



# Getting Started with Farmer Core

User Guide for Trimble Ag Software | Farmer Core



Edition 2 | July, 2019

In this User Guide you will learn Farmer Core account setup and how to enable Precision-IQ™ (PIQ) displays for the AutoSync™ feature to sync guidance lines, field names, boundaries, landmarks, and operator information across all PIQ displays. You will also learn how to bring other data from an API connection or USB drive into Farmer Core and how to print proof of placement reports.

# Farmer Core User Guide | Index

FARMER CORE ONBOARDING

0.1. Account Setup and User Access	<ul style="list-style-type: none"><li>a. Login for Online and Mobile</li><li>b. <a href="#">Software Settings</a></li><li>c. <a href="#">Support</a> for Online and Mobile</li><li>d. Online Marketplace</li><li>e. Online Widgets</li></ul>	Page 5
0.2. Planning Crop Season	<ul style="list-style-type: none"><li>a. <a href="#">People</a><ul style="list-style-type: none"><li>i. Contacts</li><li>ii. Operators</li></ul></li><li>b. Fleet<ul style="list-style-type: none"><li>i. Fleet Management</li><li>ii. Vehicles and Groups</li><li>iii. Vehicle History and Sensors</li><li>iv. Alerts</li><li>v. Utilization</li></ul></li><li>c. Equipment Data<ul style="list-style-type: none"><li>i. <a href="#">Vehicles</a></li><li>i. Modem and Telematics</li><li>ii. Trimble Display Setup</li><li>iii. <a href="#">Implements</a></li></ul></li><li>d. Materials<ul style="list-style-type: none"><li>i. <a href="#">Adding Chemicals</a></li><li>ii. <a href="#">Adding Fertilizers</a></li><li>iii. Adding Tank Mixes</li><li>iv. <a href="#">Adding Material Purchases</a></li><li>v. Inputs and Materials Summary</li><li>vi. Adding Purchases via Mobile</li></ul></li><li>e. Farm and Fields<ul style="list-style-type: none"><li>i. <a href="#">Adding Crop and Crop Season</a></li><li>ii. <a href="#">Adding Clients / Farm / Field</a></li><li>iii. <a href="#">Adding Fields and Boundaries (Bulk)</a></li><li>iv. <a href="#">Creating Field Boundaries on Mobile</a></li><li>v. Adding New Crop</li><li>vi. <a href="#">Farm Maps</a></li><li>vii. Adding Crop Type and Target Yield</li></ul></li></ul>	Page 13

# Farmer Core User Guide | Index

FARMER CORE ONBOARDING

0.3. Uploading Data	<ul style="list-style-type: none"><li>a. Equipment Data Upload<ul style="list-style-type: none"><li>i. <a href="#">Option 1: API Connection</a></li><li>ii. Option 2: Trimble Display</li><li>iii. Option 3: <a href="#">Manual Import</a></li><li>iv. Additional Data Uploading Tips</li><li>v. <a href="#">Verifying Task</a></li><li>vi. Manage Equipment Activity Online</li><li>vii. <a href="#">Manage Files Online</a></li></ul></li><li>b. AutoSync<ul style="list-style-type: none"><li>i. <a href="#">Feature Summary</a></li><li>ii. Requirements and Setup</li><li>iii. Cleanup, Backup, and Update</li><li>iv. Connect Display to Internet</li><li>v. Enable Trimble Ag Mobile</li><li>vi. Enable AutoSync PIQ</li></ul></li><li>c. Generic Data Upload<ul style="list-style-type: none"><li>i. Import UAV Imagery</li></ul></li><li>d. Yield Data Upload / Cleaning<ul style="list-style-type: none"><li>i. <a href="#">Yield Cleaning Tool</a></li><li>ii. Import Raw Yield Data</li><li>iii. Import Yield from Shapefile</li><li>iv. Yield Cleaning</li></ul></li></ul>	Page 40
0.4. Post-Season Application Data And Reports	<ul style="list-style-type: none"><li>a. <a href="#">Using the new Field Manager</a></li><li>b. View Application data</li><li>c. Edit Application data</li><li>d. Using the Legacy Field Manager</li><li>e. Proof of Placement Reports</li></ul>	Page 64
0.5 Coverage Maps / Guidance Lines	<ul style="list-style-type: none"><li>a. GIS Tools</li><li>b. Map Layers Online</li><li>c. <a href="#">Guidance Lines</a></li><li>d. Map Layers in Mobile</li></ul>	Page 65
0.6 Desktop Sync	<ul style="list-style-type: none"><li>a. Sync Resources from Desktop</li><li>b. Sync Task Data from Desktop</li></ul>	Page 71

# Farmer Core | Full Setup Steps

## FARMER CORE ONBOARDING

Below is an overview of the steps you will take to set up your Farmer Core account.

1. Create and set up a Trimble Ag Software (TAS) Account
2. Create and Edit Client/Farm/Fields
3. Add products, costs, and purchases
4. Display setup and AutoSync feature
5. Read Equipment Data - API or USB
6. Proof of Placement Report





# 0.1

## Account Setup and User Access

# Online | Account Setup

FARMER CORE ONBOARDING

**Objectives - To learn how to start using the software.**

In this session you will learn:

- Login to TAS Online Account
- Farmer Core Navigation
- Configure Your Settings
- Activate Add-ons in MarketPlace
- Add Contacts
  - Manage Access
- Login on TAS Mobile Account

# Online | Login

## FARMER CORE ONBOARDING

The screenshot shows the Trimble Agriculture website. The header includes the Trimble logo, navigation links (About Us, News & Updates, Blog, Trimble.com), and social media icons. The main navigation bar features 'Agriculture', 'Products', 'Solutions', 'Support', 'How to Buy', and 'Login'. A large banner image of a cornfield is displayed. Below the banner, there are two main sections: 'Trimble Reseller Login' and 'Software Customer Login'. The 'Trimble Reseller Login' section includes a description of the Channel Resource Center and a 'Channel Resource Center' button. The 'Software Customer Login' section includes a description of the login process for Trimble Ag Software and a 'Trimble Ag Software Login' button. A central inset shows a login form with fields for 'Email address' and 'Password', a 'Sign in' button, a 'Stay signed in' checkbox, a 'Forgot password?' link, and a 'Create new Trimble ID' link.

**Login**

**Trimble Reseller Login**

Trimble resellers can access sales tools, information, and resources on the Channel Resource Center with their SSO (Ag Partner Site Login Credentials).

[Channel Resource Center](#)

**Software Customer Login**

Software customers can log into Trimble Ag Software by clicking the button below. First time Trimble Ag Software users can follow [these directions](#) for setting up an account.

[Trimble Ag Software Login](#)

**Trimble**

Email address

Password

**Sign in**

☐ Stay signed in [Forgot password?](#)

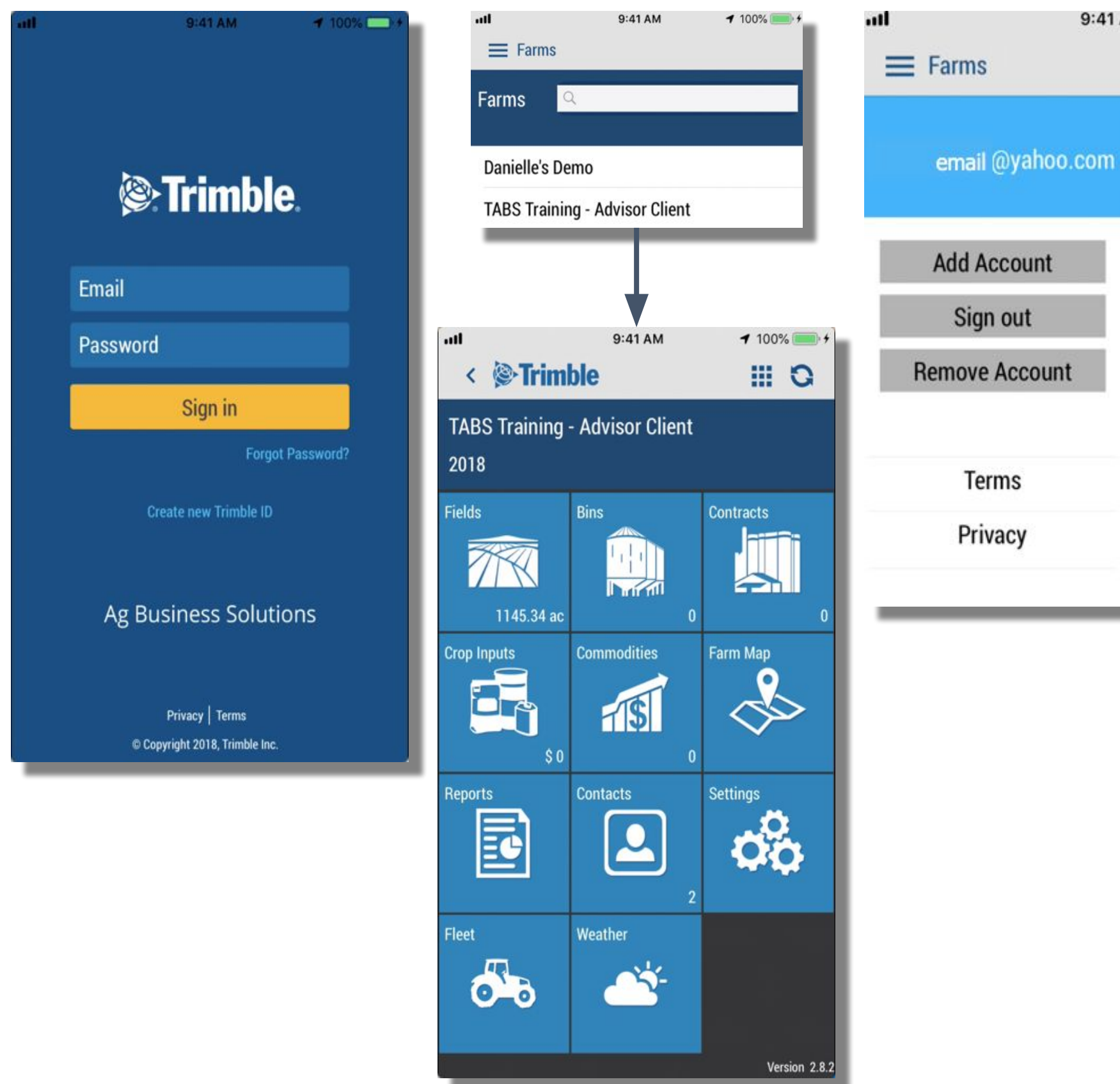
[Create new Trimble ID](#)

1. Go to: [agriculture.trimble.com/software](https://agriculture.trimble.com/software)
2. Click on **Login** button on the top of the page
3. Then click on **Trimble Ag Software login**
4. Enter your Account ID email: insert here
5. Enter your password
6. Click **Sign In**



# Mobile | Login

## FARMER CORE ONBOARDING



1. Download the **Trimble Ag Mobile** app for iOS or Android
2. Enter your **Company** account Trimble ID email and password
3. Tap **Sign in**
4. Accept **Terms & Conditions**
5. Tap to search or select the account name from the list


Already signed in to another account? Tap the **Farms** menu icon to **Add Account** and start from step 1.



# Mobile | Software Settings

## FARMER CORE ONBOARDING

The screenshot displays the Trimble software settings interface. On the left, a user profile sidebar for 'TABS Training - Advisor Client' (Brent\_Chenier@trimble.com) includes links for 'Sign Out', 'My Settings', and 'Change Account'. Below this is a search bar and a list of organizations: 'Advisor Company', 'Advisor Company - Internal (PWB/ACT)', and 'Agri-Trend Agrology'. A 'MANAGE ORGANIZATIONS' button is at the bottom of the sidebar. The main content area on the right shows settings for 'Language' (determined by browser), 'Time Zone' (UTC Coordinated Universal Time), 'Purchaser Org' (Chenier - Advisor), 'Last Location' (Field Name), and 'Unit System' (U.S.). A checkbox for 'Customize Unit System' is checked, leading to a 'Unit Systems' section with dropdowns for Area, Depth, Distance, Speed, and Weight, all set to U.S.

1. Click the **Person** (  ) > click **My Settings**
2. Change applicable settings from Default, if desired
3. Units of Measurements are defined in 1 of 2 ways
  - a. Profile wide **Unit System (required)**: U.S. or **Metric**
  - b. Check **Customized Unit System**: adjust the unit of measurement for each unit system, i.e. **Area, Depth**, etc.
4. Click **Save**.



Watch this [video](#) to learn more.

# Online Support

## FARMER CORE ONBOARDING

The screenshot displays the Trimble Software Support page. The main header includes the Trimble logo, a search bar, and social media links. The navigation bar features 'Ag Business Solutions', 'About Us', 'Solutions', 'News & Updates', 'Blog', and 'Support', along with 'TAKE A TOUR' and 'LOG IN' buttons. The main content area is titled 'Software Support' and includes sections for 'How-To Central', 'Help from Support', 'Onboarding', and 'Regional Support'. A 'Support Request' form is overlaid on the right side of the page.

**How-To Central**  
Find answers now. Search or browse step-by-step guides, watch videos, download desktop software updates and get v Central.

**Help from Support**  
Four ways to receive personal support from Trimble:

1. **Online** – click on the icon in Trimble Ag Software online for email and live chat\*
2. **E-mail** – send an email to [TABS\\_Support@Trimble.com](mailto:TABS_Support@Trimble.com)
3. **Phone** – see phone numbers and business hours below
4. **Mobile App** – tap the Settings tile and swipe up to tap **Email Diagnostic Info**

*\*available during most of North America's business hours*

**Onboarding**

- Receive personal one-on-one onboarding for new purchases of Farmer Pro, Farmer Pro Plus and Advisor Prime guide you through the software. Currently available in North America.
- Find printable Getting Started guides and searchable help topics on [How-To Central](#).

**Regional Support**

Region	Contact Info
America's	Monday - Friday 6AM - 6PM (MT) Saturday 6AM - 10AM (MT) +1-800-282-4103 <i>Prime and Enterprise experts available M-F 8AM-6PM</i>
Europe	Monday - Friday 6AM - 5PM (GMT) 001-800-282-4103
Australia and New Zealand	Monday - Friday 8:30AM - 5:30PM (NZT) +61 (3) 5249-5735

**Support Request**

Please submit your request using the form below and one of our support representatives will follow up with you as soon as possible.

**Submit Request**

Your Name:   
Your Email:   
Phone:   
Subject:   
Product Family:   
Feature:   
Issue Type:   
Priority:   
Description:   
Submit Request

If you are having problems with a particular farm or field, please include farm name, field ID and crop year in your description as well as the page your ran into the problem on.  
Please be as specific as possible when describing your issue.

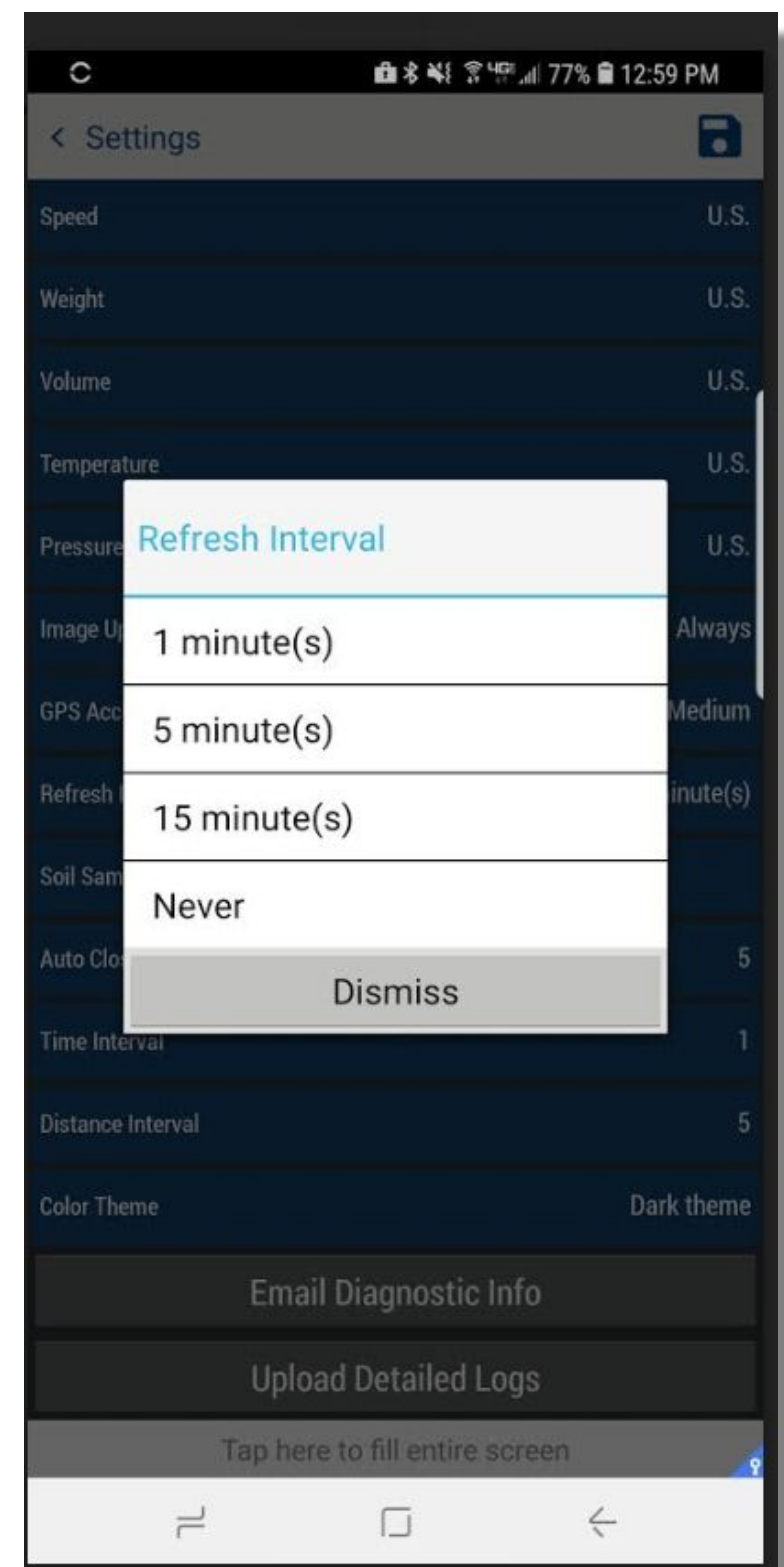
1. The **Software Support** page can be reached by clicking on the Support button () > **Support Website**
2. Choose from 3 support avenues
  - a. **Telephone** (available through support website)
  - b. **Chat** (available through support button)
  - c. **Email** (available through support button)



Watch this [video](#) to learn more.

# Mobile | Support/Settings

FARMER CORE ONBOARDING



## Support:

1. Log into **Mobile App** with Farmer Fit/Pro credentials
2. Tap on your **Farm**
3. Tap on **Settings** tile
  - a. Tap **Email Diagnostic Info** > you will be prompted to open an email app on your mobile device > add any necessary details to the body of the email.
    - i. **Send email.** A diagnostic log will get sent from your smartphone email for the Mobile development team to investigate
  - b. Tap **Upload Detailed Logs** if requested by Mobile development team or Support agent.

## Settings:

1. Tap the desired setting to make the appropriate adjustment. Note that **Unit of Measurement** changes will be reflected in the **Online** software after **syncing** your **Mobile App**.
2. (**Android ONLY**) You can adjust **Syncing interval** for android devices so that your app will **auto-sync** when open every **1, 5 or 15 minutes**, avoiding the need to manually sync your device



Watch this [video](#) to learn more.



# Online | Marketplace

## FARMER CORE ONBOARDING

The screenshots illustrate the Farmer Core Onboarding process. The top screenshot shows the 'Marketplace' page with various subscription options like 'Farmer Pro Plus', 'Additional Vehicle Connection', and 'Crop Health Imagery'. The middle screenshot shows the 'Shopping Cart' with items like 'Vehicle Connection (Office Sync + Fleet)' and 'Ag Time Tracker'. The bottom screenshot shows the 'My Dashboard' with account information, contact details, and a table of current licenses.

