notes* (optional)
6. Click **Save**

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1. Click **Map** > **Flag+**
2. Touch on the map to drop flag
3. Select *Category* or click **+Add** to create a new flag category and custom flag color
4. Select **Field**, and enter **Notes**
5. Add a photo (optional)
6. Click **Save**

Add a Products

Manage all inputs (seed varieties, fertilizers, chemicals) used in your operation for accurate documentation

1. Click **Setup** > **Products** >**+Add** > **Products**
2. Search for desired product by name, crop type, or brand
3. Check box next to product you want to add
4. Click **Add Product**

Setting Up Your Products

Add a Tank Mix

Plan product totals by tank or by area and document accurate product rates

1. Click **Setup > Products > +Add > Tank Mix**
2. Enter *Tank Mix Name*
3. Select *Target Crop(s)*, enter *Overall Application Rate* and *Tank Size*
4. Enter *Notes* (optional)
5. Select the *Carrier*
6. Enter *Application Rate* or *Amount per Tank* for each product
7. Click **Save Tank Mix**

Add a Staff Member

Add managers to help run your organization

1. Click **Setup > Team > +Add > Staff Member**
2. Enter the *Staff Members Email Address*, then click **Next**
3. Select the appropriate *Access Levels*, then click **Next**
4. Select the *Partner Organization(s)* the staff member can interact, then click **Finish**

Setting Up Your Team

Add an Operator

Document who's performing work in your operation

1. Click **Setup > Team > +Add > Operator**
2. Enter *Operator Name*
3. Enter *Operator Certification* (optional)
4. Click **Save**

Add a Partnered Organization

Allow trusted advisors to support your organization more efficiently

1. Click **Setup > Team > +Add > Partner Organization**
2. Select *Grant Access* or *Receive Access*, enter the *Partner Organization's Email Address*, then click **Next**
3. Select the desired *Access Levels*, then click **Next**
4. Click **Done**

Add a Dealer

Enable proactive service, customized support, insights, and training

1. Click **Setup** > **Team** > **+Add** > **Dealer**
2. Click **Select Dealer**, then search for your dealership
3. Find the correct store location, then click **Select Dealer**
4. Select *Yes* or *No* if you'd like to share data with this dealer
5. If you're sharing data, click **Next**, then select the desired *Access Levels*, then click **Next**, then click **Done**
6. If you're not sharing data, click **Done**

Edit Team Access Level

Control who has access and how much access they have to your data

1. Click **Setup > Team**
2. Click on the **Staff**, **Partner**, or **Dealer** you want to change access for
3. Click **Access**, then click **Edit**
4. Modify *Access Levels* as desired
5. Click **Save**

Suggested Access Levels by Role

Role	Equipment	Organization	Location	Work
Farm Manager / Owner / Administrator	Level 3 + RDA + WDT and Setup	Level 2	Level 3	Level 2
Agronomist	Level 1 + RDA (WDT and Setup Optional)	Level 1	Level 3	Level 2
Technician	Level 2 + RDA	Level 1	Level 1	Level 0

Add a Connection

Minimize the need to manually import/export data or use multiple software platforms to manage your operation

1. Click **Setup** > **Connections**
2. Search for the company or software you'd like to connect, then click **Connect**
3. Each connection is different, but you'll have to select connect, then login on the connected software's platform, and agree to connect your accounts

Create a Geofence and Curfew

Notifies you as equipment enters/exits defined area or running outside it's operating window area or is running outside its operating window

1. Click **Setup > Geofences and Curfews**
2. Click the **+** next to create new
3. Enter *Boundary Name*
4. Click the **Pointer** or **Rectangle** button, then draw the shape of the Geofence on the map
5. Check the box(es) next to alerts you want enabled
6. Click on **Add Operating Time Frame**, and enter the *Day* and *Time*
7. Select *Machines* you want the geofence to apply to
8. Click **Save**

02 PLAN

Planning work results in high-quality data collection, saves time, and reduces operator mistakes in the field. Spend more time working—and less time setting up the display to document work.

All task instructions are for use through a web browser unless otherwise marked for mobile.

