# GUSS™ Connection Guide

## *Quick Reference Guide | Commander Edition*

GUSS™ autonomous spraying systems integrate with John Deere Operations Center™ to automatically sync spray application data from your GUSS™ fleet. This integration enables centralized data management and powerful analysis tools.

## 1 Integration Benefits

Connecting GUSS™ to John Deere Operations Center™ provides several key advantages:

- ➤ Precise spray records automatically synced to John Deere Operations Center™
- ➤ Manage GUSS™ and John Deere equipment together in one platform
- ➤ Access Field Analyzer and Machine Analyzer tools for data-driven insights
- ➤ Hourly data sync keeps your records current

## 2 Establishing the Connection

Before you begin, sign into Commander and have your John Deere account credentials ready. You need permission to grant access to your organization in John Deere Operations Center™. An internet connection is required.

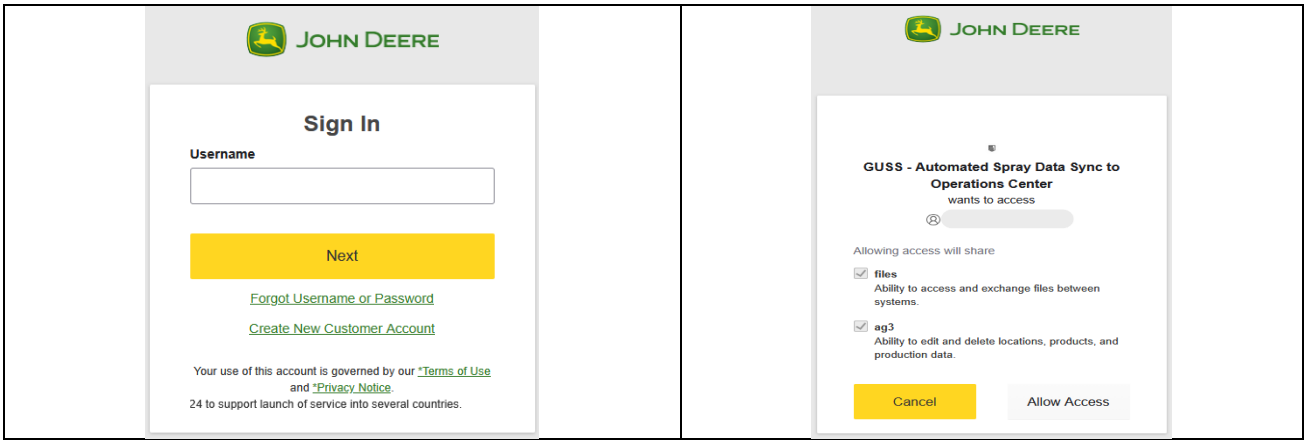
### Step 1: Open Commander Settings

In Commander, open **Settings** and find the **Ops Center** section. Click **Connect To Ops Center**. Your web browser opens to complete the connection.



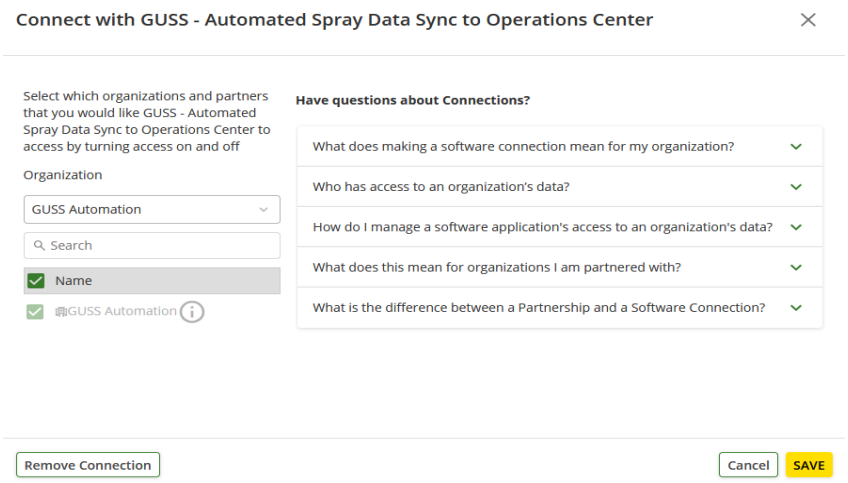

### Step 2: Sign into John Deere

In your browser, sign into John Deere Operations Center™ with your credentials. Review the requested permissions and choose **Allow Access** to grant GUSS™ access.