Name	Is Demo?	Effective Date	Expiration Date	Vehicle
Ag Premium Weather	No	02/13/2018	02/13/2019 7:52 PM	
PurePixel Crop Imagery	No	02/13/2018	02/13/2019 7:51 PM	
Farmer Pro	No	02/13/2018	02/13/2019 7:51 PM	
Additional Vehicle Connection (Office Sync + Fleet)	No	02/13/2018	02/13/2019 7:51 PM	
Additional Vehicle Connection (Office Sync + Fleet)	No	02/13/2018	02/13/2019 7:51 PM	
Farmer Pro - User	No	02/13/2018	02/13/2019 7:51 PM	
Farmer Pro - User	No	02/13/2018	02/13/2019 7:51 PM	
Farmer Pro - User	No	02/13/2018	02/13/2019 7:51 PM	
Farmer Pro - User	No	02/13/2018	02/13/2019 7:51 PM	
Farmer Pro - User	No	02/13/2018	02/13/2019 7:51 PM	

1. From the **Farm** Menu, click **Marketplace**
2. click **Add (no price)** to turn on Free add-ons
3. click **Add (price)** to add an item to your Shopping Cart
  - a. click Shopping Cart tab to review and change the items in your Shopping Cart
    - i. click **Proceed to Checkout** > follow checkout instructions
    - ii. The credit card enter will now be saved to the system for future purchases/renewals
4. **Billing** tab lets you reviewing your existing payment information in the system
5. **Current Licenses** tab lets you review your existing licenses with Trimble and when they are set to expire.
6. To **Download** the most recent version of the **desktop software** for your license, click **Current Licenses** > expand **Desktop Software** > expand **Installations & Activation Codes** > click the blue **Desktop Software** button



0.2

# Planning Crop Season

# Online| Planning Season

FARMER CORE ONBOARDING

**Objective: How to prepare your Farm Core account for the upcoming season.**

In this session you will learn:

- How to manage People and Operators
- How to manage Equipment
- How to manage Materials
- How to set up Farms and Fields

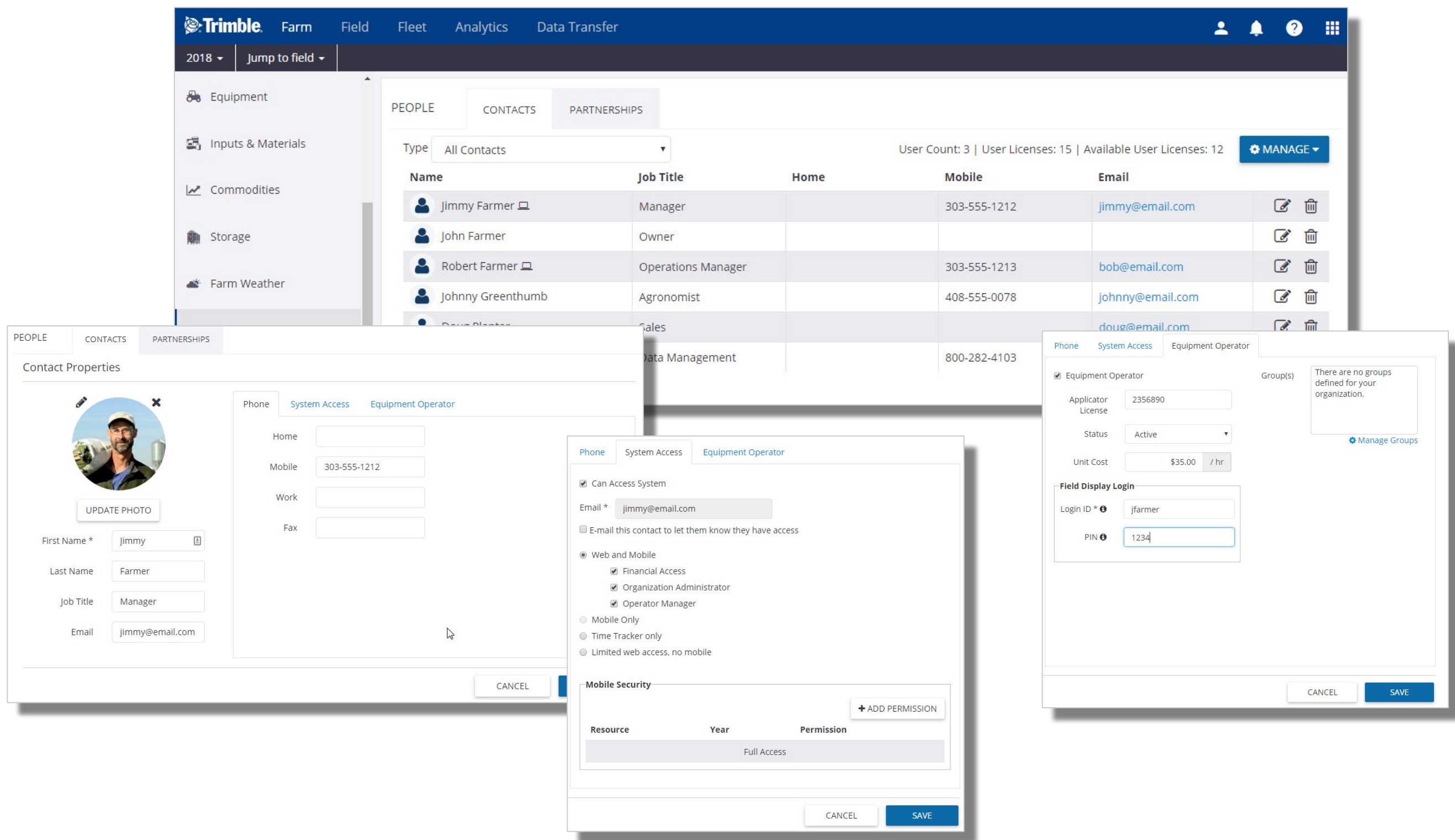


# 0.2.a

# People

# Online | Contacts

## FARMER CORE ONBOARDING



1. Click **Farm** tab > **People**
2. View the list of all contacts on the Contacts tab, or click the Edit button to edit
3. Click **Manage** > **+ Add Contact** to add a new contact.
4. Add the contact properties
5. Click **Save** to save basic contact information
6. Add **System Access**
  - Click the System Access tab to configure this contact as one of your login users
    - E-mail this contact to let them know they have access
    - the e-mail address in their Trimble Ag Software account must match the email used to invite them as a login user
  - Configure the level of access for **Web and Mobile** (with options for Financial Information, Organization Administrator, and Operator Manager), **Time Tracker only** (if using Time Tracker), or **Limited web access, no mobile**
7. Add **Equipment Operator** information
  - **Applicator License** number can be added, **Status** controlled (active/inactive), and **Unit Cost** can be assigned to this contact
  - Field Display **Login ID\*** and **PIN** can also be configured for Trimble Displays utilizing operator logins



Watch this [video](#) to learn more.



# Online | Operators

## FARMER CORE ONBOARDING

The screenshot shows the Trimble Farmers Core Onboarding interface. The top navigation bar includes tabs for Farm, Field, Fleet, Analytics, and Data Transfer. The left sidebar contains a menu with options: Vehicles, Alerts, Operators (selected), and Utilization. The main content area displays a table of operators with columns: Operator Name, Login, Job Title, Groups, and Availability. A modal window is open for editing an operator, showing tabs for Phone, System Access, and Equipment Operator. The Equipment Operator tab is active, showing checkboxes for 'Equipment Operator' and 'Trimble Display Access', along with input fields for 'Applicator License', 'Unit Cost', 'Sign In ID', '4 Digit PIN', and a 'Precision-IQ Access' dropdown. A message box indicates 'There are no groups defined for your organization.' with a 'Manage Groups' link.

Operator Name	Login	Job Title	Groups	Availability
Byard, Gwen	GByard5054			Active
Collins, Mark	mcollins		CSU Staff	Active
Demo for FWIM, CF	CDemo for FWIM5566			Active
Demydenko, Sergii	Demydenko		Trainee	Active
Hodson, Kevin	124		CSU Staff new operator Test Trainee	Active

1. Operators are set up under Contact Properties
  - a. Click **Farm** tab > **People** > **Contacts**
  - b. Add or Edit a Contact
  - c. Select the **Equipment Operator** tab, activate the Equipment Operator check box, and enter the Login ID
  - d. Click **Save**
2. To review and manage your Operators, click **Fleet** tab > **Operators**

**0.2.b**

# **Equipment Data**

# Online| Planning Season: Equipment

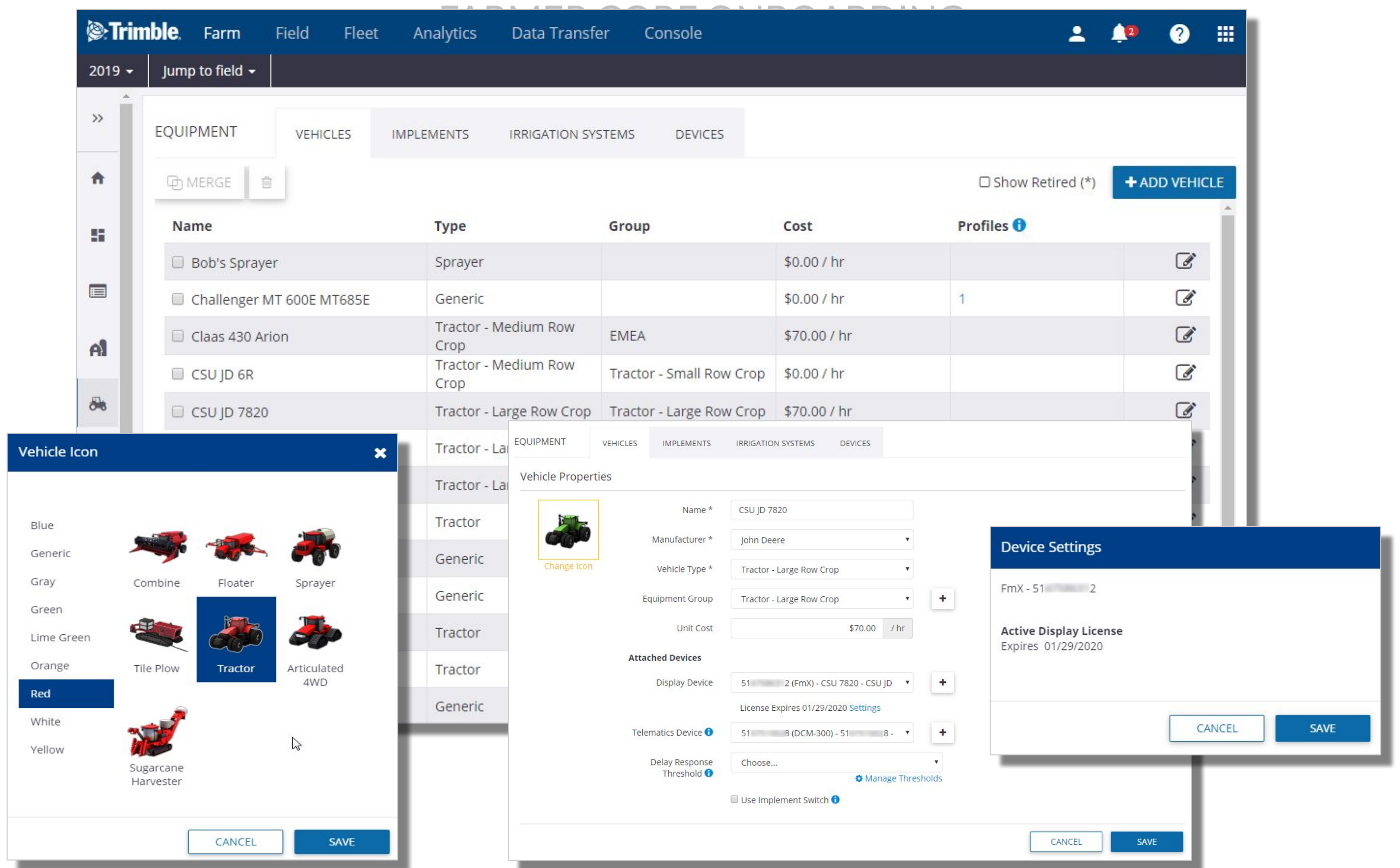
FARMER CORE ONBOARDING

**Objective:** To understand the various ways you can bring data from your equipment to Trimble Ag Software.

In this session you will learn:

- What type of data flows into and out of TAS online
  - API Connection
  - Trimble Display
  - Manual Import
- How to managing as-applied data through Equipment Activity
- How to use Manage Files to review data flowing in and out of Trimble Ag software

# Online | Vehicles



1. From the **Farm** Menu, click **Equipment**
2. view existing vehicles on the **Vehicles** tab
3. click **Add Vehicle** to add a new vehicle
  - a. For Vehicle Properties enter Name, Manufacturer, Vehicle Type (required properties)
    - i. If using Groups, assign the Vehicle Group
    - ii. enter the Unit Cost to track cost of use
4. Select the Display Device from the drop down menu if using Office Sync or Fleet
5. Select the Telematics Device from the drop down menu if using a DCM-300 modem for Traditional Fleet setup. (For more information on setting up Fleet Manager see the [User Guide](#) or [FarmStream setup guide](#))
6. **Assign Vehicle License** to activate a wireless vehicle connection with a Trimble Display.
  - a. Note: do not use Assign Vehicle License if setting up an API Connection - it is not needed for API Connections.
7. Optionally, click **Change Icon** to select a visual icon that correlates the the specific vehicle.
8. Click **Save** to save this vehicle
  - a. Use the Edit button to edit the properties of any existing vehicles



Watch this [video](#) to learn more.



# Online | Modem Information

FARMER CORE ONBOARDING

Attached Devices

Display Device

533 932 (TMX) - Kubota 1140 - Kubota RTV1140

+

License Expires 01/29/2020 - Autosync Off. [Settings](#)

Telematics Device

Unassigned

+

When setting up a vehicle, the Attached Devices settings can vary depending on the modem that is being used with the vehicle display, and the features that are being utilized. For Farmer Core, select the Display Device serial number to activate a Display License to begin utilizing AutoSync or Office Sync features. The modem serial number should not be entered in the Telematics Device dropdown for this feature.

The table below is designed to help understand the supported displays and supported features for each modem type.

Modem	Supported Trimble Displays	Supported Features
Sierra Wireless GX450	GFX-750™ Display FmX® Integrated Display TMX-2050™ Display CFX-750™ Display	AutoSync™ (PIQ only) Office Sync
SNM941 Connected Site Gateway	FmX Integrated Display TMX-2050	AutoSync (PIQ only) Office Sync Vehicle Sync (FmX or FmX+ only)
DCM-300	FmX Integrated Display TMX-2050 CFX-750	AutoSync (PIQ only) Office Sync Vehicle Sync (FmX or FmX+ only)

# Online | Implements

## FARMER CORE ONBOARDING

The screenshot shows the Trimble Farmer Core Onboarding interface. The top navigation bar includes 'Farm', 'Field', 'Fleet', 'Analytics', 'Data Transfer', and 'Console'. The left sidebar menu has 'Equipment' selected. The main content area displays a table of implements with columns for 'Implement', 'Group', 'Cost', and 'Profiles'. A '+ ADD IMPLEMENT' button is visible. An 'Implement Properties' modal is open, showing fields for Name, Operation Type, Equipment Group, and Unit Cost. A 'Profiles' modal is also open, explaining that profiles are created on the display and listing supported displays: GFX-750, TMX-2050, XCN-1050, and XCN-2050.

Implement	Group	Cost	Profiles
Air Seeder		\$0.00 / ac	1
Arnie		\$0.00 / ac	1
Disk		\$0.00 / ac	1
feb2019		\$0.00 / ac	1
Generic PWM Std ISOBUS VR		\$0.00 / ac	1
Gleaner		\$0.00 / ac	

**Implement Properties**

Name \*: Air Seeder

Operation Type: Unassigned

Equipment Group: Unassigned

Unit Cost: / ac

**Profiles**

Profiles are created on your display and use additional details to complete tasks on your display. Multiple profiles can be added if your equipment has more than 1 setup.

**Supported Displays**

- GFX-750
- TMX-2050
- XCN-1050
- XCN-2050

CLOSE

1. From the **Farm** Menu, click **Equipment**
2. Select the **Implements** tab to view implements
3. Click **Add Implement** to add a new implement
  - a. For Implement Properties enter Name (required properties)
    - i. Enter the Unit Cost to track cost of use
  - b. Profiles are created on your Trimble display and use additional details to complete tasks on your display. Multiple profiles can be added if your equipment has more than 1 setup.
4. Click **Save** to save this vehicle
  - a. Use the Edit button to edit the properties of any existing vehicles on the list.



Watch this [video](#) to learn more.



0.2.c

Fleet

# Online| Fleet

FARMER PRO ONBOARDING

**Objective:** Learn the fleet monitoring features if you have purchased the add-on in the virtual market.

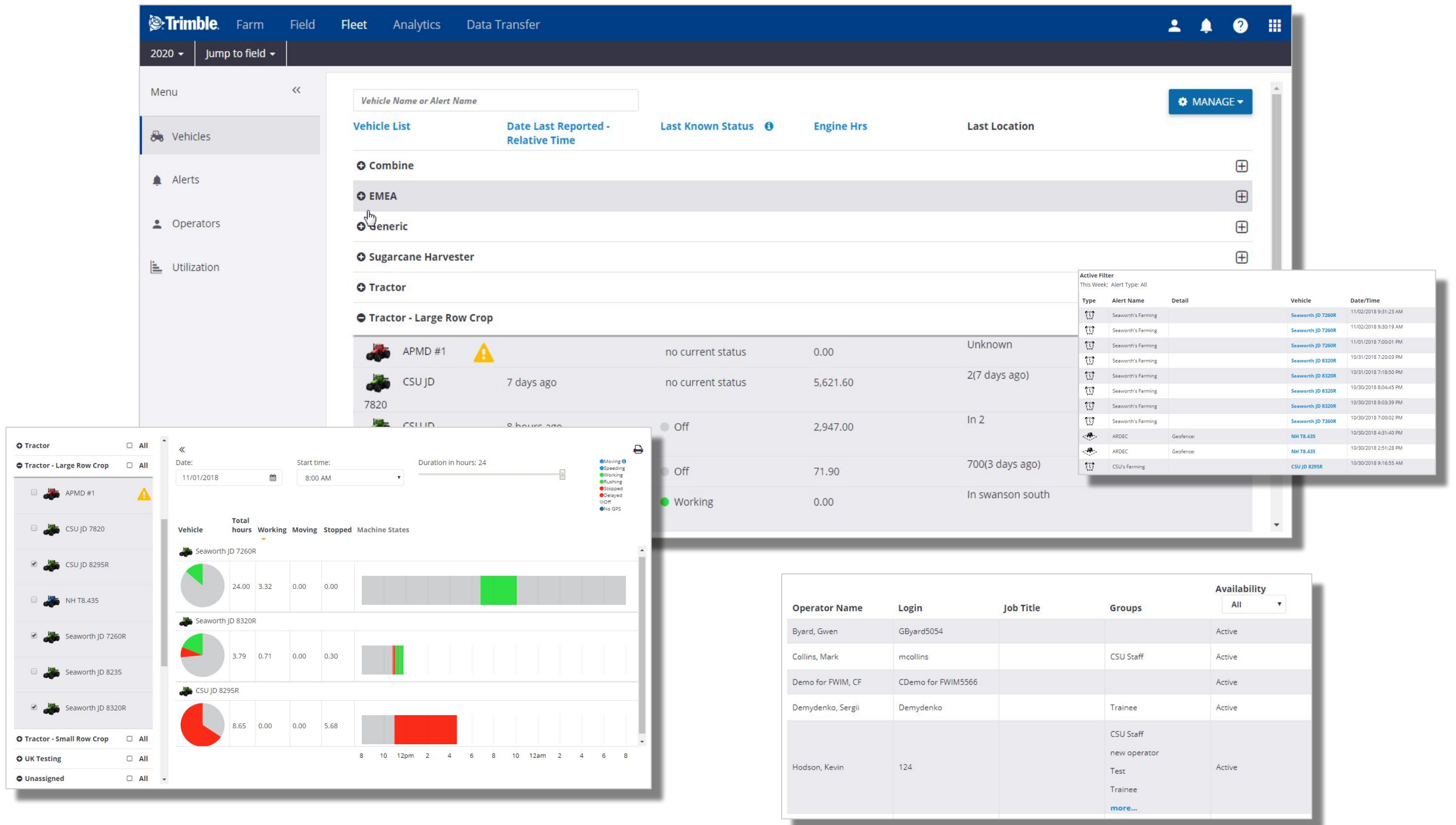
In this Session you will learn:

- How to monitor the fleet
  - Manage vehicles and groups
  - Configure alerts for machines
- How to use Data Management to review the flow of data in and out of Trimble Ag software
- Fleet add-on is under additional costs
- It's one add-on per machine



# Online | Fleet Management

## FARMER PRO ONBOARDING



1. Click **Fleet** tab
  - a. View and Manage the vehicles in your fleet
  - b. Configure Alerts and Geofences
  - c. View the list of Operators (active and inactive)
  - d. View the Utilization data for all or a subset of your vehicles over a selected 24 hour period

The Fleet website is used to manage farm operation data received from a range of vehicles and implements.

Use the Fleet website to manage your vehicles. Do this for your entire fleet. Online receives information from your vehicles. The back-end system processes the vehicle data into secure databases where you can access the data on demand.