Create a New Setup File

Define work details for more accurate documentation and less setup time in the field

1. Click **Setup > Setup File Creator**
2. Select *Display Type*, enter a *File Name*, then click **Start**
3. Check the box(es) on land feature you want to put on your display, then click **Next**
4. Check the box(es) for machines and implements that will perform the work, then click **Next**
5. Check the box(es) for products and/or tank mixes you want to put on your display (optional), then click **Next**
6. Check the box(es) for operators to perform the work (optional), then click **Next**
7. Click **Create File**
8. If your machine has Wireless Data Transfer (WDT), click **Create and Send**
9. If you manually transfer files via USB, click **Create Without Sending**

Creating a Setup File

Send Setup Files to Equipment using Wireless Data Transfer

Requirement: JDLink™ connected machine

Send defined work details to machine diplay(s) remotely from your computer to aid in clean data collection

1. Click **...More** > **Files**
2. Check the box(es) for setup files you want to send
3. Click **Transfer to Equipment**
4. Check the box(es) for the machines you want to send files to, then click **Transfer**

Export Setup File to USB

Load defined work details to machine display(s) to aid in clean data collection

1. Click **...More** > **Files**
2. Check the box(es) with setup files, then click **Download**
3. The file will show up in your computer's downloads folder for you to move to a USB drive

Create a Work Plan

Requirement: Gen 4 and newer displays

Define and automatically populated work details for more accurate documentation and less setup time in the field

1. Click **Plan > Work Planner**
2. Select *Year* and *Work Type* you want to plan, then click **+Plan**
3. Check the box(es) of field(s) you want to plan work for, then click **Next**
4. Add all work details possible
5. Click **Save**

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1. Click **Plan**
2. Select *Year* and *Work Type*, then click **"+"**
3. Check the box(es) for the field(s) you want to plan work for, then click **Next**
4. Add all work details possible
5. Click **Save Work**

Using Work Planner

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Send Work Plans to Equipment using Wireless Data Transfer

Requirement: JDLink™ connected machine

Send defined work details to machine display(s) remotely to eliminate the need for thumb drives

1. Click **Plan > Work Planner**
2. Select *Year* and *Work Type*
3. Check the box(es) for the work plan(s) you want to send
4. Click **Send to Equipment**
5. Check the box(es) for the machine(s) you wanto to send work plans to, then click **Create**

* *MOBILE*

1. Click **Plan**
2. Select *Year* and *Work Type*
3. Check the box(es) for the work plan(s) you want to send, then click **Send**
4. Check the box(es) for the machine(s) to send work plans to, then click **Next**
5. Click **Send**

Modify Work Plans

Update work details as plans change to ensure accurate documentation

1. Click **Plan** > **Work Planner**
2. Select the **Work Type**
3. Click on the **Work Plan** you want to edit
4. Modify work details as needed, then click **Save**
5. If the work plan was already pushed to the machine, resend the work plan to the machine

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1. Click **Plan**
2. Select the *Year* and *Work Type*
3. Select the *Work Plan* you want to edit, then click **Edit**
4. Modify work details as needed, then click **Save Work**
5. 5. Check the box(es) of the modified work plan(s), then click **Send to Equipment**

Export Work Plan to USB

Load work plans with work details on machine display(s) to increase documentation accuracy for non-connected equipment

1. Click **Plan** > **Work Planner**
2. Select *Work Type*
3. Check box(es) for work plan(s) you want to export
4. Click **Send to Equipment**
5. Click **Create**, then click **Go to Files**
6. Check the box with work plan .zip files, then click **Download**
7. The file will show up in your computer's downloads folder for you to move to a USB drive

Use Data Sync

Sync work details stored on all displays in your fleet, ensuring that data shows up in Operations Center for easy use

1. Click **Setup > Data Sync**
2. Read the overview to understand how data sync works, then click **Next**
3. Review the organization's setup data, then click **Next**
4. Select the *Import Settings*, then click **Next**
5. Check the box(es) of the displays where you want to enable sync, then click **Enable Displays**