## Step 3: Select Your Organization

Select the organization you want to connect with GUSS™ from the available list, then click **Save**.




## Step 4: Confirm Connection in Commander

Return to **Settings > Ops Center** in Commander. Look for the green **Connected to Ops Center** text beside the cloud with a checkmark. The connection button is no longer shown once the account is connected.



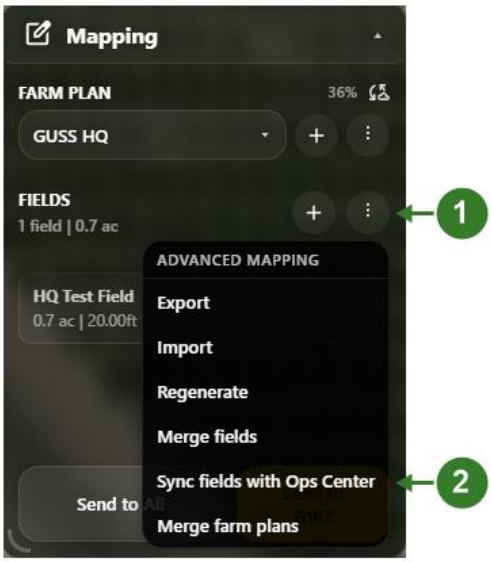

Use the connection status in Commander to confirm success, rather than relying only on the final browser page. If the status still says **Not connected to Ops Center**, check that you completed the browser prompts and saved the intended organization.

# 3 Syncing Farms and Fields

The GUSS™ backend uses field boundaries in John Deere Operations Center™ to match and upload spray logs. If your fields already have the correct boundaries there, you do not need to create them again. Commander lets you add selected boundaries or explicitly replace existing ones.

## Step 5: Open the Field Sync Window

In Commander, open your farm plan on the map. Next to **Fields**, open the **More actions menu** (three vertical dots). Under **Advanced Mapping**, choose **Sync fields with Ops Center**. The account must be connected, and the plan must be saved to your account with at least one field; local-only plans cannot be synced.