Fleet has been enhanced to better integrate with other powerful Trimble Ag software services. You can now switch easily between Fleet pages and other Trimble Ag Software to access information including vehicle tracking, alerts, reporting, and productivity.

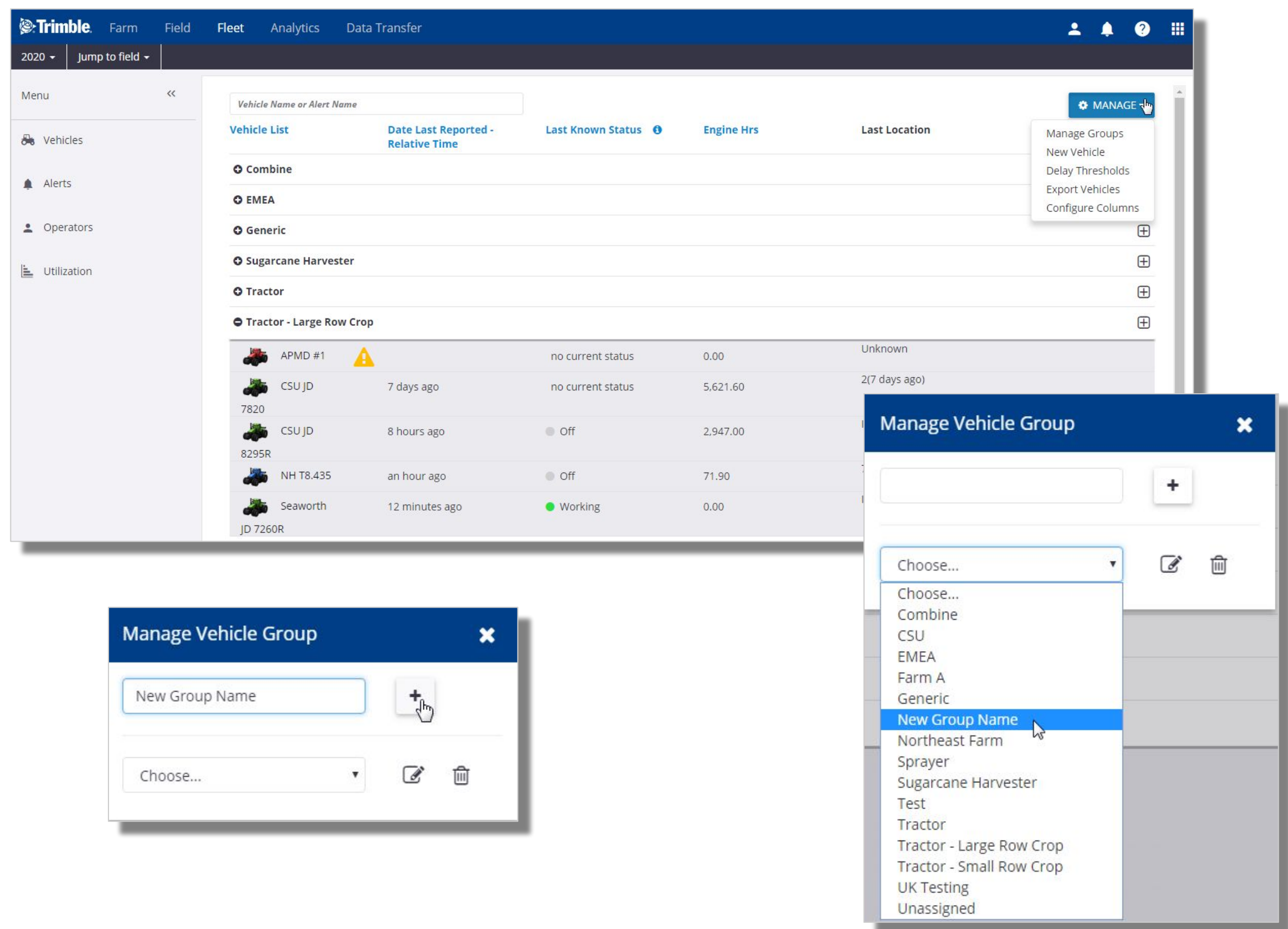



Watch this [video](#) to learn more.



# Online | Vehicles and Groups

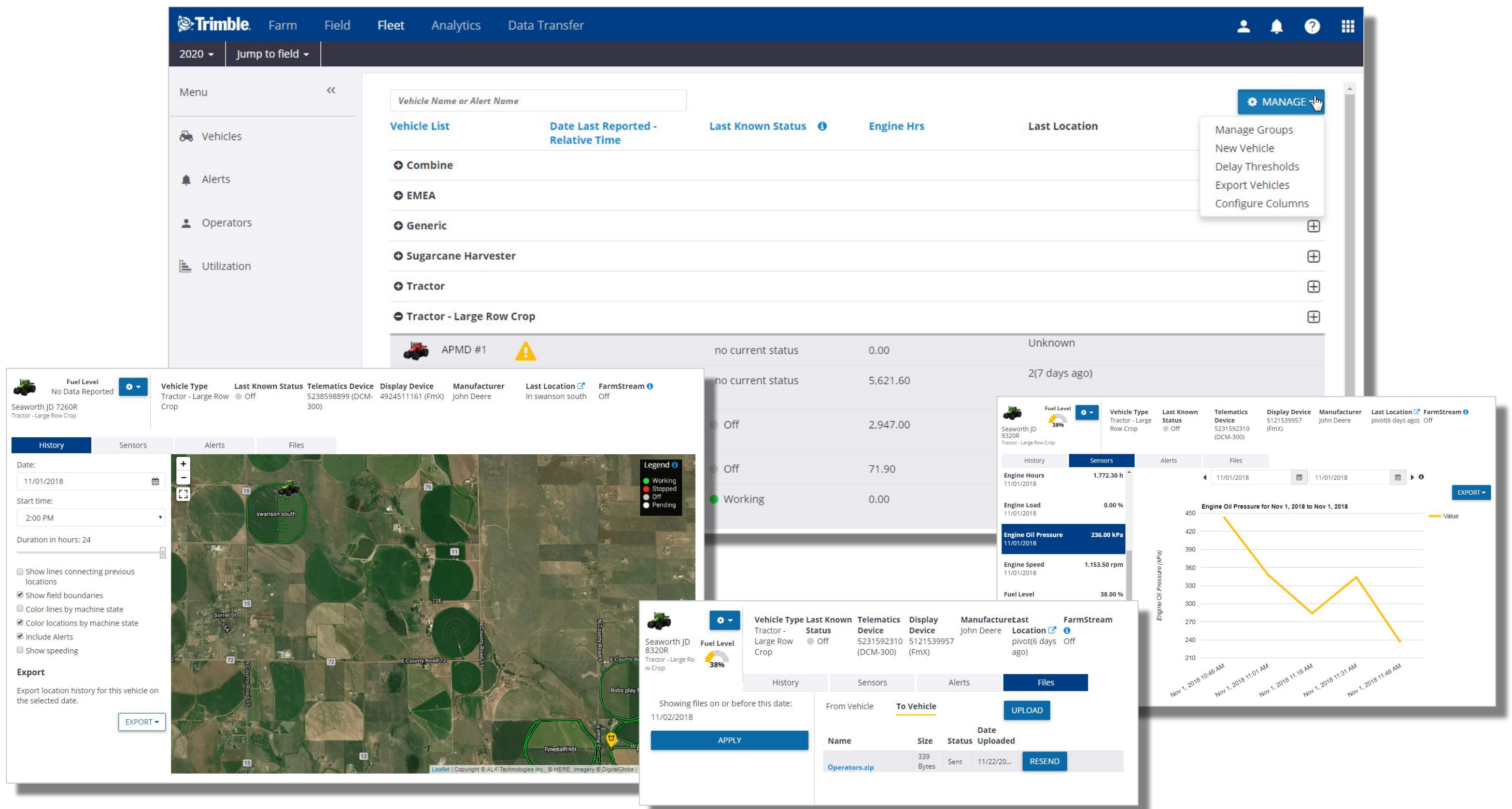
## FARMER PRO ONBOARDING



1. Click **Fleet** tab > **Vehicles**
  - View a list of Vehicles that have been added in your organization
2. Manage Vehicles by clicking  **MANAGE ▼**
  - **Manage Groups**
  - **Add New Vehicle**
  - View and Create New **Delay Thresholds**
  - **Export Vehicles** to a .csv file
  - **Configure Columns** that are displayed on the vehicle list
3. Manage vehicle groups by selecting **Manage > Manage Groups**
  - Type the desired **name** of the group in the entry window and click the **+ button**
  - The new group name will then become available in the drop-down menu
  - Groups can be **edited** or **deleted** from **Manage Vehicle Group**
  - Edit vehicle properties to assign a vehicle to the desired Vehicle Group

# Online | Vehicle History and Sensors

## FARMER PRO ONBOARDING

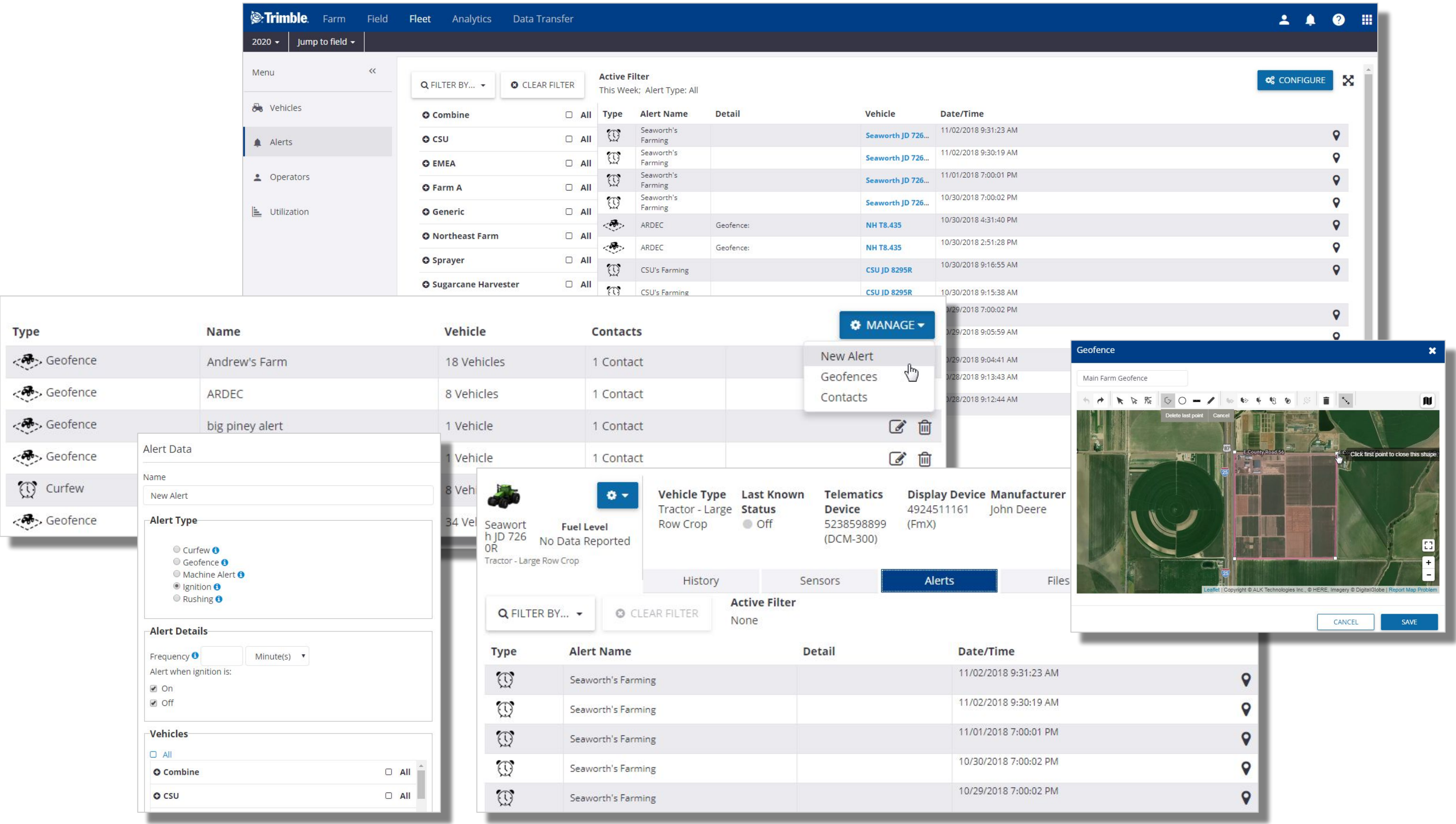


1. Select a specific vehicle on the list
  - View current status or Edit the vehicle from the top row of information
  - View **History** for a selected 24 hour period, select date and number of hours or options for the map view, or export the mapped location
  - Click **Sensors** tab to view sensor information that has been collected
    - Click the Sensor name to display the information in the graph
    - Select up to an 8 day time period
    - Export to .csv
    - The type of sensor data collected is controlled by the CAN information available and the Fleet method that is utilized
      - see the [Fleet Feature Comparison chart](#) to compare FarmStream Fleet to Traditional Fleet capabilities



# Online | Alerts

FARMER PRO ONBOARDING



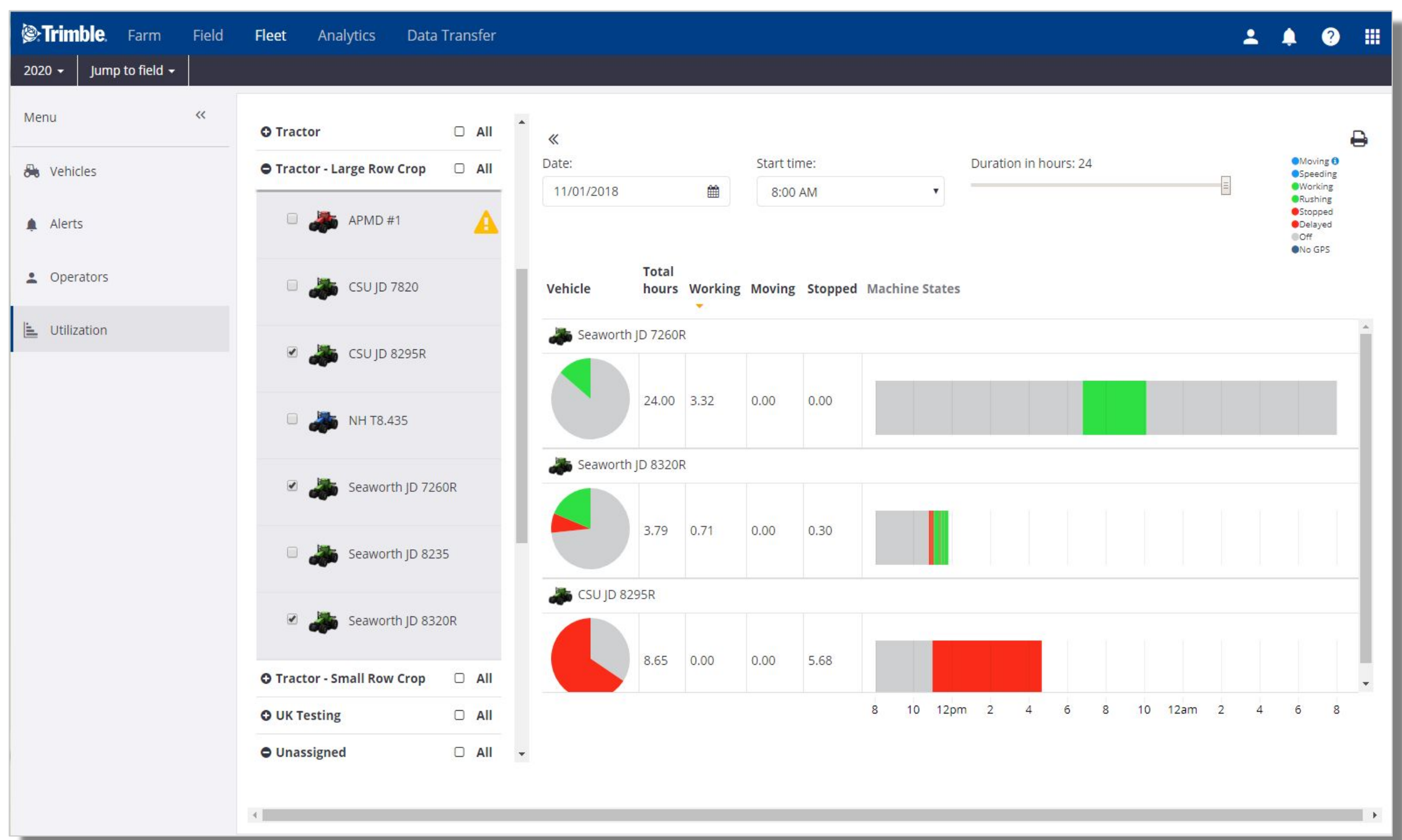
1. Click **Fleet** tab > **Alerts**
  - This page provides a list of all alerts or alerts for selected vehicles
2. Add or Edit Alerts, Geofences, and Contacts
  - Click **CONFIGURE** button
  - Click the Edit button to edit an existing alert
  - Click **MANAGE** > **New Alert** to add a new alert
    - Enter name, select Alert Type, configure Alert Details, assign to Vehicles, and assign Contacts to receive via email
  - Click **MANAGE** > **Geofences** to edit or create a geofence
    - used in Traditional Fleet setups only
  - Click **MANAGE** > **Contacts** to edit or create new contacts in the Contacts list for your organization
3. Click **Files** tab to view Files from Vehicle or To Vehicle
  - Click the file name to **download** a copy of the file
  - Click the **Upload** button under To Vehicle to directly upload a file to this vehicle
4. Available alert types vary based on the Fleet method that is utilized

Farmstream Fleet	Traditional Fleet
<ul style="list-style-type: none"><li>○ Machine Alerts</li><li>○ Rushing Alerts</li></ul>	<ul style="list-style-type: none"><li>○ Curfew Alerts</li><li>○ Geofence Alerts</li><li>○ Create Geofence</li><li>○ Ignition Alerts</li></ul>



# Online | Utilization

## FARMER PRO ONBOARDING



The Fleet Utilization reporting feature allows users to evaluate the performance of their machines over a chosen day. Vehicle status is displayed, showing states such as moving, speeding, working, rushing, stopped, delayed, off, and no GPS. The time in each state is calculated and displayed graphically.

### 1. Click **Fleet** tab > **Utilization**

- Select the vehicles to include in the summary
- Filter by Date, Start time, and the Duration in hours that you would like to view
- hover your mouse pointer over an item in the graph for specific details
- Click the Print icon to send the visible utilization data to the printer

### 2. Reported machine states are determined by the Fleet method that is utilized

- FarmStream Fleet
  - Working, Moving, Stopped, Off, Speeding, Rushing, No GPS, Delayed, Pending
- Traditional Fleet
  - Working, Moving, Stopped, Off, Speeding



# 0.2.d

## Materials

# Online | Planning Season Materials

FARMER CORE ONBOARDING

**Objective: How to add and manage your inputs and materials during the season**

In this session you will learn how to:

- Add chemicals
- Add fertilizer
- Add purchases
- Add tank mix
- View materials report by:
  - Brand
  - Vendor
  - Material type
- Adding Materials in the Mobile App

# Online | Adding Chemicals

## FARMER CORE ONBOARDING

The screenshot displays the Trimble Farm software interface. The top navigation bar includes 'Farm', 'Field', 'Fleet', 'Analytics', and 'Data Transfer'. The left sidebar shows a menu with options like 'Home', 'Profile', 'Farms', 'Equipment', 'Inputs & Materials', 'Commodities', and 'Storage'. The main content area is titled 'INPUTS & MATERIALS' and has tabs for 'CHEMICALS', 'FERTILIZERS', 'LIME', 'SEEDS', 'WATER', 'TANK MIXES', and 'SUMMARY'. The 'CHEMICALS' tab is active, showing a table with columns: Material, Qty. Purchased, Avg. Cost, Total Cost, Applied Area, Avg. Rate, Qty. Used, and Balance. The table lists several chemicals, including '2,4-D LV 4 Ester', 'Aframe', 'JUWEL TOP', 'Omni Brand Propiconazole 41.8% EC', 'ROUNDUP ORIGINAL MAX', and 'Roundup Weathermax'. A '+ ADD CHEMICAL' button is in the top right. A 'Chemical Search' modal is open, showing a search for 'MOC' by Bayer Cropscience. The search results list 'MOCAP 10% GRANULAR', 'MOCAP 15% GRANULAR (R)', 'MOCAP 15G LOCK N LOAD', and 'MOCAP EC (R)'. A 'Chemical Properties' modal is also open, showing details for 'MOCAP 10% GRANULAR', including its category (Insecticide), form (Granular/Dry), active ingredient, and unit cost (\$125.0 / kg).