Create an Application or Seeding Prescription

Requirement: variable rate compatible equipment

Optimize the placement of inputs, reducing unnecessary expenses in historically lower-yielding areas of the field while maximizing economic benefit in high-performing areas

1. Click **Plan** > **Agrian Prescription Creator**
2. Select **Prescription Type**
3. Select *Organization*, *Client*, *Farm*, *Field*, and *Field Boundary*
4. Select your *Prescription Source*, then click **Next**
5. Manually edit zones, merge zones, and add chemical, fertilizer, variety, and tank mix
6. Click **Save**, then **Save and Close**

Creating Prescriptions

03 MONITOR

By monitoring equipment and work progress in Operations Center, you can proactively identify issues that could cause downtime, keeping your equipment running more efficiently throughout the season. You stay on top of your details.

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Remote Display Access (RDA) into a Machine

Requirement: JDLink™ connected machine

Be confident in work quality, enable quicker problem resolution, and improve service from support personnel and John Deere dealer with reduced labor and travel costs

1. Click **Map**, then click **Equipment**
2. Click the **Machine** you want to remote into
3. Click **RDA**

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1. Click **Map**, then click **Equipment**
2. Click the **Machine** you want to remote into
3. 3. Click **RDA**

Monitor Your Farm

Create a Machine Report

Stay updated on machine performance, technology utilization, and fuel consumption

1. Click **Analyze** > **Machine Reports** > **+Add Report**
2. Enter *Report Name*, then select *Report Type*, and *Frequency*
3. Select *Make*, *Type*, *Model*, and *Tag* (optional)
4. Click **Save**

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See Work Plan Progress

View work progress and estimated time until completion for fields with work plans

1. Click **Plan** > **Work Planner**
2. Select *Work Type*
3. Progress for each work plan created is shown in the table

Monitor Your Equipment

View machine utilization, performance, diagnostic trouble codes (DTC), and maintenance information

1. Click **Map** > **Equipment**
2. Click the equipment you want to monitor
3. Adjust date filters as desired
4. Click **Summary** tab to view Work and Idle time and performance metrics
5. Click **Alerts** tab to view any machine DTCs
6. Click **Maintenance** tab to view any maintenance plans

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1. Click **Map**, then click the **Equipment** tab
2. Click the machine you want to monitor
3. Click **Right Now** tab to view current vehicle details
4. Click **Today** tab to view utilization and performance details
5. Click **Work** tab to view the machine's work history
6. Click **Alerts** tab to view machine DTCs
7. Click **Setup** tab to view equipment setup information

Monitor Live Field Totals

Ensure equipment is set up properly and work is being done right

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1. Click **Home**, then locate the Active Work section
2. Click the work that you want to review
3. Scroll through work details

View Estimated Time Remaining

Know when a job will finish, so you can plan logistics efficiently

1. Click **Plan** > **Work Planner**
2. Find the work plan you want to monitor
3. Scroll all the way to the right to see the estimated time remaining for that work

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1. Click **Home**, then locate the Active Work section
2. 2. See estimated time remaining, along with a progress bar, for each field where work is in progress

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Monitor fleet details (Performance, utilization, and hours of operation)

Compare machine performance and utilization across the fleet to identify top performers as well as training opportunities

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1. Click **Analyze** > **Machine Analyzer**
2. Select **Performance** from the dropdown, then click on **Organization**
3. Select the date range you want to view
4. Click on the **down arrow next to Equipment** to expand and see all equipment performance data

Using Machine Analyzer

04 ANALYZE

When you **analyze performance** at the end of the season, you'll see how your data-driven decisions influenced your operation's performance. You'll know the productivity of each field and variety, the impact of various inputs on yields, and the utilization of each piece of equipment. Using this year's data, you can plan for even better results next year.