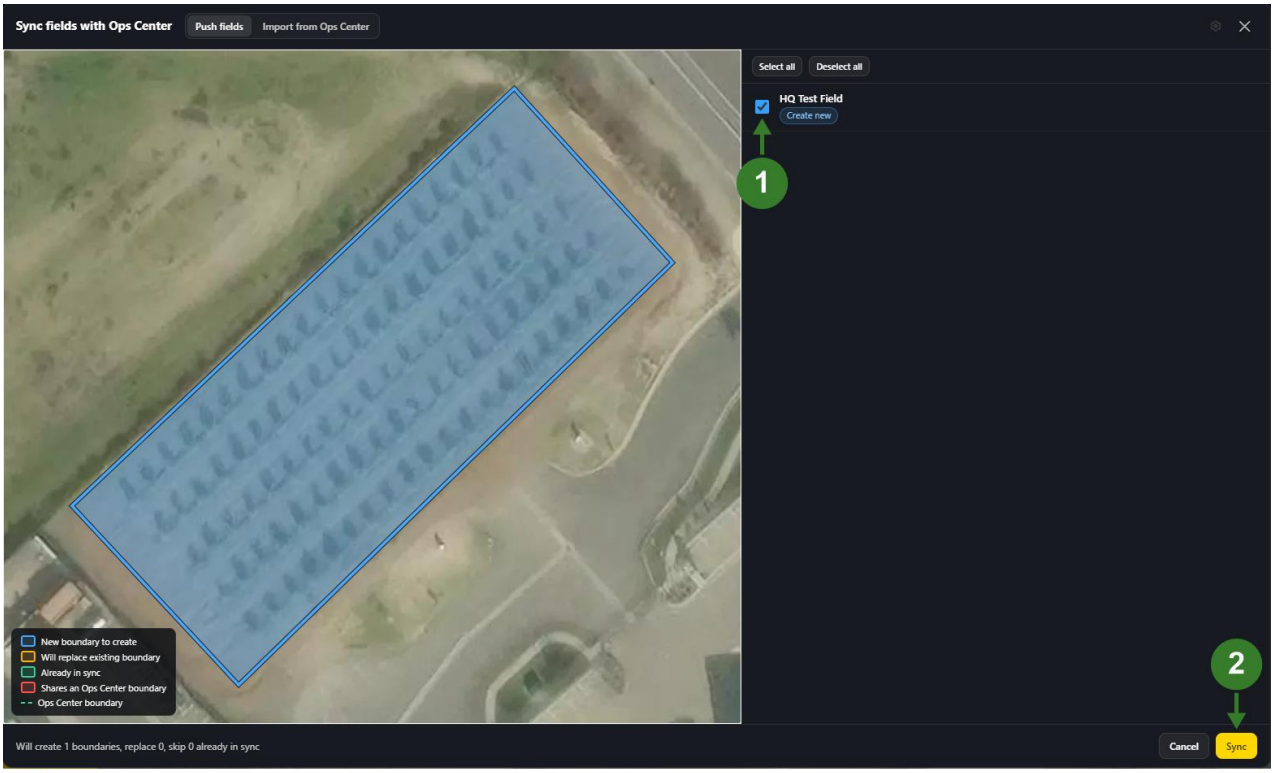

1. Open the More actions menu next to Fields.
2. Choose Sync fields with Ops Center.

**Before You Sync:**

In the sync window, open the gear icon (**Sync preferences**) to review field naming and, when needed, the **Default Ops Center client for new fields** and **Default Ops Center farm for new fields**. These targets apply to new fields, not replacement boundaries.

## Step 6: Review and Select Fields

On **Push fields**, wait for the preview to load. Commander waits for your current field edits to save first. Select or deselect a field using its **checkbox** or by **clicking inside its outline on the map**. Clicking its name in the list only locates it on the map. Fields already in sync remain locked.




1. Select fields using the checkboxes or by clicking a field on the map.
2. Press Sync.

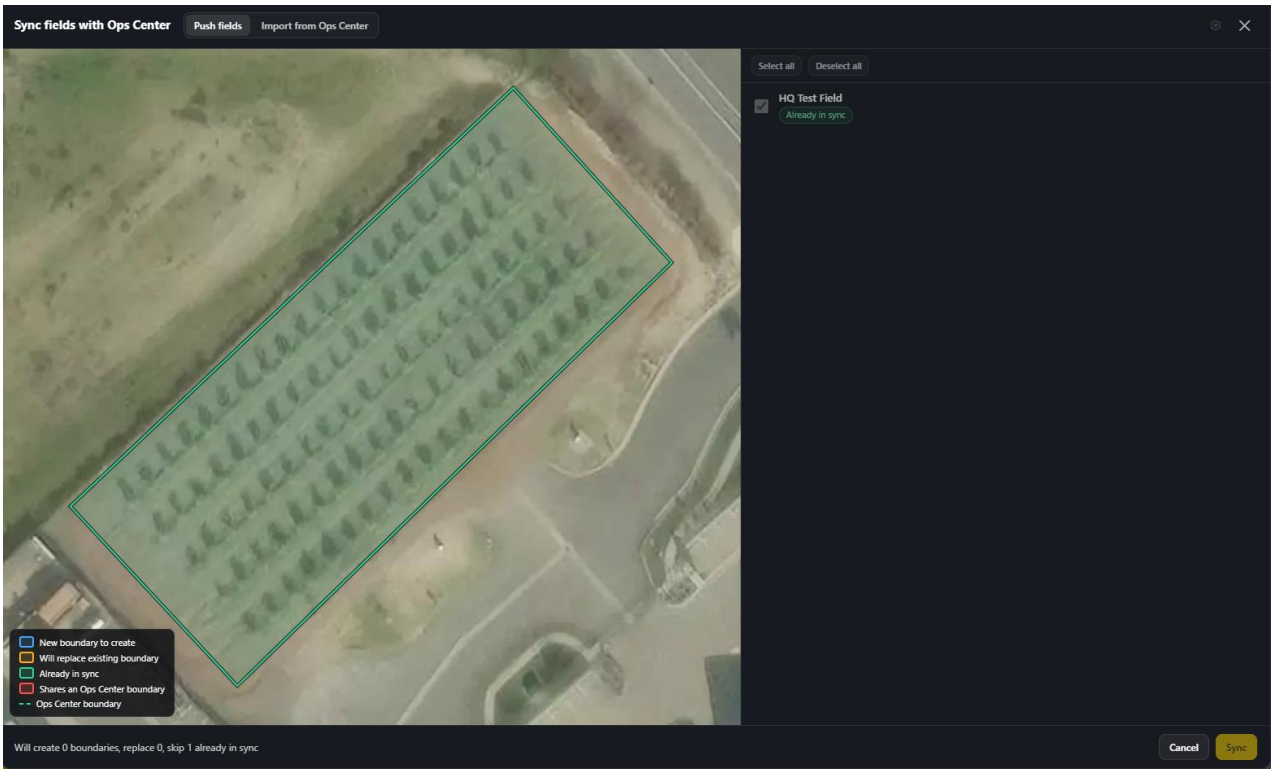
- **Create new:** Creates a boundary for the selected field.
- **Already in sync:** The boundary already matches. This field is not selectable.
- **Will replace:** Archives the matched boundary and creates a replacement from your Commander outline. Review it carefully and explicitly select it for this sync.