1. Click **Farm** tab > **Inputs & Materials** > **Chemicals** tab
2. Select **+ Add Chemical**
3. Click **Chemical Search**:
  - Leave Name and Manufacturer blank to search the entire database - click **More** button to see more
  - Type Name to find by name - type a minimum of 3 letters to search for matching names
  - Select Manufacturer to filter the list by manufacturer
  - Select the Chemical Name from the list
  - Supplement the details by listing the Active Ingredient
  - Indicate Purchased Units and Applied Units, along with Unit Cost and Default Target Rate
    - the gray boxes are populated by the system and cannot be manually entered or edited
    - you can add custom chemical names for use in your organization, or use the link to **Request a new chemical to be added to the list**
  - Add Purchase details with the **...** button to track cost and inventory levels
4. Click **Save**

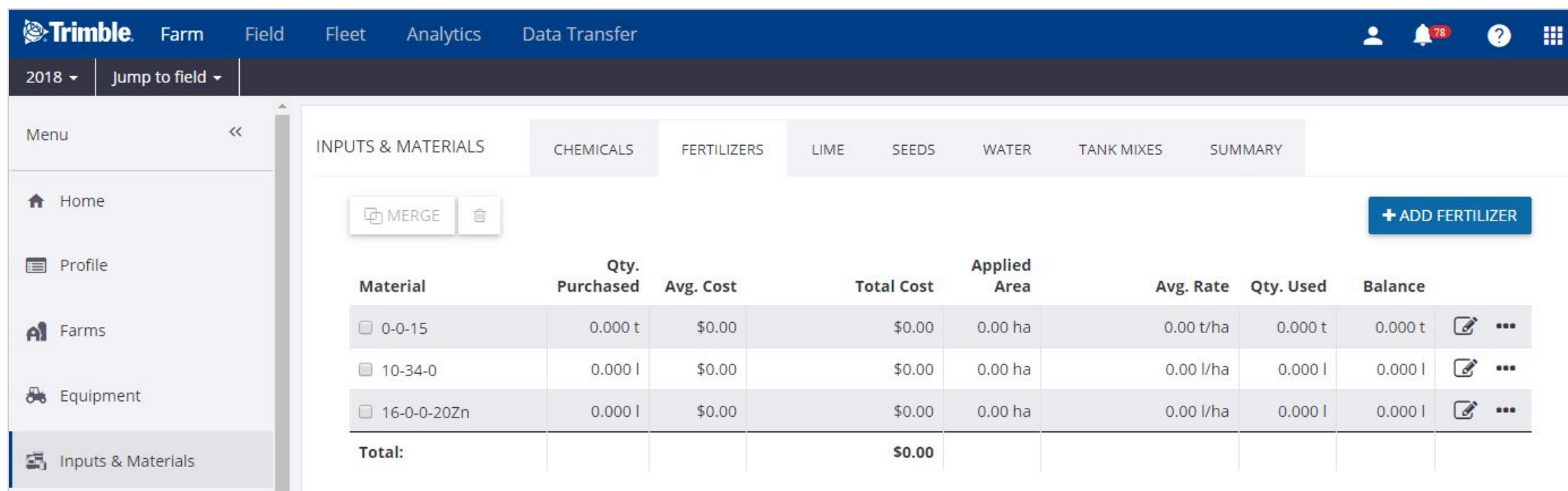


Watch this [video](#) to learn more.



# Online | Adding Fertilizers

## FARMER CORE ONBOARDING



The screenshot shows the 'Fertilizer Properties' form. It has a 'Fertilizer Search' button. Below it, there are fields for 'Name \*' (Folo Spray 12-5-40), 'Form \*' (Granular/Dry), 'Purchased Units \*' (kilograms), 'Unit Cost' (\$50.00 / kg), 'Applied Units \*' (grams), and 'Default Target Rate' (150.00 g / ha). To the right, there is a 'Nutrients' section with a table for Nitrogen, Potassium, Phosphorus, Zinc, Manganese, and Iron, each with a value and a percentage. A '+ ADD ANOTHER ROW' button is at the bottom of the nutrients table. 'CANCEL' and 'SAVE' buttons are at the bottom of the form.

The screenshot shows the 'Fertilizer Search' modal. It has a 'Name' field with 'FOL' entered and a 'Manufacturer' dropdown menu with 'PLANT HEALTH TECH.' selected. Below these is a table with columns 'Name' and 'Manufacturer'. The table lists four fertilizers: Folo Spray 0-50-30, Folo Spray 12-5-40, Folo Spray 20-20-20, and Folo Spray 6-30-30, all from 'PLANT HEALTH TECH.'. At the bottom, there is a link: 'Request a new fertilizer to be added to the list.'

1. Click **Farm** tab > **Inputs & Materials** > **Fertilizers** tab
2. Select **+ Add Fertilizer**
3. Click **Fertilizer Search**:
  - Leave Name and Manufacturer blank to search the entire database - click **More** button to see more
  - Type Name to find by name - type a minimum of 3 letters to search for matching names
  - Select Manufacturer to filter the list by manufacturer
  - Select the Fertilizer Name from the list
  - Supplement the details by listing the Nutrients
  - Indicate Purchased Units and Applied Units, along with Unit Cost and Default Target Rate
    - you can add custom fertilizer names for use in your organization, or use the link to **Request a new fertilizer to be added to the list**
  - Add Purchase details with the **...** button to track cost and inventory levels
4. Click **Save**



Watch this [video](#) to learn more.

# Online | Adding Purchases

## FARMER CORE ONBOARDING

The screenshot displays the Trimble Farm software interface. The top navigation bar includes 'Farm', 'Field', 'Fleet', 'Analytics', and 'Data Transfer'. The left sidebar shows a menu with options like Home, Profile, Farms, Equipment, Inputs & Materials (selected), and Commodities. The main content area is titled 'INPUTS & MATERIALS' and has tabs for 'CHEMICALS', 'FERTILIZERS', 'LIME', 'SEEDS', 'WATER', 'TANK MIXES', and 'SUMMARY'. A table lists materials with columns for Material, Qty. Purchased, Avg. Cost, Total Cost, Applied Area, Avg. Rate, Qty. Used, and Balance. A 'Purchase Details' modal is open for material 10-34-0, showing fields for Date, Quantity Purchased, Price, Tax, Total Cost, and Optional Details like Vendor and Invoice #. Below the main table, a 'Fertilizers > 10-34-0' sub-table shows a single purchase record for 06/04/2018 with a total cost of \$2,650.00.

1. Click **Farm** tab > **Inputs & Materials**
2. Select the desired tab for the purchase to be entered (Chemicals, Fertilizers, Lime, or Seeds)
3. Click the **...** button on the material that was purchased
  - Click **+ New Purchase**
4. Enter the Purchase Details
5. Click the OK button to save the purchase

### Optional:

- use the **+ Carry Over** button to carry over purchase balances to the next year
- **Update Task Costs** and **Update Material Unit Cost** can be used when changes for either need to be made and updated for existing applications in that growing season



Watch this [video](#) to learn more.

# Online | Adding Tank Mixes

## FARMER CORE ONBOARDING

The screenshot displays the Trimble Farmer Core Onboarding interface. The main window shows the 'Tank Mix Properties' form under the 'TANK MIXES' tab. The form includes fields for Name, Form, Carrier, Default Rate, Mix Rate, and Mix Cost. A table lists ingredients with their costs and rates. A dialog box titled 'Select Material(s)' is open, showing a list of materials to be added to the mix.

**Tank Mix Properties**

Name \*: burndown

Form \*: Liquid

Carrier: water

Default Rate: 10.00 gal / ac

☒ Define mix as rates  
☐ Define mix as quantities

Mix Rate \*: 10.00 gal / ac

Mix Cost: \$2.25 / gal

Ingredient	Cost	Rate
Durango	\$25.00 / gal	0.10 gal / ac
Atrazine 4L	\$40.00 / gal	0.50 gal / ac

**Select Material(s)**

- ☒ Chemical
- ☒ Fertilizer
- Lime
- Water

CANCEL OK

To be used to document custom Tank Mixes

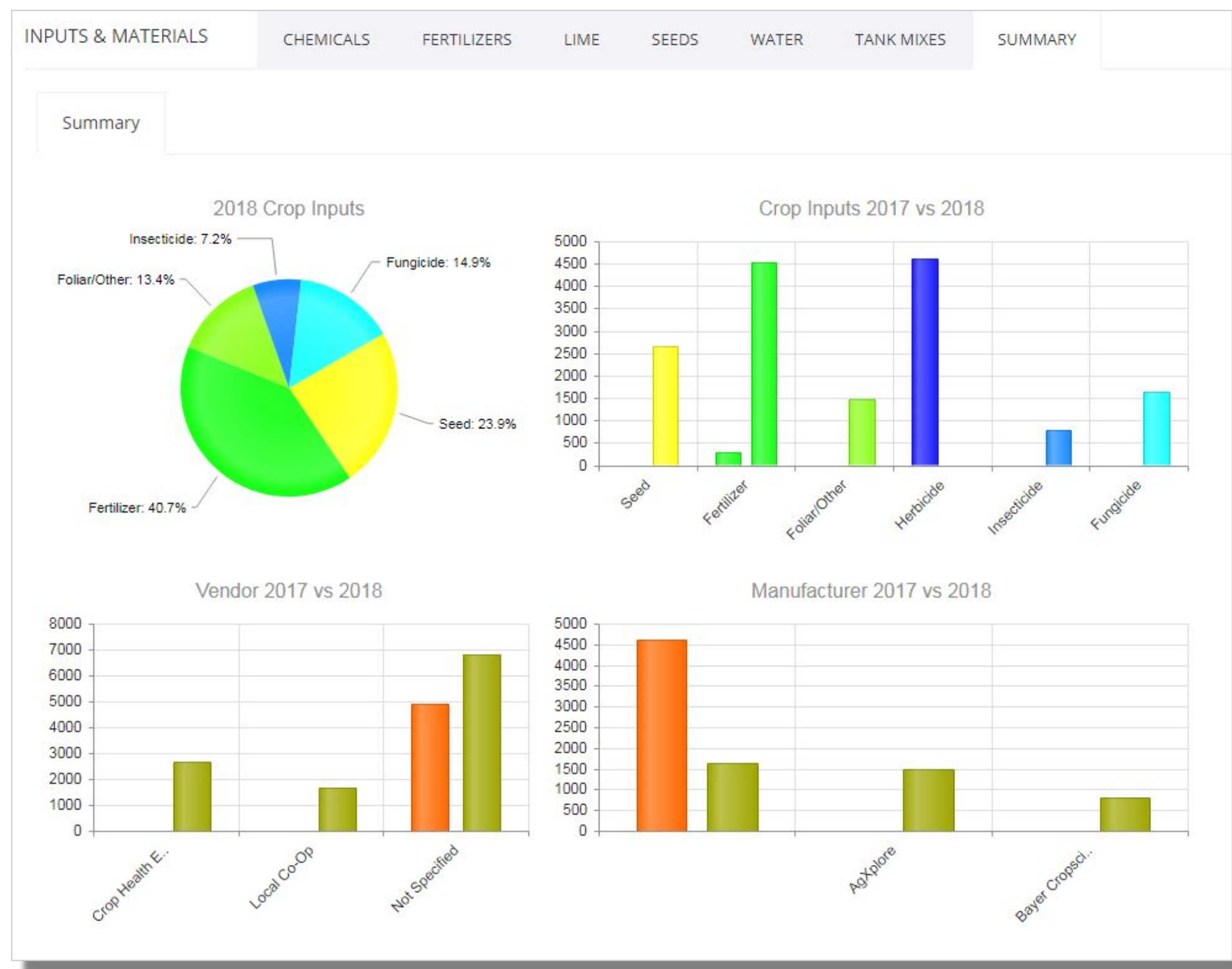
1. Click **Farm** tab > **Inputs & Materials** > **Tank Mixes** tab

- Select **+ Add Tank Mix**
- Enter Name: **Burndown**
- Select Form: **Liquid**
- Carrier: **Water**
- Default Rate: **10.00 gal/ac**
- Check of **Define mix as rates**
- Mix Rate: **10 gal/ac**
- Ingredients
  - Select **Durango**
    - Cost: **\$25.00/gal**
    - Rate: **0.10 gal/ac**
  - Select **Atrazine 4L**
    - Cost: **\$40.00/gal**
    - Rate: **0.50 gal/ac**
- Click **Save**



# Online | Inputs and Materials Summary

## FARMER CORE ONBOARDING



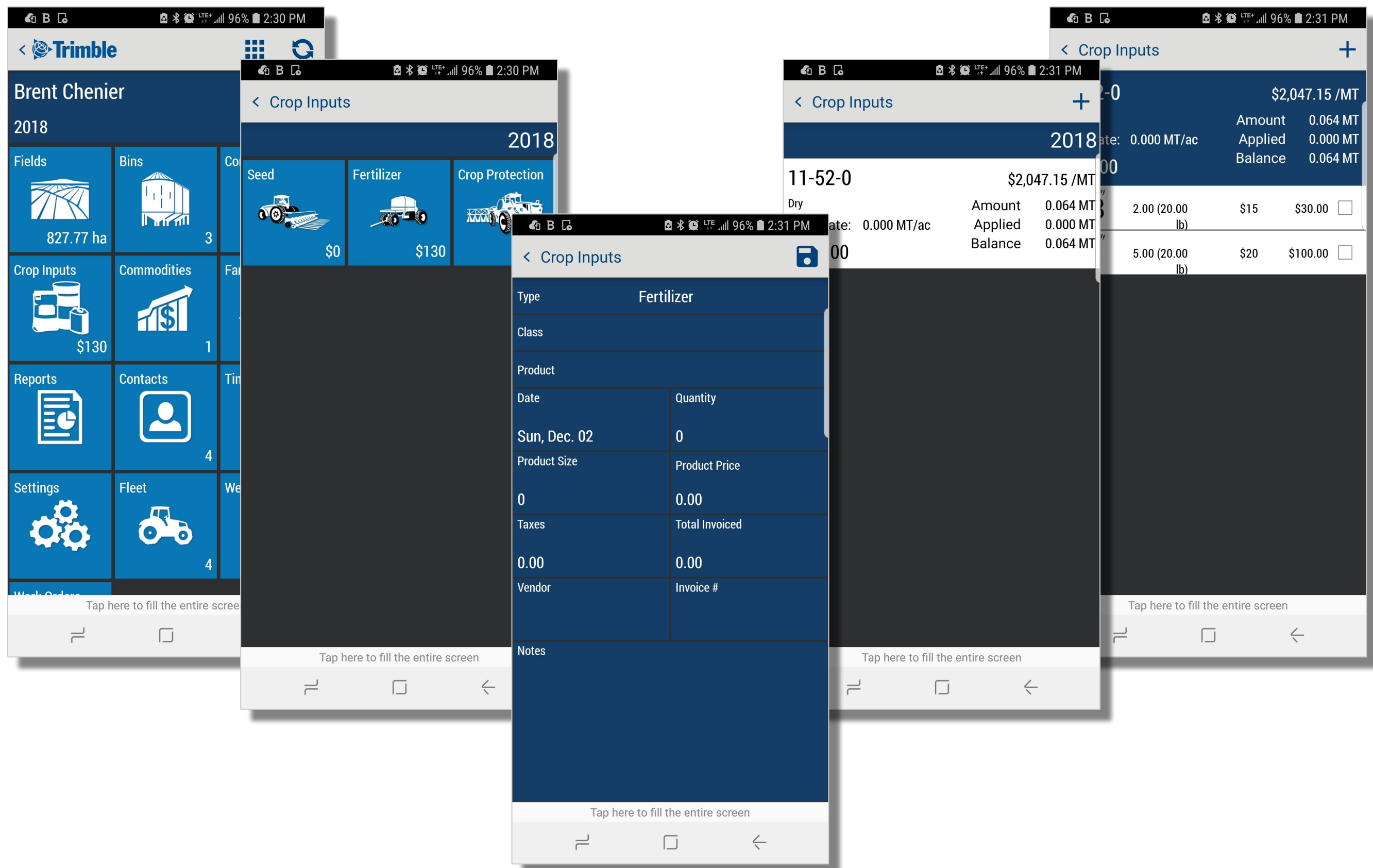
Click **Farm** tab > **Inputs & Materials** > **Summary**

- The distribution of the 2018 Crop Inputs are illustrated in the pie chart based on purchases that have been entered.
- Crop Inputs are compared to prior year in a Bar Chart
- Bar chart Vendor analysis with prior year provided
- Bar chart Manufacturer analysis with prior year provided



# Mobile | Adding Purchases

## FARMER CORE ONBOARDING



1. Tap **Crop Inputs** tile
2. Tap the desired input : **Fertilizer**
3. Tap the + symbol to add a new crop input **purchase**
  - Type: **Fertilizer**
  - Product: **11-52-0 (Dry) P**
  - Date: **Sun.Jan 28**
  - Quantity: **8**
  - Product Size: **1 MT**
  - Product Price: **634**
  - click **Save** icon
4. **Multiple** product purchases can be **logged** and **summarized** in mobile. All product purchases will become available online as soon as you **sync** your Trimble Ag mobile app.

Note that you cannot add a new **Material** to your overall material list from Mobile, this can only be done from the **Online** platform. Repeat this process as needed for any input purchase made.

0.2.e

# Farm and Fields

# Online | Planning Season Farm / Fields

## FARMER CORE ONBOARDING

**Objectives:** To understand the basic information required when planning for a new crop season.

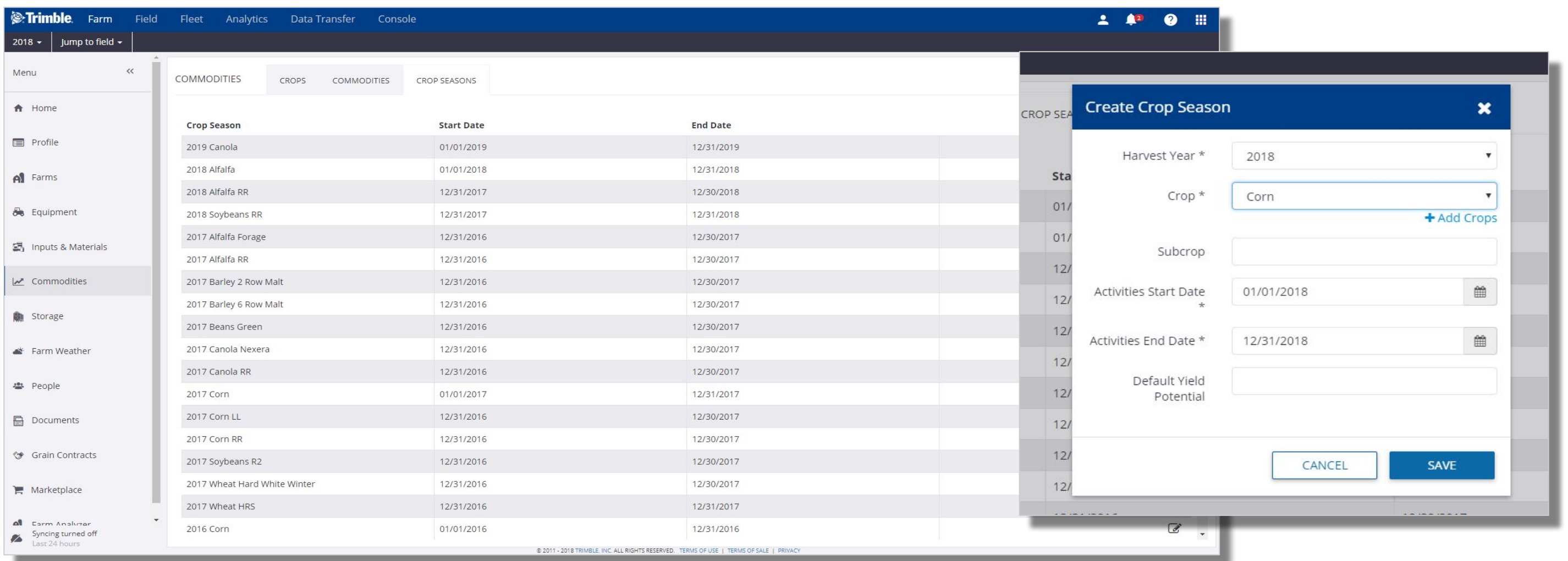
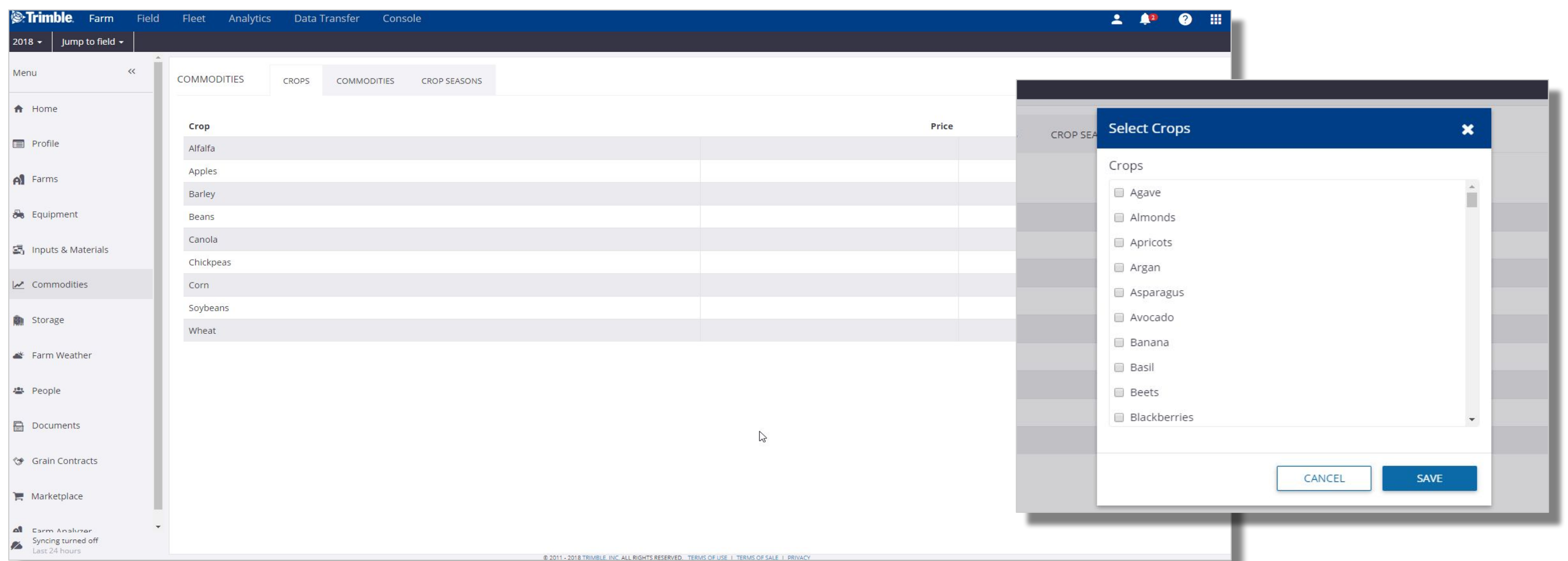
In this session you will learn:

- Creating a Crop Plan
  - How to add potential Crop types
  - Navigating Trimble Ags Client/Farm/Field setup
    - How to add a new Client, Farm, Field and Boundary in Online and Mobile
    - The importance of field Boundaries in TAS
  - Managing multiple Crop Zones using “New Crop” feature
  - How to navigate the Farm Map
  - How to add a Target Yield



# Online | Add a Crop and Crop Season

## FARMER CORE ONBOARDING



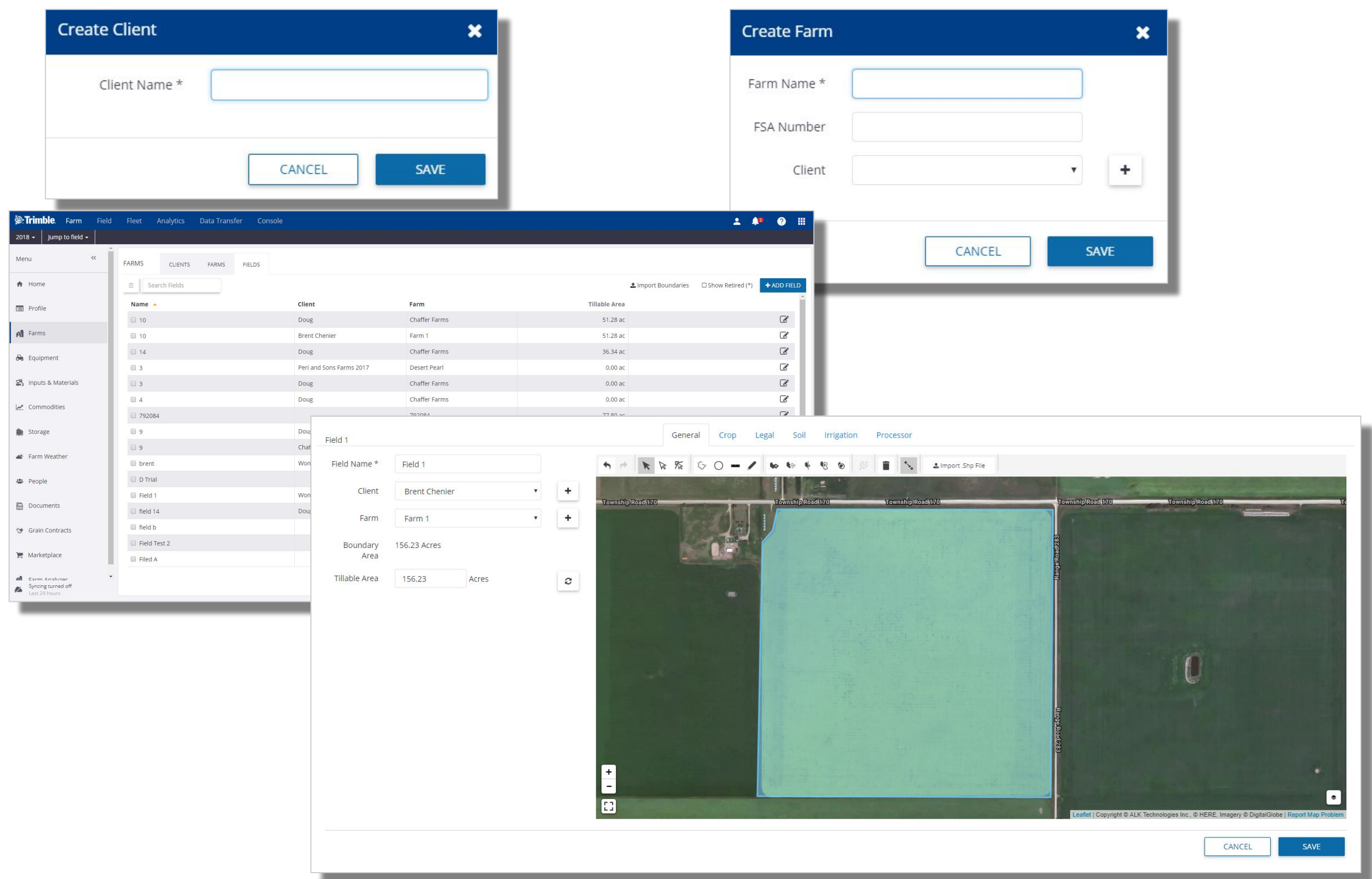
1. Click **Farm > Commodities > Crop**
  - Click **+ Add Crops**
  - **Check off** the appropriate crops
  - Click **Save**
2. Click **Crop Season** tab
  - Click **+ Add Crop Season**
  - Select **Harvest Year**
  - Select **Crop**
  - Select **Activity Start** and **End** date (if different from default)
  - Click **Save**



Watch this [video](#) to learn more.

# Online | Adding Client, Farm, Field

## FARMER CORE ONBOARDING



1. Click **Farm > Client > +Add Client**
  - Enter Client name > click **Save**
2. Click **Farm > Farms > +Add Farm**
  - Enter Farm name: **Farm A**
  - Enter FSA number(if applicable)
  - To place the **Farm** under a **Client**, choose a **Client** from the dropdown list > click **Save**
3. Click **Farm > Fields > + Add Field**
  - Enter **Field Name: Field 1**
  - Select proper **Client** and **Farm** from dropdowns
  - Use **GIS Tools** in mapping window to manually draw the **Boundary**
  - OR
  - click **Import .Shp File** > select the .shp file only > click **Open**
    - You can make further **edits** to the imported boundaries using the **GIS tools**.
  - click **Save**

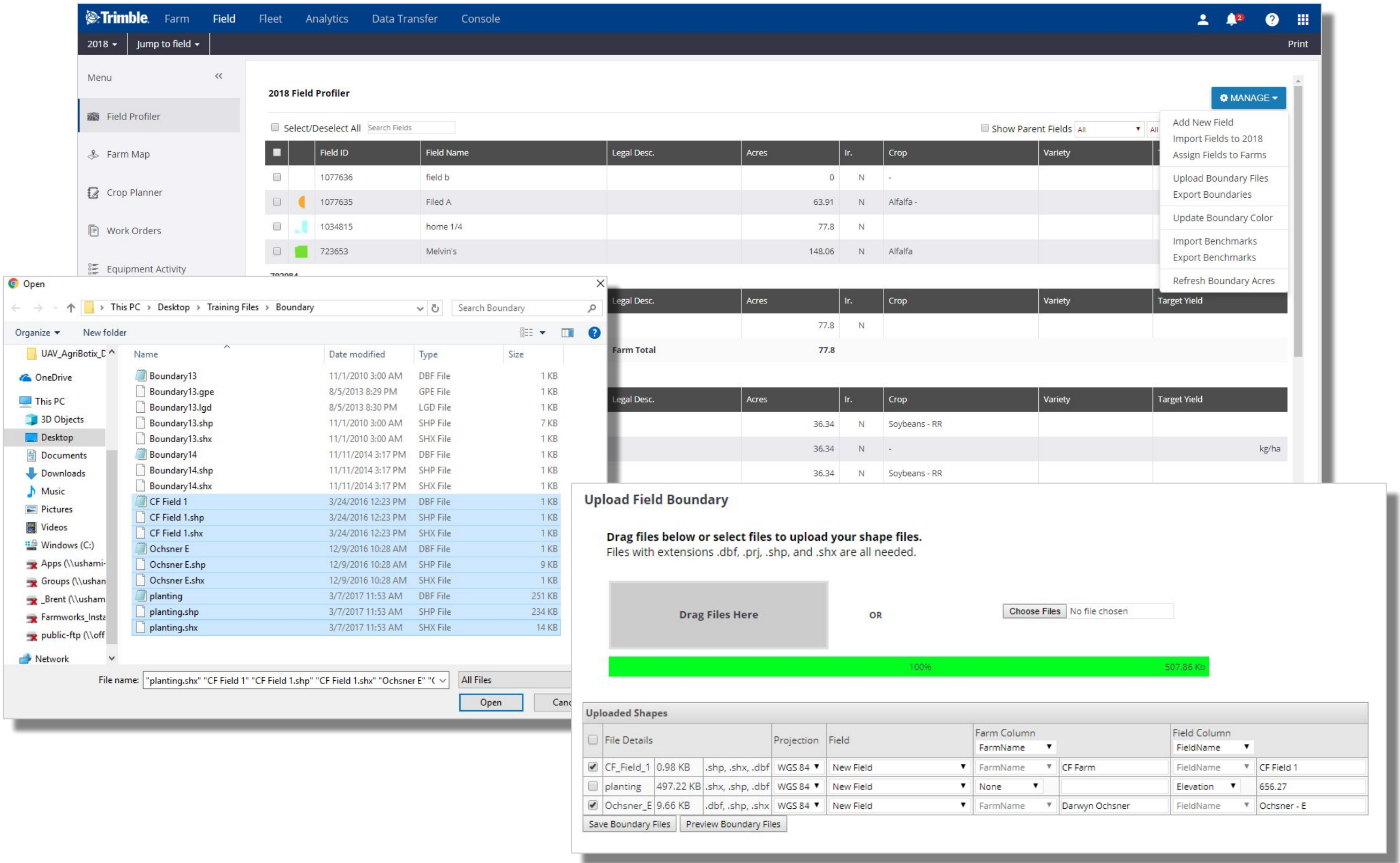


Watch this [video](#) to learn more.



# Online | Add Field and Boundary (Bulk)

FARMER CORE ONBOARDING



1. Click **Field** tab > **Field Profiler** > **Manage**
2. Select **Upload Boundary Files**
  - Select **.shp, .shx and .dbf** for all desired boundaries
    - click **Open**
  - Leave **Field** column at **default** (New Field)
  - Select **Farm Name** and **Field Name** attribute columns from Farm/Field Column dropdown menu to auto fill details

**OR**

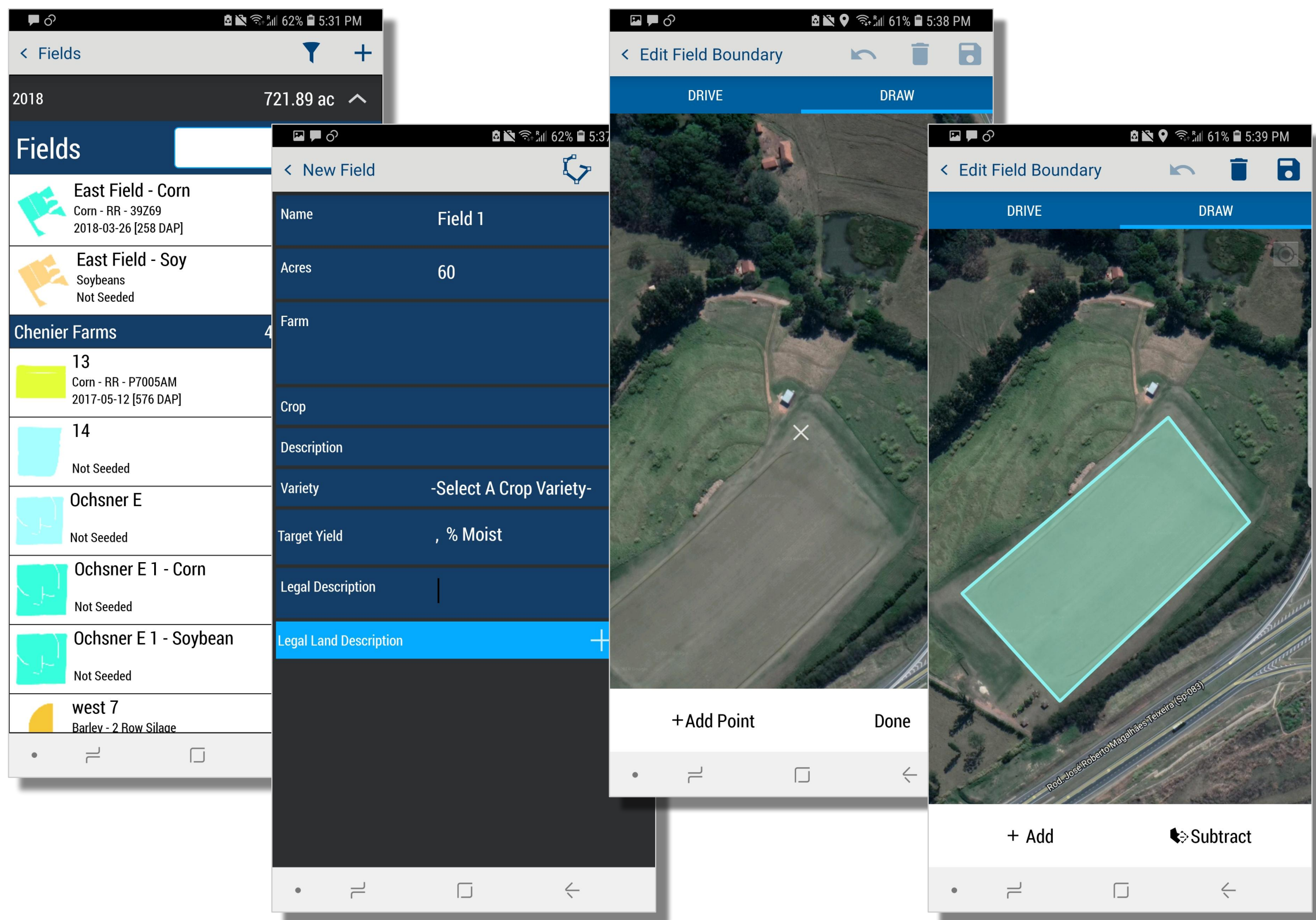
  - Manually enter **Farm** and **Field** name
3. Check fields on left side
4. Click **Save Boundary Files**





 Watch this [video](#) to learn more.



# Mobile | Add New Field and Boundary

## FARMER CORE ONBOARDING



1. From the Farm screen, tap **Fields** > tap the + symbol to create new
2. Enter field name (required to create a boundary): **Field 1**
3. Enter estimated acres (required to create a boundary): **60**
4. Enter other details as needed
5. Tap the **Boundary** (  )
6. Chose to:
  - **Drive Boundary**
    - tap **Start** and drive the boundary
    - tap **Done** to close the boundary
    - tap **Save icon** (  )
  - **Draw Boundary**
    - tap the **Draw** tab
    - tap **Start** and hover the white **X** overtop of a boundary corner to start > tap **+Add Point** to start boundary > repeat for all corners of the field
    - tap **Done** to close the boundary
    - tap **Save icon** (  )
7. tap **Save icon** (  ) to finish new field



Watch this [video](#) to learn more.

# Online | Multiple Crops per Field

## FARMER CORE ONBOARDING

The screenshot displays the Trimble Farmer Core Onboarding interface. The top navigation bar includes 'Company', 'Farm', 'Field', 'Fleet', 'Analytics', 'Workbench', 'Data Transfer', and 'Console'. The left sidebar shows a menu with 'Overview', 'GIS', 'Weather', 'Work Orders', 'Equipment Activity', and 'Lab Data'. The main content area is titled '2019 Field Manager' and shows 'Field Details # 1014809' for 'Ochsner E - Chenier Farms'. A 'MANAGE' dropdown menu is visible, with options: 'Edit', 'Delete Field', 'Split Field', 'New Crop', and 'Save Actuals as Crop Plan'. The 'New Crop' modal is open, showing 'Parent Field: #1014809 - Ochsner E (151.10 ac)'. It lists two new crops: 'Ochsner E - Soybeans' (New Acres: 151.1, Crop Sequence: 1) and 'Ochsner E - Corn' (New Acres: 151.1, Crop Sequence: 2). A 'SAVE FIELDS' button is at the bottom. Below the modal, a table titled 'Chenier Farms' lists fields with their IDs and names. The table has columns for 'Field ID' and 'Field Name'. The rows are: 867573 (13), 867526 (Ochsner E), 1014809 (Ochsner E 1), 1014809 (Ochsner E 1 - Corn), 1014809 (Ochsner E 1 - Soybean), and 1077211 (west 7). The row for 'Ochsner E 1' is highlighted with an orange box, and arrows point to it from the text 'Original Field (parent field)'. The rows for 'Ochsner E 1 - Corn' and 'Ochsner E 1 - Soybean' are also highlighted with an orange box, and arrows point to them from the text 'New Crop Fields'.

Field ID	Field Name
867573	13
867526	Ochsner E
1014809	Ochsner E 1
1014809	Ochsner E 1 - Corn
1014809	Ochsner E 1 - Soybean
1077211	west 7

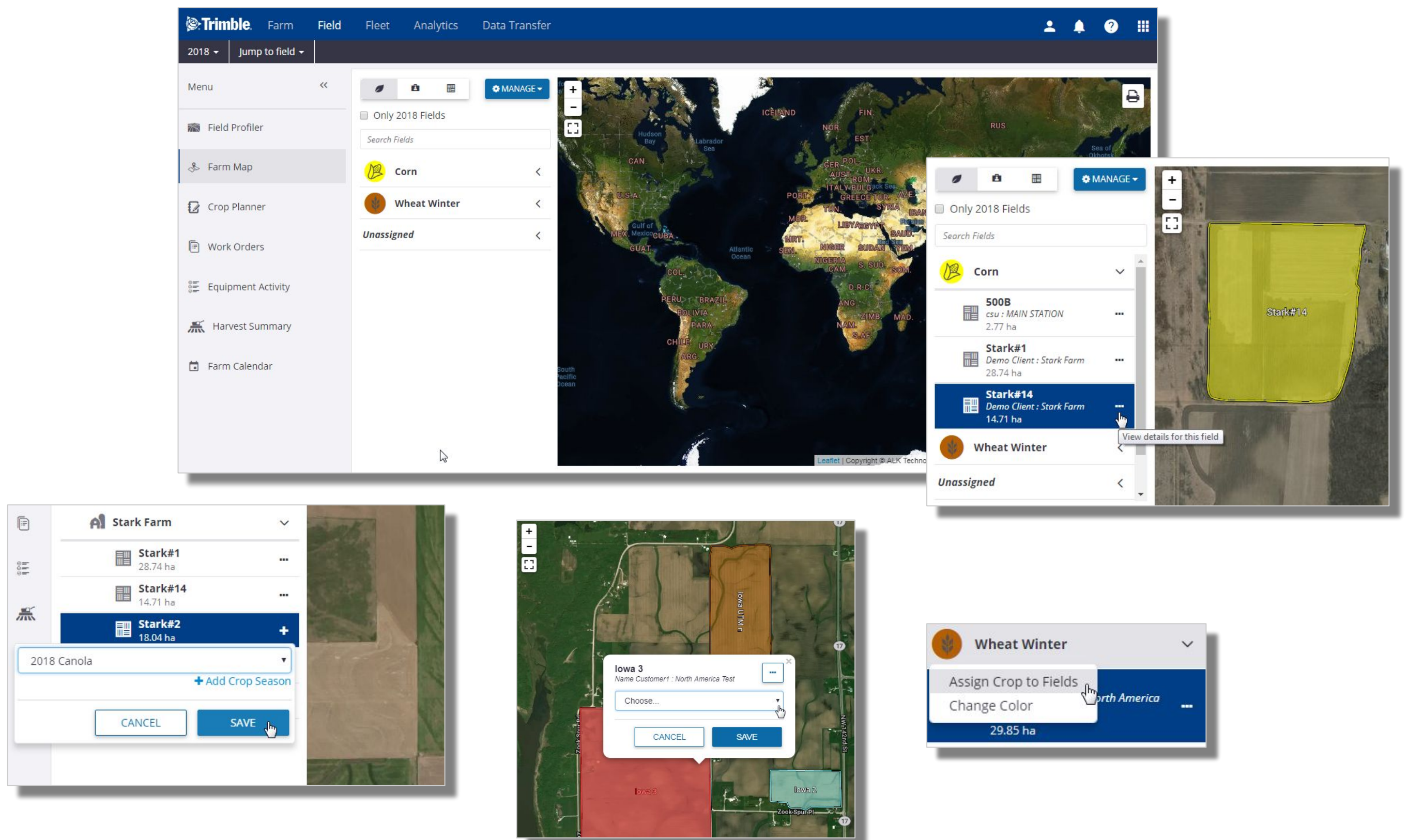
1. From the **Field Overview**, click **Manage** > click **New Crop**
2. Enter new **Field Name** for each New Crop
3. Enter **Acres** for each New Crop
4. Click the + button to create multiple new crops at the same time (optional)
  - note that crop sequence numbers will not increase if you choose to do it this way. For Crop sequence number to increase, you need to create each new crop, 1 at a time.
5. Adjust **Crop Sequence** according to the order the Crops are grown.
  - i.e Corn = Crop Sequence 1, Soybeans = Crop Sequence 2, etc.
6. Click **Save Fields**

Please note that the new crop fields created will only be available for that calendar year. The field will reset to the single Parent field the next calendar year.