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Analyze Yield by Variety for Entire Operation

Identify your most productive varieties to assist in building your planting plan for next year

1. Click **Analyze** > **Analyze**
2. Click *Select Harvest*, the year you want to analyze, and crop type
3. Click on the **Varieties** tab to view harvest data on all varieties

Analyzing Field Data

Create Work Reports

View field list by variety planted (planting/seeding), view fields where products or mixes were applied (application), identify most successful varieties (harvest), view field preparation activities (tillage)

1. Click **Analyze** > **Analyze**
2. Select **Production Step**, **Year**, and **Crop Type**
3. Select **Work tab**, then add desired **Field**, **Variety**, **Equipment**, or custom filters
4. Click **Share/Export** > **Download Report**
5. Select the report type and format, then click Download **Report**

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1. Click **Analyze**, select *Year* and *Production Step*
2. Click the **Share** button, then select *PDF* or *CSV file*
3. Select *Communication Tool* (email, text, etc.) and send to desired recipient

Create a Field Report

View field-specific work totals, equipment and variety performance, and product information to guide decisions for future passes or next growing season

1. Click **Map**
2. 2. Select the *Field*, then click **Field Analyzer**
3. Select the *Year* and *Layer* you want to analyze
4. Click **Share/Export**, then click **Download Report**, then click **Download Report**

* *MOBILE*

1. Click **Analyze**, then select *Year* and *Production Step*
2. Click on the **Field** you want to analyze
3. Click the **Share** button, then select *PDF* or *CSV* file
4. Select *Communication Tool* (email, text, etc) and send to desired recipient

Analyze Partial Field Performance with Selected Zone Tool

Review less productive areas within your field to help determine root cause

1. Click **Analyze** > **Field Analyzer**
2. Select the *Field* you want to analyze
3. Select the *Operation* (harvest, seeding, application, or tillage) and *Layer* (yield, productivity, etc) to analyze
4. Click the **Selected Zone** tool on the right hand side of the map
5. Use the tools to draw around the desired zone
6. Use **Summary** tab to view differences of the selected area compared to the rest of the field

Compare Field Yield Map to Seeding Rates

Determine optimal seeding rates within each field and identify areas within the field that may support higher or lower seeding rates

1. Click **Analyze** > **Field Analyzer**
2. Click on the field you want to analyze
3. For Layer 1, select *Harvest > Yield*
4. Click the **Compare** button
5. For Layer 2, select **Seeding** > **Variety**, then click on **Data Analysis** to see *Yield by Variety*
6. For Layer 2, change it to *Seeding > Applied Rate*, then click on **Data Analysis** to see *Yield by Applied Seeding Rate*

Share Field Work Data with a Partnered Organization

Wirelessly share work data with partnered trusted advisors to analyze performance and evaluate operational costs

1. Click **Analyze** > **Analyze**
2. Select *Production Step*, *Year*, and *Crop Type*
3. Click **Work** tab, select desired *Filters* (Fields, Work, Varieties, or Custom)
4. Click **Share/Export**, then click **Work Data**
5. Click **Export to Partner's Files**, then select the *Partner* to share with
6. Update file name *(Optional)*
7. Click **Export Work Data**

Export Field Work Data

Create work detail files to share with trusted advisors who are not partnered organizations

1. Click **Analyze** > **Field Analyzer**
2. Select the *Field* you want to export data from
3. Click **Share/Export**, then click **Export Work Data**
4. Select *Export Location* and rename the file if desired
5. Click **Export Work Data**

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Edit Work Data

Modify work details (variety, area, yield, etc) to capture real time data for accurate operational performance analysis

1. Click **Analyze** > **Field Analyzer**
2. Select the *Field* you want to edit
3. Select the *Production Step* data you want to edit
4. Expand the **Summary** tab, click **Edit**, then select the *Work Detail* you want to modify
5. Make necessary edits, then click **Save**
6. Refresh your browser to view your edits

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1. Click **Analyze**, then select the *Field* you want to edit
2. Select the *Work* tab, then select the work you want to edit
3. Click the **pencil button**, then select the work detail you want to edit
4. Make necessary edits, then click **Confirm**
5. Click **Ok**

Revert Manual Work Edits

Revert any changes back to machine documented values

1. Click **Analyze** > **Field Analyzer**
2. Select the *Field* and *Production Step* data you want to revert back to the original data
3. Expand the **Summary** tab, click **Revert**, then click **Revert**
4. Refresh your browser to view your edits