**Shared-boundary warning:** One Ops Center boundary overlaps more than one GUSS™ field. Replacing it affects every field it covers. Review the map before proceeding.

## Step 7: Sync and Check the Results

Review the create/replace/skip summary, then click **Sync**. Wait for the results and review each selected field: **Created**, **Replaced**, **Skipped**, or **Failed**. Click **Done** when finished.

Reopen **Sync fields with Ops Center** for a fresh preview. A matching boundary is shown in green as **Already in sync**, as in the example below. This confirms the boundary match, not whether spray logs have uploaded.




**Important Notes:**

- **Changes are selective:** Only the fields you select are submitted. Editing a field later does not automatically push that change to Ops Center; reopen the dialog and review a new preview.
- **After an error:** A request may have partly completed. Check the actual boundaries in Ops Center and reopen the preview before trying again, especially when replacing a boundary.

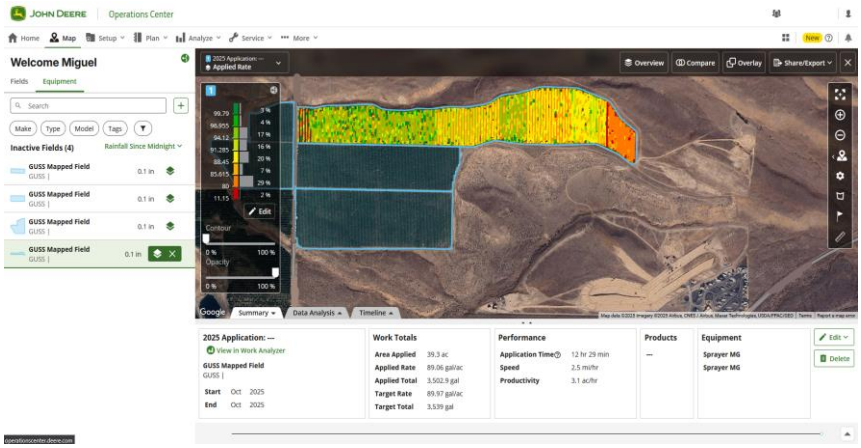
## Step 8: Confirm Boundaries in Ops Center

Open the intended organization in John Deere Operations Center™. Confirm that your selected fields and boundaries appear under the correct client and farm. Check new or replaced outlines on the map.

# 4 Analyzing Spray Data

Your GUSS™ machines upload spray logs to the GUSS™ backend. For a connected account, the backend retrieves the user-defined boundaries from John Deere Operations Center™, checks which spray logs fall within them, and uploads the matching logs automatically.

Once the records are available in John Deere Operations Center™, use its tools to review spray application data.




**Available Analysis Tools:**

- **Field Analyzer:** View and analyze completed work field by field
- **Machine Analyzer:** Track equipment performance metrics
- **Field Overview:** View season and field level trends
- **Work Totals:** Area applied, gallons used, application rates, and more

*For additional support, contact your GUSS™ representative.*