# Online | Farm Map

## FARMER CORE ONBOARDING



### 1. Click **Field** tab > **Farm Map**

- Interact with your fields in a map view
- Show fields grouped by Crop Season
- Show fields grouped by Client and Farm
- Show Fields Only



- From the Field level list, click on the **...** button to **View details for this field** in the Field Manager screen.
- If the field shows a plus sign **+** on the right, this means a crop has not been assigned to the field, click **+** to assign a crop from the drop down menu, or click **+ Add Crop Season** to add a new crop season for selection - click **Save** to update the Crop Season.
  - Fields with the **+** may have been imported from a vehicle display without a crop assignment, these fields *will not* appear in the Field Profiler until a Crop Season has been assigned.
- With your farm boundaries visible in the map view, you can also click on the field boundary in the map to assign the Crop Season from the drop down menu.
  - Click on the Crop Season icon to **Change Color** for each crop in the map view, or to access the **Assign Crop to Fields** option to assign the selected crop to multiple fields in the map view.



Watch this [video](#) to learn more.



# Online | Crop Type and Target Yield

## FARMER CORE ONBOARDING

Field	Acres	2016 Crop	2017 Crop	2018 Crop	Description / Variety	Target Yield / % Moisture	Target Price
New Field # 1059223	85.04						
<b>Farm A</b>							
Field A1 # 1059617	29.23						
Field A2 # 1059618	19.4						
Field A3 # 1059620	37.07						
Field A4 # 1059622	7.41						

1. Click **Field > Crop Planner**
2. Check that **Crop Type** for each field is correct.
  - If not, under the **2018 Crop Year** column, enter desired **Crop, Description** and **Variety**
3. Enter **Target Yield** amount
  - select **unit of measure**
4. (Optional) Enter **Target Price**
5. Scroll down > **Save Changes**

Please note that this is an area where you could bulk assign Crops to each field as well.



# 0.3

## Uploading Data

**0.3.a**

# **Equipment Data Upload**



# Option 1 | API Connection

## FARMER CORE ONBOARDING

SETTINGS SYNCING API CONNECTIONS

Account	Email	Date Added	Last Sync
AGCO	METfarms	10/22/2018	11/01/2018 3:10 PM
slingshot 123D4566-2345F678-3456R789-567W890	jfarmer@email.com	11/01/2018	11/01/2018 3:10 PM
NEW HOLLAND AGRICULTURE		11/01/2018	
CASE IH AGRICULTURE		11/01/2018	
JOHN DEERE TIFARMS		11/01/2018	

Sync Data  
Manage Companies  
Delete

Settings  
Import Fields  
Import Files  
Delete

+ ADD ACCOUNT ▾

- Raven Slingshot®
- AGCO Variodoc
- JD Link
- AFS Connect
- PLM Connect

1. Click **Data Transfer** tab > **Settings** > **API Connections**
  - Click **+ Add Account** to select the desired API Connection
    - Raven Slingshot®
    - AGCO Variodoc
    - JD Link
    - AFS or PLM Connect
2. Enter the credentials for the API Connection
  - CNH API Options
    - Sync Data
    - Manage Companies
  - JD Link Options
    - Settings
    - Import Fields
    - Import Files (for historical data)
3. View the data in Online like any other Equipment Activity data
4. Check the [compatibility chart](#) to see what API data is transferring



Watch this [video](#) to learn more.

# Option 2 | Trimble Display

## FARMER CORE ONBOARDING

**Field Task History**

**Planting**  
04/21/2017 12:59 AM  
Stark#1  
Demo Client: Stark Farm  
2017 Corn  
Tillable area: 28.74 ha  
Area covered: 27.16 ha

**CORN HARVEST 11-8-16**  
11/08/2016 3:08 PM  
500B  
CSU: MAIN STATION  
2016 Corn  
Tillable area: 2.77 ha  
Area covered: 2.66 ha

**Menu**

- Field Profiler
- Farm Map
- Crop Planner
- Work Orders
- Equipment Activity

Q FILTER BY...	CLEAR FILTER	Active Filter			
11/01/2016 - 11/01/2018; Demo Client					
All	Name	Date	Client	Farm	Field
<input type="checkbox"/>	Harvest 1	10/11/2017 12:49:21 PM	Demo Client	Stark Farm	Stark#14
<input type="checkbox"/>	Planting	04/21/2017 12:59:07 AM	Demo Client	Stark Farm	Stark#1

**OVERVIEW** | **OVERVIEW** | **FIELD MAP**

**Layers**

- ☒ Stark#14 - Harvest 1 - Dry Yield
- ☒ Field Boundary

**Vehicle Properties**

Name \*: Jaguar Chopper  
Manufacturer \*: Claas  
Vehicle Type \*: Forage Harvester  
Vehicle Group: Tractor - Large Row Crop  
Unit Cost: \$0.00 / hr  
Attached Devices:  
Display Device: 5106509682 (FmX) - 5106509682 - No Vehicle  
Telematics Device: Unassigned  
Vehicle License: Active through 01/05/2019

**Display Setup**

- Mapping
- Patterns
- Steering and Guidance
- Safety and Alarms
- Application Control
- ISOBUS
- Office Sync**
- Simulation
- Users and Passwords

**Office Sync**

- OfficeSync
- OfficeSync
- Check Server  
Every 10 minutes
- Send Data  
Hourly
- Auto-send without prompt
- Auto-import inbox

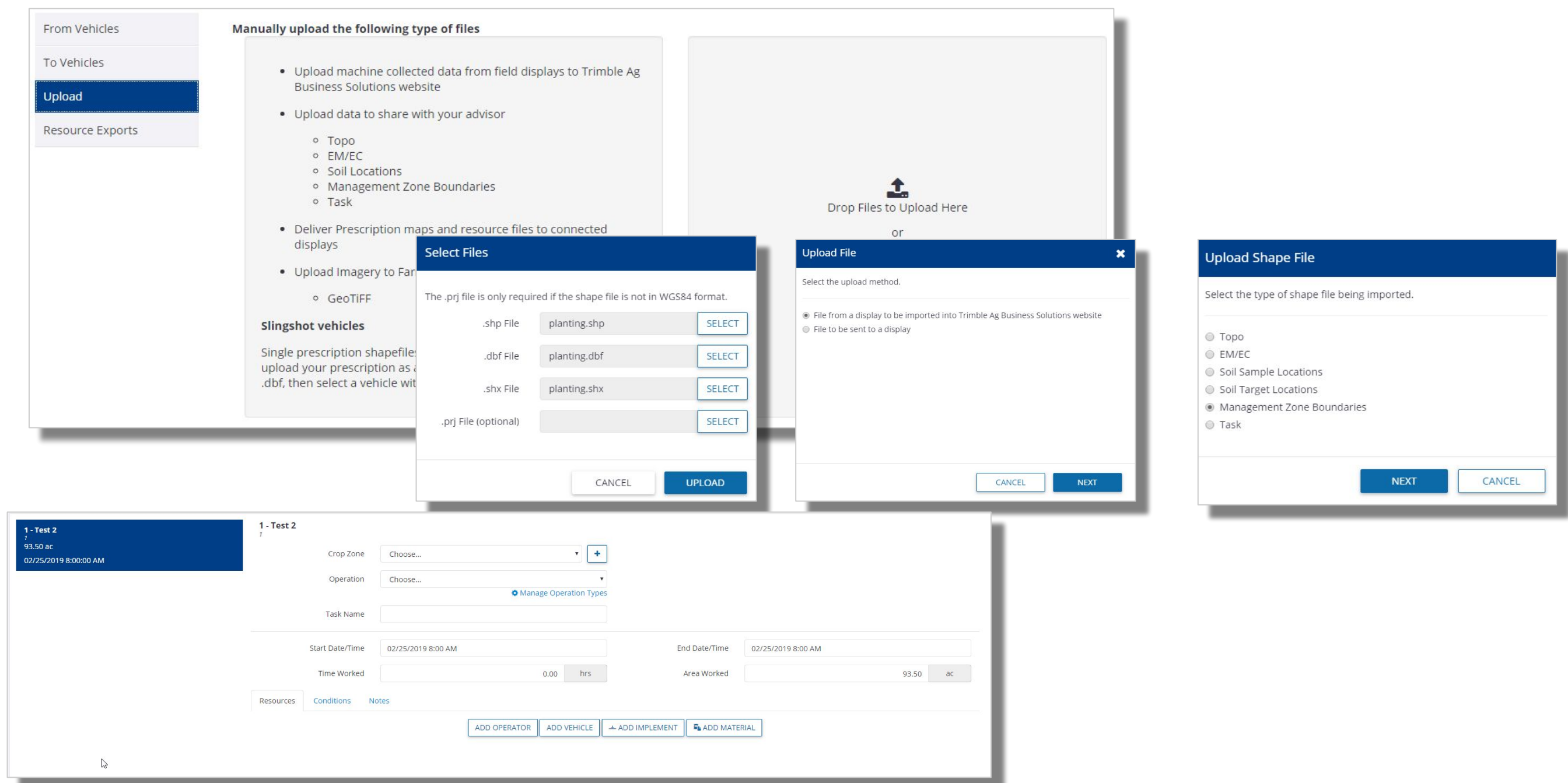
- Trimble Display data can be viewed in several places on the website
  - Field Task History on the Home Page
  - Field > Equipment Activity
  - Field Manager > Field Map
- Setup Data Transfer
  - Create a **Vehicle** configured with a **Display License** in Online
    - Add the Display Device **serial number** from the drop down
    - Assign a display license
  - Configure the **Trimble Display** for Office Sync
    - Load Active Plugin for Office Sync (FmX/FmX+)
    - Configure Data Transfer (Office Sync)

Once set up, data will begin populating in the website wirelessly.



# Option 3 | Manual Importing Data

## FARMER CORE ONBOARDING



1. Click **Data Transfer** tab > **Manage Files**
2. To upload a shapefile
  - **Search for** or **drag** the shapefile components for upload
  - Select “**File From Display to be Imported...**”
  - Select the **type** of shapefile being imported
  - Select the appropriate **attributes** from the **dropdowns** for the file type you are uploading as well as the relative **unit of measurement**. Note this will vary depending on the task type
  - Select the proper **Field**
  - Enter a **Crop Zone**, **Operation Type** and **Task Name**
  - Add a **vehicle** to the Task. Note that Vehicles must be [added](#) ahead of time to populate in the list
  - All other details are optional.
  - Click **Save**
3. To upload **display data**
  - To upload **display data**, the file needs to be zipped before uploading
  - **Search for** or **drag** the zipped display file for upload
  - Select “**File From Display to be Imported...**”
  - Select the **display format**
  - Select the **Vehicle** and Click **Upload**
  - Monitor the **processing status** of your upload via **From Vehicles** tab

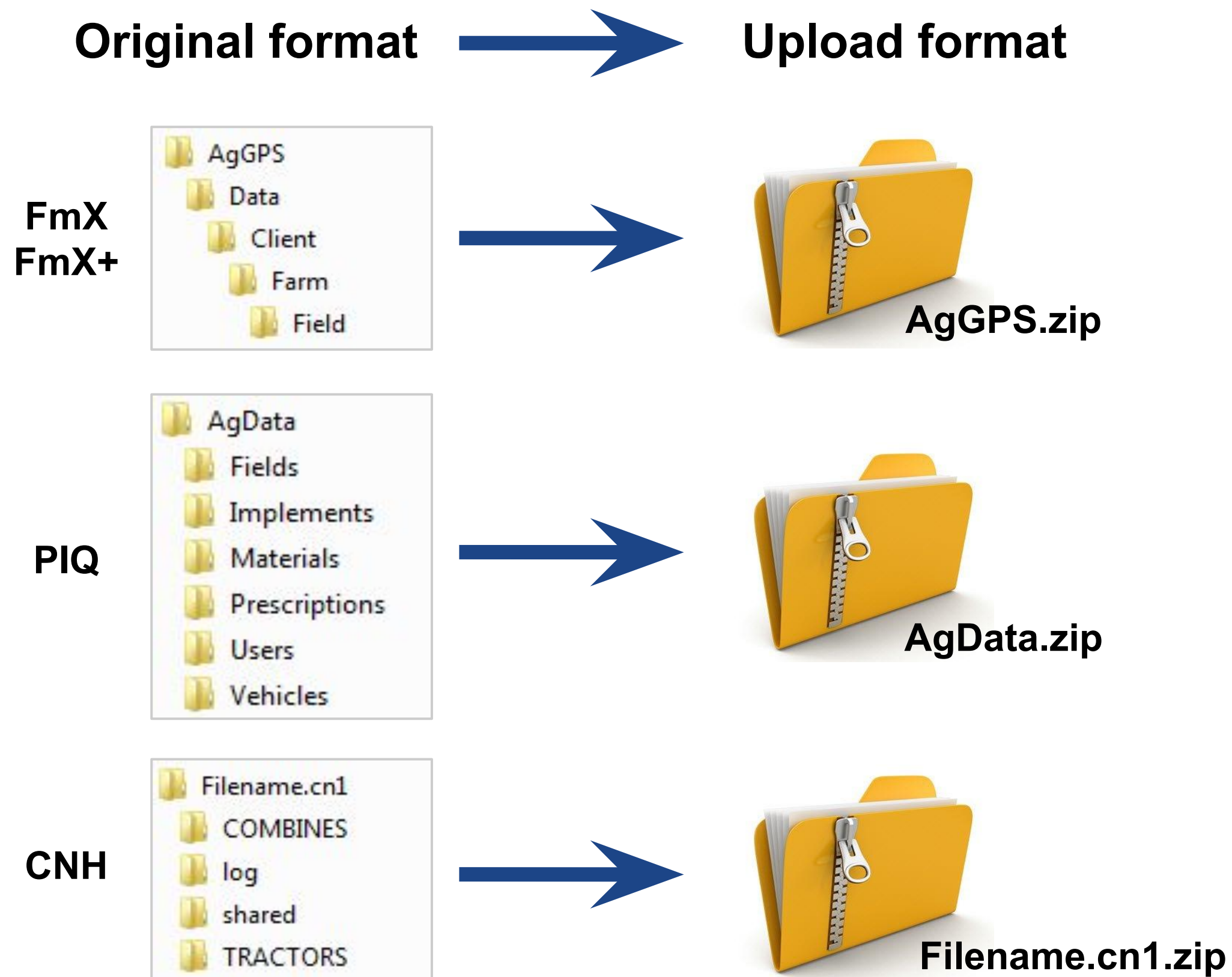


Watch this [video](#) to learn more.



# Option 3 | More Info for Uploading

## FARMER CORE ONBOARDING



1. Click **Data Transfer** tab > **Manage Files**
2. To upload a **shapefile**
  - **Search for** or **drag** the shapefile components for upload
  - Select “**File From Display to be Imported...**”
  - Select the **type** of shapefile being imported
  - Select the appropriate **attributes** from the **dropdowns** for the file type you are uploading as well as the relative **unit of measurement**. Note this will vary depending on the task type
  - Select the proper **Field**
  - Enter a **Crop Zone**, **Operation Type** and **Task Name**
  - Add a **vehicle** to the Task. Note that Vehicles must be [added](#) ahead of time to populate in the list
  - All other details are optional.
  - Click **Save**
3. To upload **display data**
  - To upload **display data**, the file needs to be zipped before uploading
  - **Search for** or **drag** the zipped display file for upload
  - Select “**File From Display to be Imported...**”
  - Select the **display format**
  - Select the **Vehicle** and Click **Upload**
  - Monitor the **processing status** of your upload via **From Vehicles** tab

# Option 4 | Import from shapefile

## FARMER CORE ONBOARDING

The screenshots illustrate the following steps:

- Select Files:** Choose the shapefile (.shp), database file (.dbf), and shapefile extension (.shx). An optional .prj file can also be selected.
- Upload Shape File:** Select the type of shapefile being imported. In this case, 'Task' is selected.
- Upload File:** Select a vehicle to associate the file with. Here, 'Combine' is chosen.
- Choose Field(s):** Select the specific field(s) to import data for. 'B1 Test' is selected.
- Task Configuration:** A detailed view of the task configuration. It includes dropdowns for Flow, Yield, Width, Wet Yield Mass, Commodity, Moisture, and Engaged. It also lists required attributes (Vehicle assignment, GPS position, time) and optional attributes (Wet Yield Flow, Dry Yield Mass, Wet Yield Mass, Moisture, Width, Engaged). The task is configured for 'Corn Harvesting' in the '2018 Corn (500)' crop zone, starting on 02/21/2019 at 8:00 AM.

1. Go to the **Data Transfer** tab (top menu)
2. Select **Manage Files**
3. Click **Upload** tab
4. Click **Upload Files** and navigate to harvest data shapefile (.shp, .shx, .dbf are required)
5. Select “**Task**” as the shapefile type
6. Use the dropdown menus to identify the relative **attributes** associated with the **Yield Data**.
  - Ideal attributes to identify for optimal cleaning:
    - **Flow, Moisture, Width, Engaged, Wet Yield Mass**
  - Required field is **Timestamp**
7. Click “**Create Task File...**”
8. Select the appropriate **Field** for the Harvest Data
9. Fill in the remaining Task details
  - Choose a **Crop Zone** (if one does not exist then use the **Plus** symbol to add one)
  - Choose **Harvest** for the **Operation**
  - Choose the appropriate **Start** and **End** date
  - Click **Add Vehicle** to attach a **Combine** to the task
  - All other details are optional.
10. Click **Save**
11. Resulting yield data will be available under **Field > Equipment activity**.

Note that the dropdown requirements will change depending on the Task shapefile you are uploading, i.e. Yield requires different attributes than Planting.

# Online | Equip. Activity: Verify Task

FARMER CORE ONBOARDING

Verify Task is critical to push as applied data to other parts of the software

Until you verify, Equipment Activity works as a Placeholder for the information

## Important!

- Before Verify Task, make sure your Fertilizers contain product composition otherwise the system will not push as applied data to other parts of the software
- Verifying Cleaned Yield data will push resulting yield map to the fields Harvest Data tab for profit analysis
- Task files uploaded via Shapefile will come into the software auto-verified
- Task files synced from the Trimble Desktop software will come in auto-verified



Watch this [video](#) to learn more.