Analyze Equipment at a Season Level

Optimize your equipment based on usage and performance compared to operational needs

1. Click **Analyze** > **Analyze**
2. Select *Production Step*, *Year*, and *Crop Type*
3. Select the **Equipment tab**
4. Use the **Work Totals** and **Performance** toggle to view equipment data
5. Click on the machine to view specific fields where it worked that season

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Manually Upload Documentation Data

Record work that was completed without the ability to record with a display

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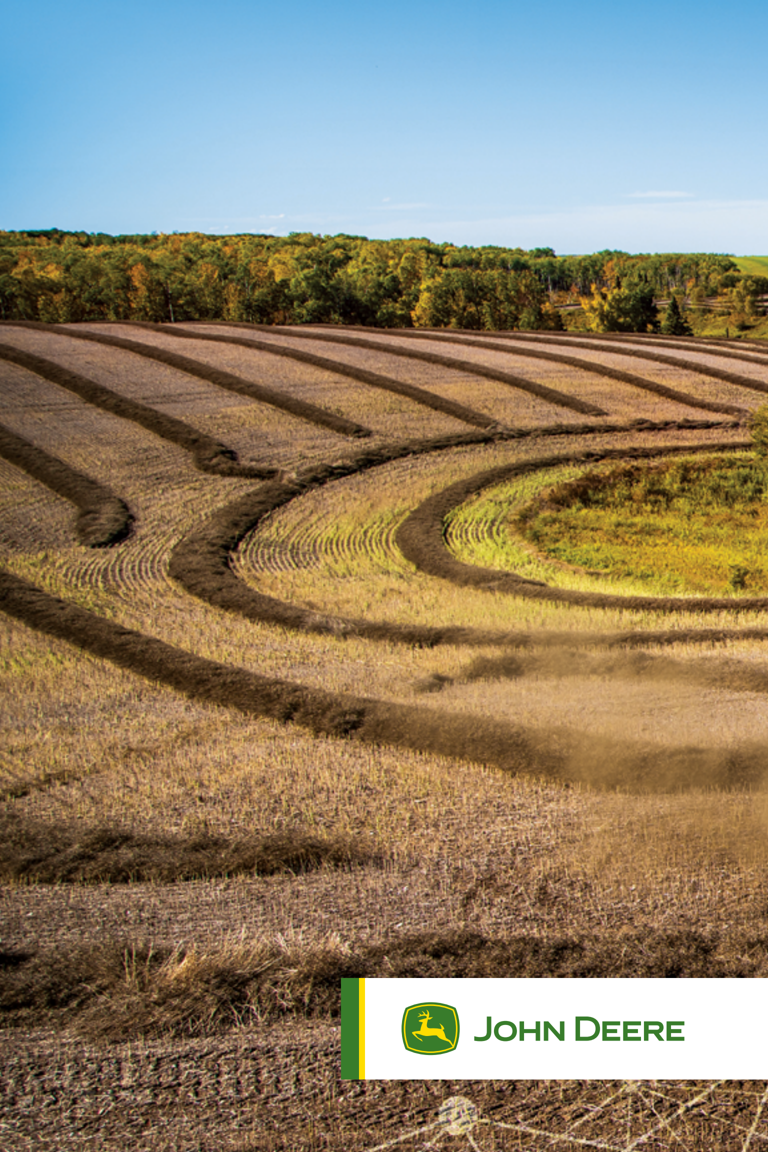
1. Click **Home**, scroll to the bottom and click **View All Work**, then click the **green +**
2. Select the *Field*, *Work Type*, *Production Step* specific work details, and work date
3. Click **Save**

Uploading Historical Data

Congratulations!

You're well on your way to realizing the value of a connected fleet and using data to optimize your operation. If you would like to learn more about specific tools with Operations Center, please visit the John Deere Operations Center YouTube channel or reach out to you trusted John Deere dealer.

If you're experiencing issues with Operations Center, please use the Contact Support button within Operations Center or scan the QR code below to contact the Global Support Center.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