# Online | Equipment Activity

## FARMER CORE ONBOARDING

Map Inputs

Showing input totals for Task:

<b>Operators</b>			
Planter, Doug	3.39 hrs	\$0.00 / hr	
<b>Vehicles</b>			
9230	3.39 hrs	\$0.00 / hr	
<b>Implements</b>			
Sprayer	27.16 ha	\$0.00 / ha	
<b>Materials</b>			
10-34-0	1,244.02 l	\$0.00 / l	47.46 l / ha

Stark#1

Demo Client: Stark Farm

Crop Zone: 2017 Corn (Stark#1)

Operation: Planting

Task Name: Planting

Start Date/Time: 04/20/2017 9:35 PM End Date/Time: 04/21/2017 12:59 AM

Time Worked: 3.39 hrs Area Worked: 27.16 ha

Resources: Conditions Notes

**Sprayer**

Area Worked: 27.16 ha Cost: \$0.00 / ha

**10-34-0 Fertilizer**

Area Applied: 26.21 ha Cost: \$0.00 / l

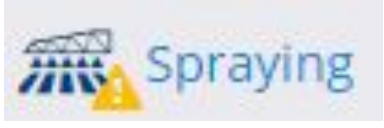
Target Rate: 0.00 l / ha Quantity Used: 1,244.02 l

Actual Rate: 47.46 l / ha

ADD OPERATOR ADD VEHICLE ADD IMPLEMENT ADD MATERIAL

CANCEL SAVE

### 1. Click **Field** tab > **Equipment Activity**

- View the list of equipment activity (tasks) that have been uploaded into Online
- Quickly view the activity items that need verified  - indicated with the caution symbol
- Select an activity item to **Add, Edit, or Delete**

1 task selected

+ ADD EDIT DELETE

- Select items to **Verify, Merge, or Reassign**

VERIFY MERGE REASSIGN

- Use the **Filter By...** drop down menu to filter the equipment activity list to Date, Crop, Is Verified, etc.
- Click on a specific task to open the Summary view of the mapped attributes as well as the Inputs data
- You can edit any necessary details of the equipment activity task prior to clicking the Verify button to ensure accurate data in the Field Profiler information - Save any edits, and then click Verify



**0.3.b**

# **AutoSync™ Feature**



# AutoSync| Summary

## FARMER CORE ONBOARDING



The AutoSync™ feature automatically syncs farm data across Trimble displays utilizing Precision-IQ software, eliminating the need to manually share data via USB. AutoSync exchanges guidance lines, field boundaries, client/farm/field names, landmarks, materials, implements, and operators. When the task is completed, task data will transfer from the displays to the online platform.

The AutoSync feature is included with Farmer Core, Farmer Fit, and Farmer Pro software subscriptions. Display Connections are required for each connected Trimble display.

Data Type		Create	Edit	Delete
Guidance Lines		✓	✓	✓
Coverage Maps <sup>1</sup>		✓		
Client/Farm/Field Names		✓	✓	✓
Landmarks and Boundaries		✓	✓	✓
Operators		✓	✓	✓
New	Vehicle Profiles <sup>2</sup>	✓	✓	✓
New	Materials	✓	✓	✓
New	Implements	✓	✓	✓

<sup>1</sup>AutoSync only sends the coverage map data from the display to Trimble Ag Software. It does not share the coverage map data to other Precision-IQ displays that are connected with AutoSync.  
<sup>2</sup>Vehicle profiles are created on the display and saved automatically within Trimble Ag Software during the AutoSync process. If the display is accidentally damaged or lost, AutoSync can restore all the vehicle settings to a new Trimble display.



# AutoSync| Requirements and Setup Steps

FARMER CORE ONBOARDING

**Objectives:** In this session you will learn how to setup AutoSync.

## AutoSync Requirements

- PiQ-enabled display (**Note:** FmX, FmX+, and CFX-750 Office Sync users will continue to have access to the same Office Sync features. AutoSync is not supported on non-PIQ displays.)
  - Wireless cellular connectivity for display
  - AutoSync-enabled firmware 2.0
  - Trimble Ag Mobile app with AutoSync features
  - Trimble Ag Software account and Display Licenses (Farmer Core, Farmer Fit, Farmer Pro)
- 

## AutoSync Setup Steps

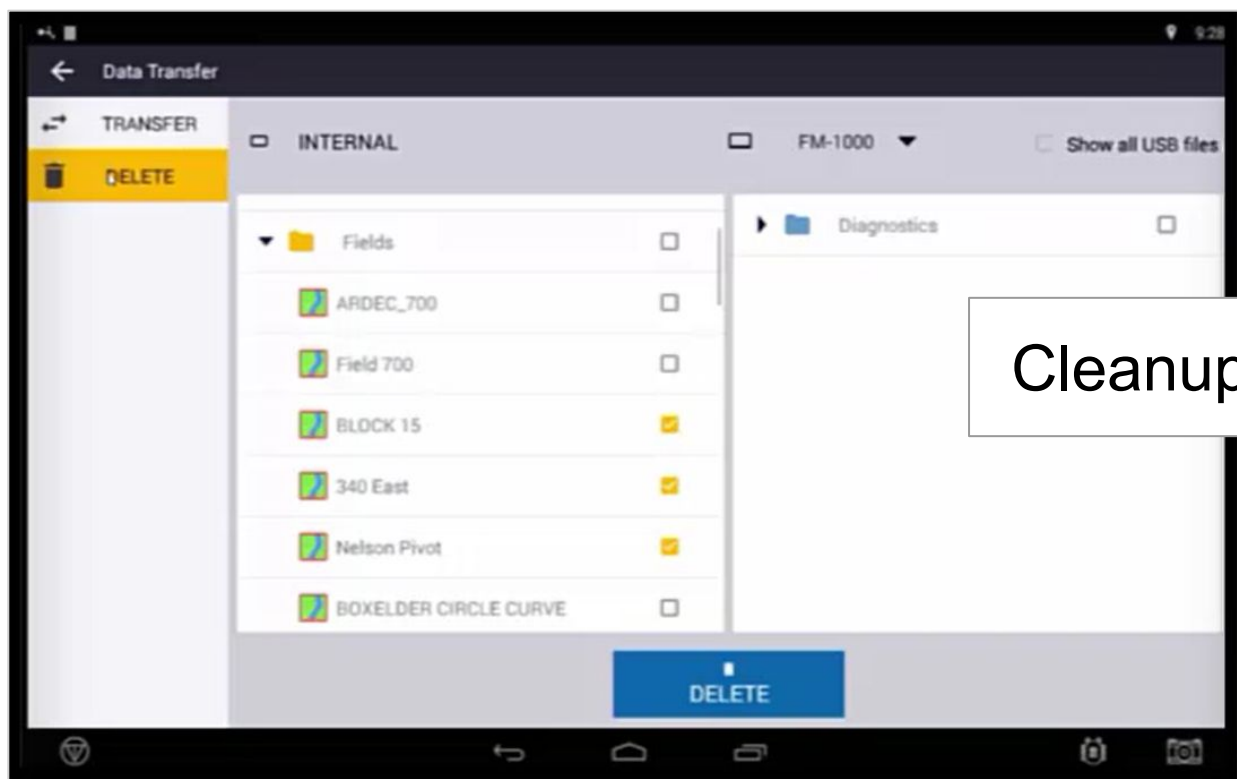
1. Setup online account and vehicles (*see Core guide pages 4 - 23*)
2. Clean up data, backup and update firmware on the displays
3. Connect display to internet (modem or Wi-Fi)
4. Enable Trimble Ag Mobile on the displays
5. Enable AutoSync in Precision-IQ



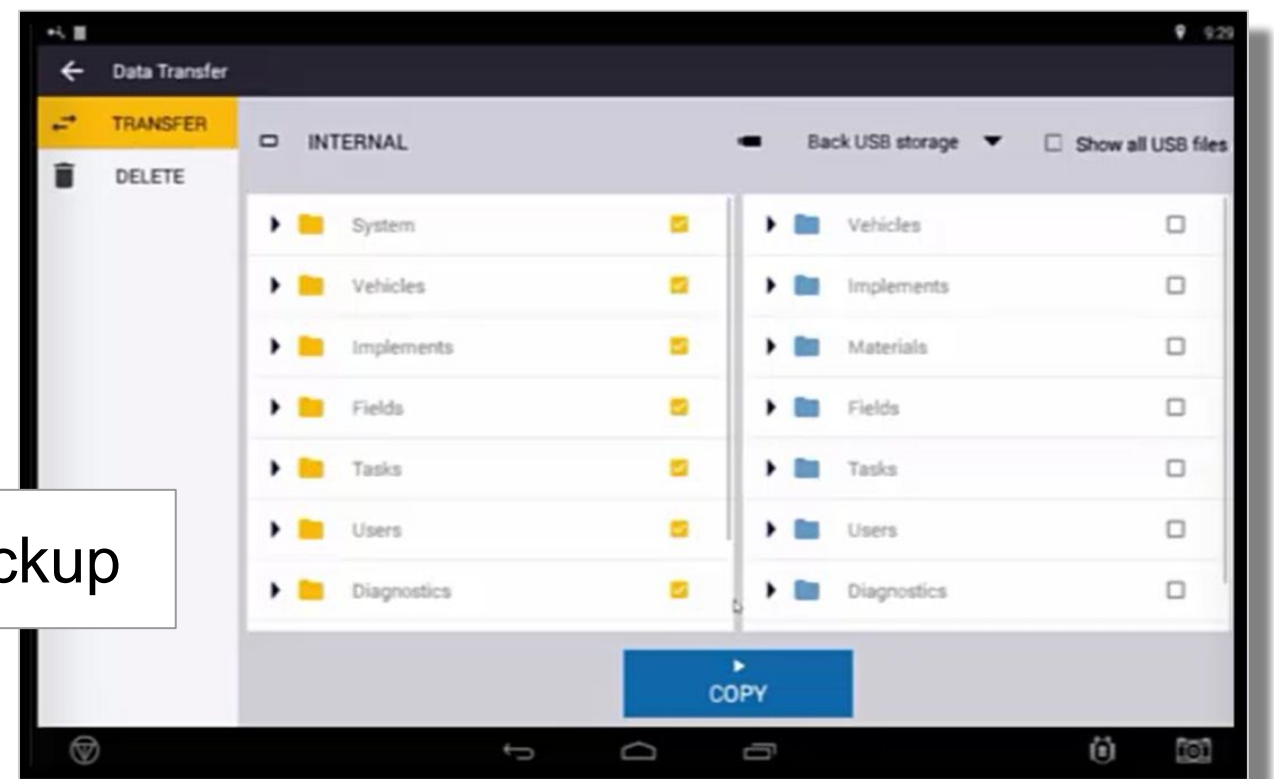
Watch this [video](#) to learn more.

# AutoSync | Step 2: Cleanup, Backup, and Update

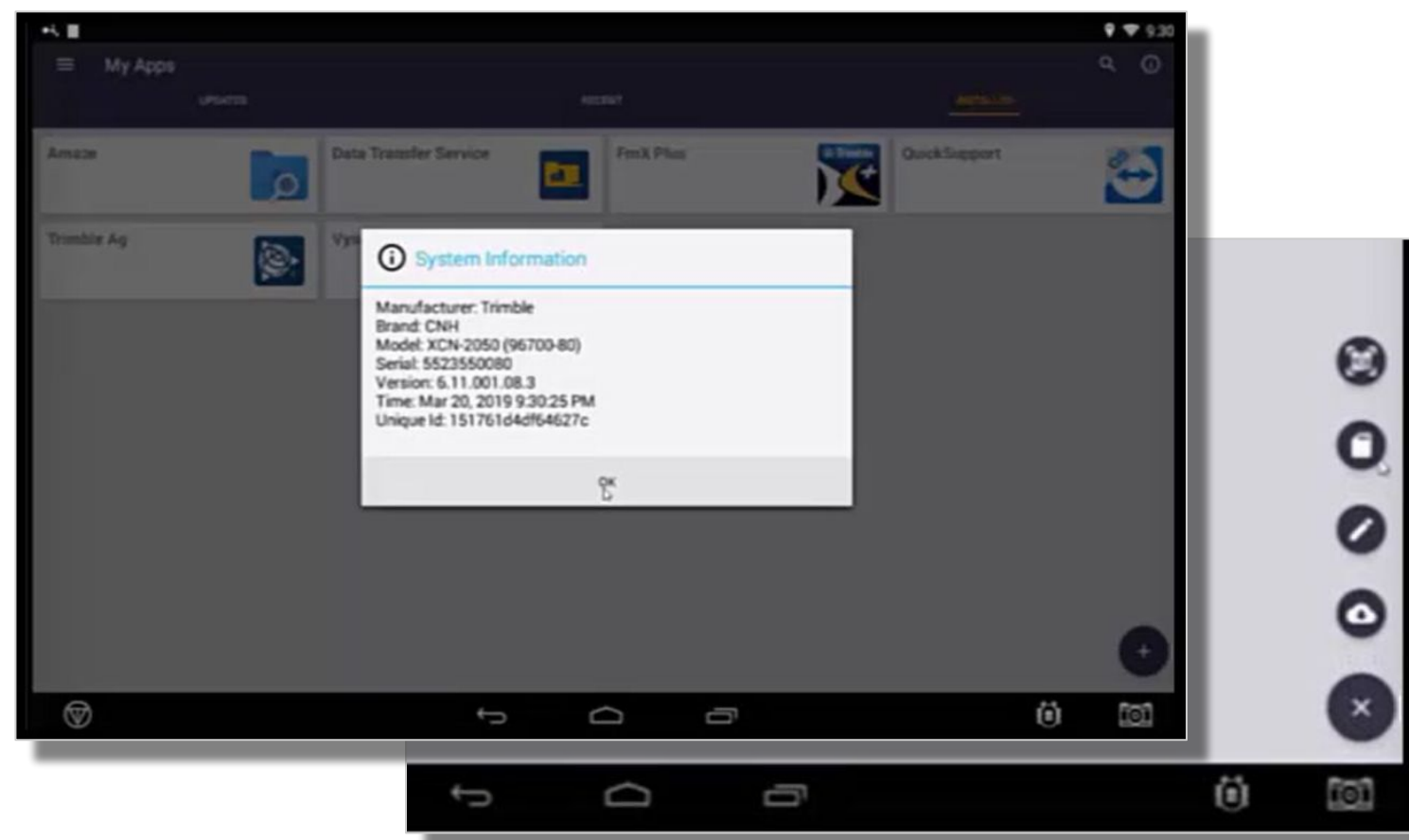
## FARMER CORE ONBOARDING



Cleanup



Backup



Firmware Update

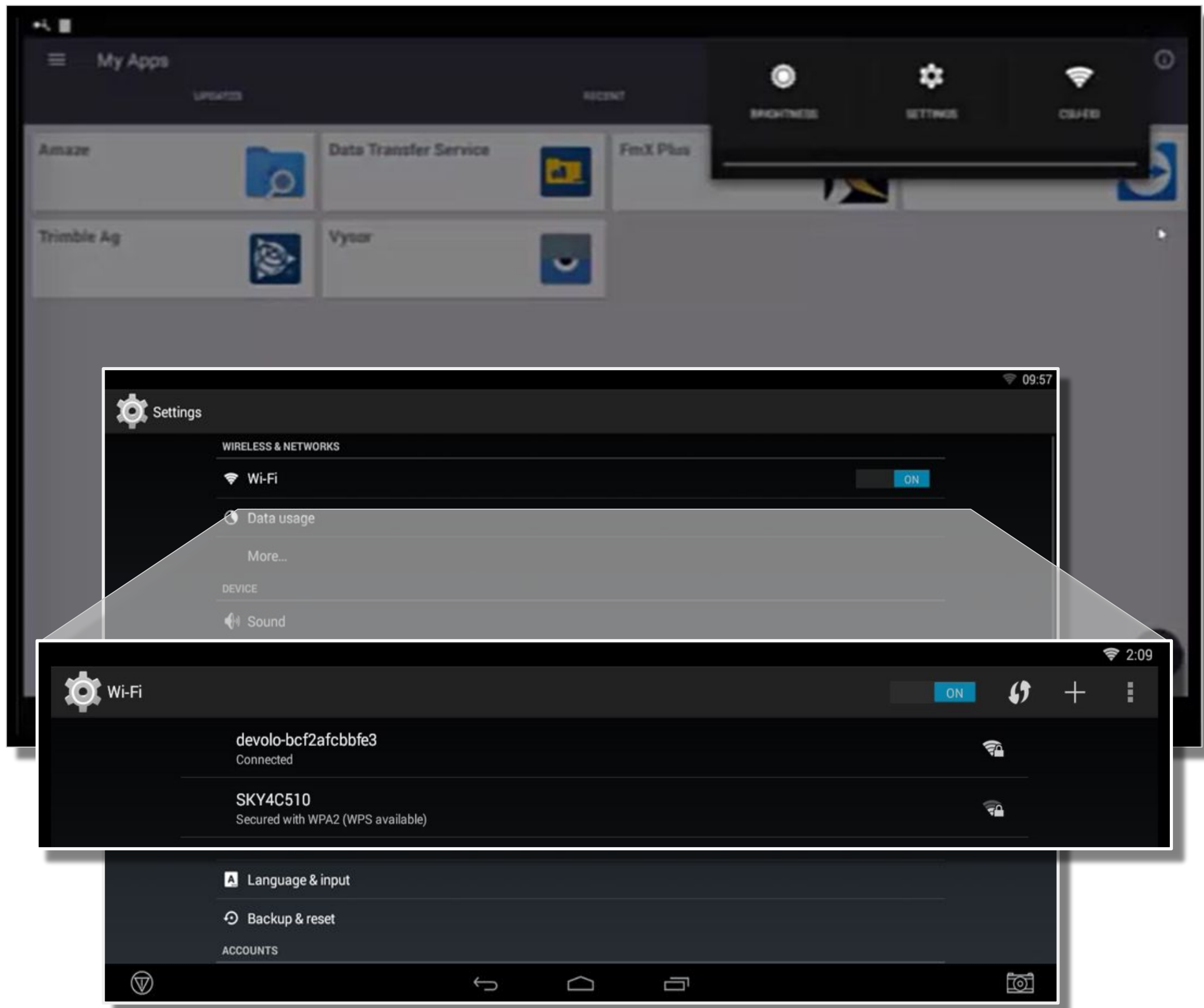
1. Open PIQ > goto **Field Tab** > Review details
2. To **Cleanup** data
  - a. Go to **Data Transfer** > select a category > **checkoff** unwanted data > click **Delete**
3. To **Backup**
  - a. Select **Directories** you wish to Backup
  - b. Select your **USB** drive on the right hand side
  - c. Select **Copy**
4. Update **Firmware**
  - a. Go to **home screen** > go to **App Central** > Check existing version by click the **Information** tab in the upper right corner
  - b. To **update**, click the **+** in the bottom right corner > go to **Disk icon** > navigate to **USB** drive that has the update on it > select that **firmware**.

Note: Below are the Firmware versions you must have in order for AutoSync to work  
TMX-2050 version 6.11 containing PIQ 6.10 or higher  
GFX-750 version 2.11 containing PIQ 2.10 or higher



# AutoSync | Step 3: Connect Display to Internet

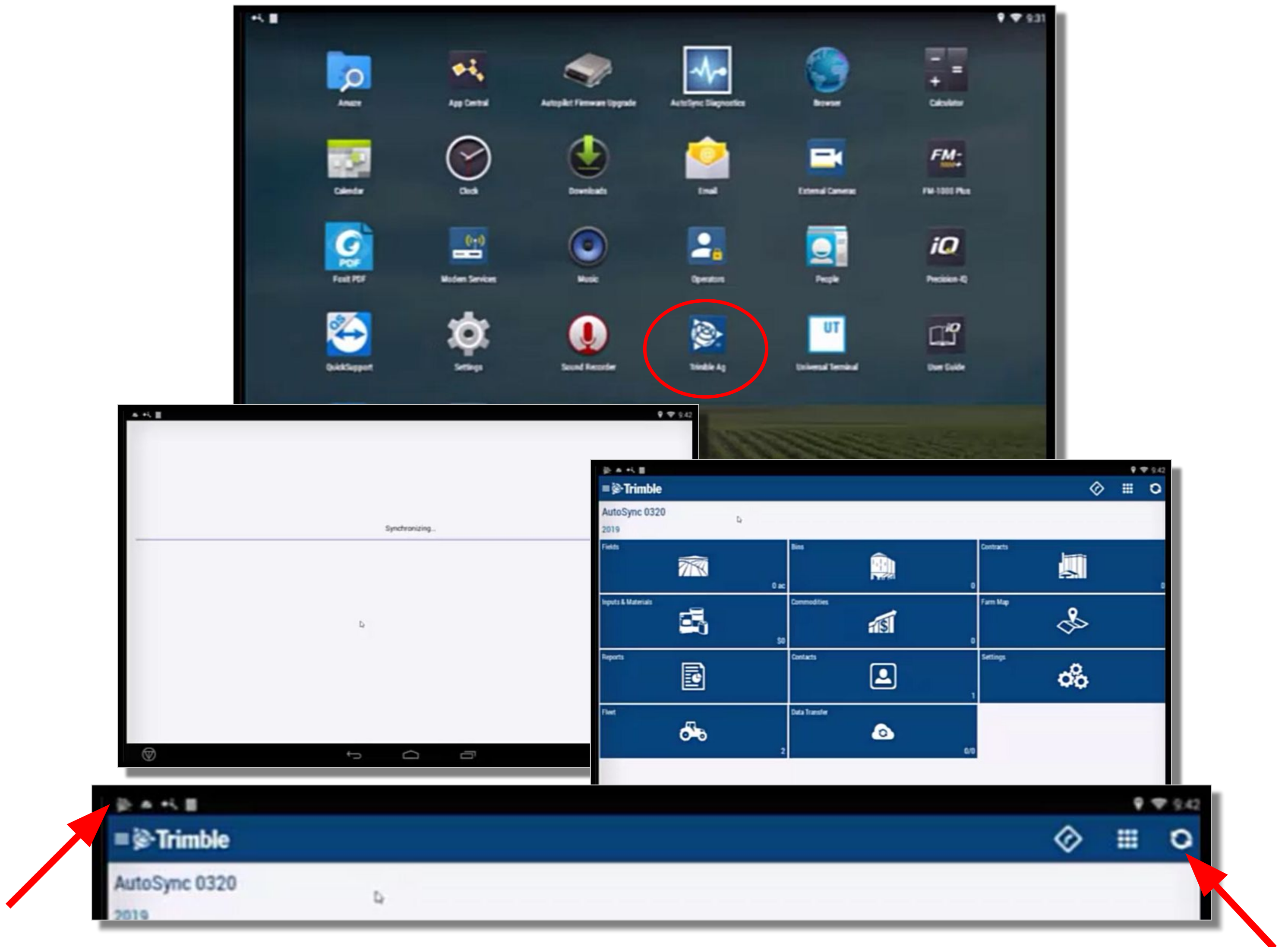
FARMER CORE ONBOARDING



1. Open the TMX or GFX display Settings.
2. Connect the display to the internet via cellular modem or Wi-Fi.
3. Verify connection to Wi-Fi before launching the Trimble Ag Mobile app.

# AutoSync | Step 4: Enable Trimble Ag Mobile

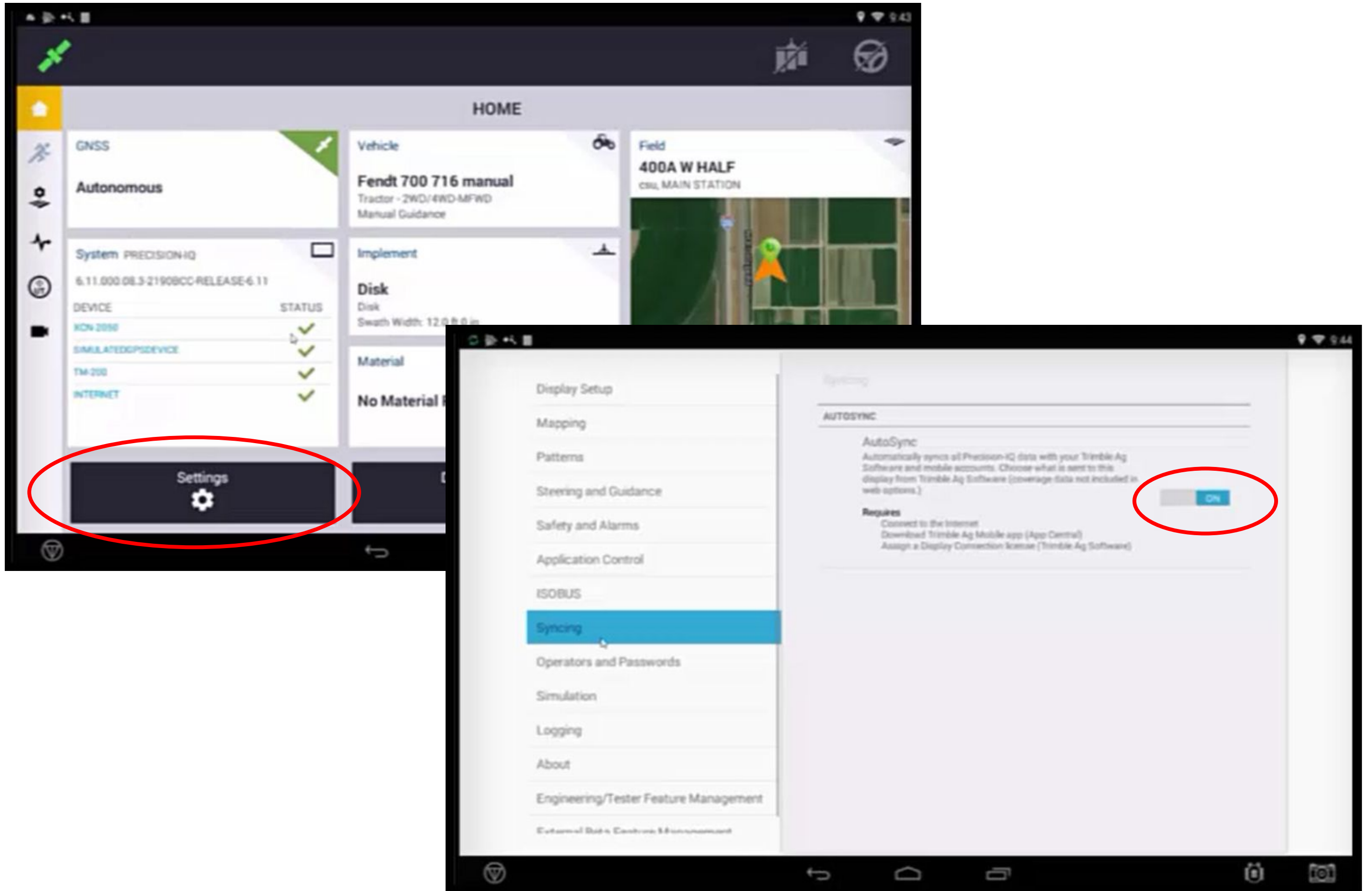
FARMER CORE ONBOARDING



1. Go to **Android Apps** > Search for **Trimble Ag App**
2. Drag the App to your home screen > Open **Trimble Ag Mobile**
3. Login to Trimble Ag Mobile, wait for the data to download
4. Manually **Sync** the Data by clicking the **Circle** icon in the top right. This is to confirm the data has been synced.
5. The **Timble Logo** in the upper left indicates that the **AutoSync** in Trimble Ag Mobile is working. If there is a message stating AutoSync is off, see **step 5**.

# AutoSync | Step 5: Enable AutoSync in PIQ

FARMER CORE ONBOARDING



1. Leave Trimble Ag app Open > Launch Precision-IQ
2. Go to PIQ > Settings > Syncing > turn on AutoSync

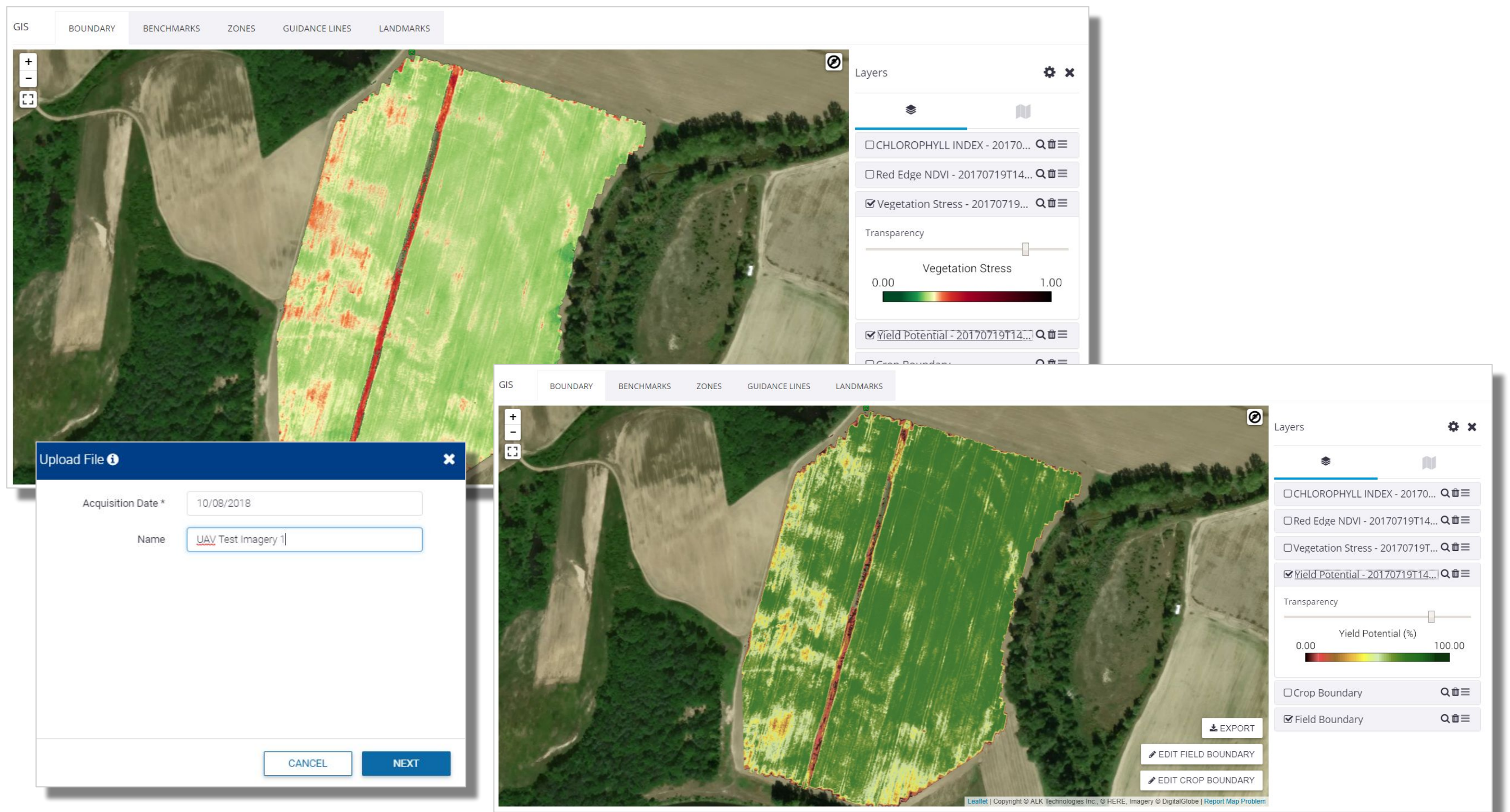


**0.3.c**

# **Generic Data Upload**

# Online | Import Data (UAV Imagery)

## FARMER CORE ONBOARDING



1. Go to the **Data Transfer** tab (top menu)
2. Select **Manage Files**
3. Click **Upload** tab
4. Click **Upload Files**
5. Select the desired **GeoTiff**
6. Enter the **Acquisition Date** of the imagery
7. Enter an appropriate **Name** for the imagery
8. Click **Finish** when pop-up confirms import is finished
9. Review upload images at the field level by click **GIS** tab > **show layers** (☰) > **available layers** (⚙️) > expand **Imagery** dropdown > check off **Geotiffs** > click **Save**

All geotiffs less than 500mb are accepted in the software, however Slantrane imagery currently has the only support legend. Also, please note that uploading of UAV Imagery **Requires** a field boundary.

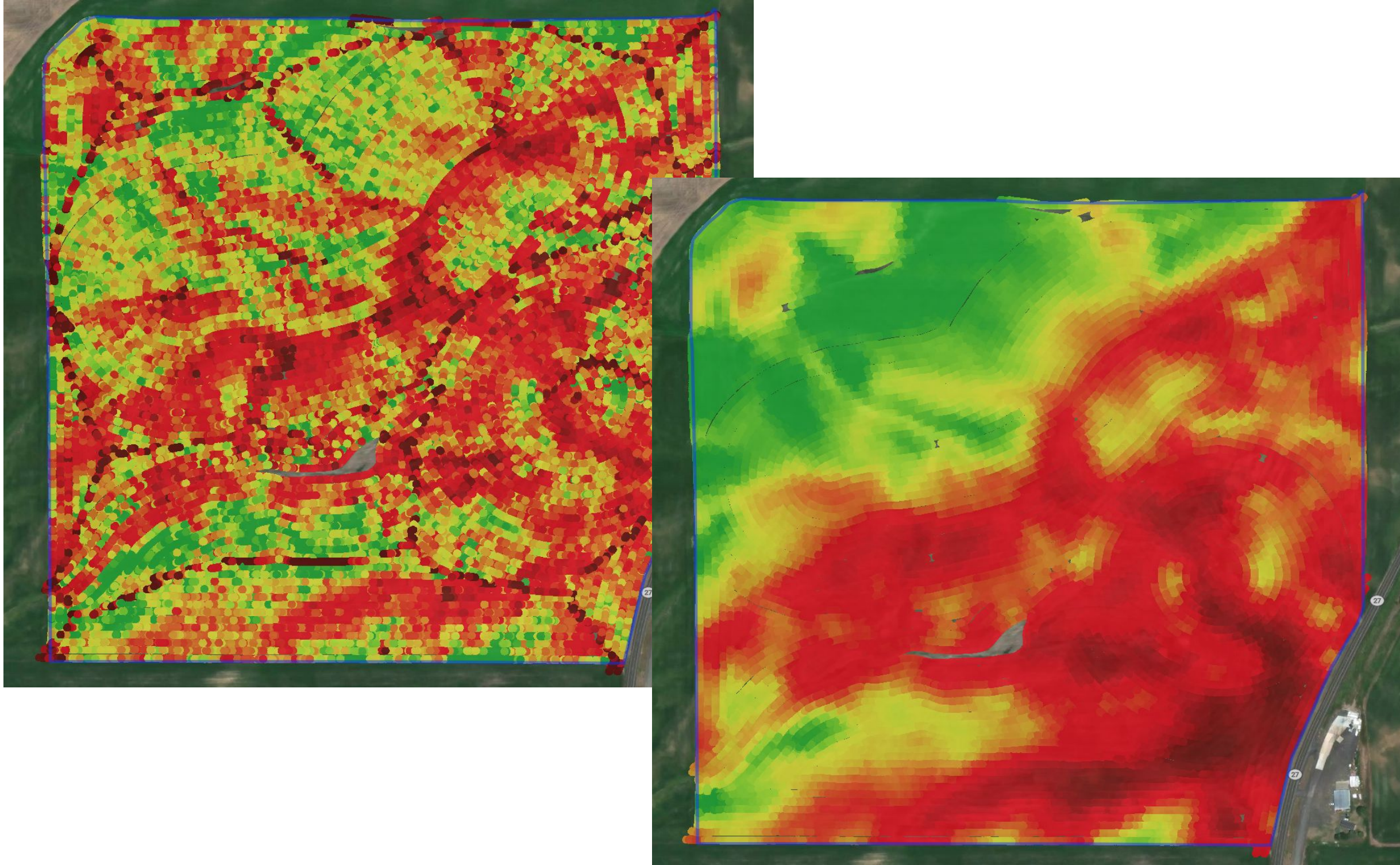
**0.3.d**

# **Yield Data Upload / Cleaning**



# Yield| Cleaning

FARMER CORE ONBOARDING



1. Eliminate Problematic Points
  - GPS Errors
  - Moisture sensor issues
  - Flow delay issues
  - Overlap passes
  - Speed and flow issues
2. Calibration between harvesters
  - Make relative adjustment
  - Use the offset entered by the user
3. Application of the scale ticket
  - If available by the user, scale ticket is distributed throughout the field to adjust actual productivity
4. Interpolation and Normalization

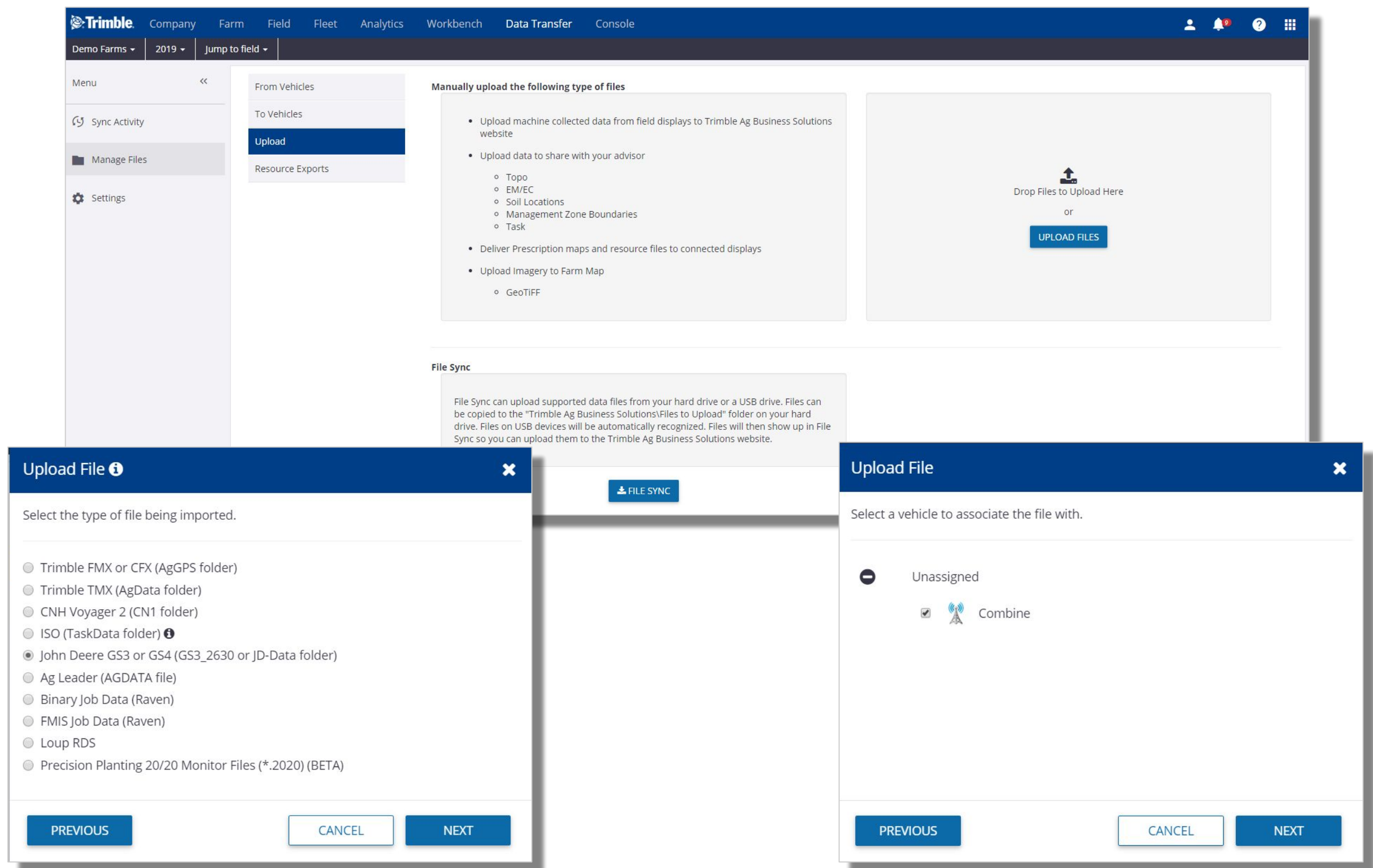


Watch this [video](#) to learn more.



# Online | Import Data (RAW Yield)

## FARMER CORE ONBOARDING



1. Go to the **Data Transfer** tab (top menu)
2. Select **Manage Files**
3. Click **Upload** tab
4. Click **Upload Files**
  - navigate to raw harvest data from display
5. Select your **Data Type** (File should be zipped with right structure)
6. Choose: File from a display to be imported into Trimble Ag Business Solutions website
7. Select **Combine/Vehicle** (Make sure it was added in Vehicles)
8. Click **Finish** when pop-up confirms import is finished

Imported Harvest Data task can then be viewed in the Fields > Equipment Activity section.

**Notes before importing Harvest Shapefiles:** When importing yield data from a shapefile, we need to assist the software in identifying the proper attribute in each dropdown listed in the Upload Shapefile pop out box as well as the appropriate unit of measurement for that attribute.

9. Please be aware that attribute titles may vary depending on the display used. For example, Engaged may be called “Engaged” or “Status” or “Header Status”, depending on the display.

# Online | Import Yield from Shapefile

## FARMER CORE ONBOARDING

**Select Files**

The .prj file is only required if the shape file is not in WGS84 format.

.shp File: B1\_Yield\_20150922.shp **SELECT**

.dbf File: B1\_Yield\_20150922.dbf **SELECT**

.shx File: B1\_Yield\_20150922.shx **SELECT**

.prj File (optional): B1\_Yield\_20150922.prj **SELECT**

**CANCEL** **UPLOAD**

**Upload Shape File**

Select the type of shape file being imported.

- Topo
- EM/EC
- Soil Sample Locations
- Soil Target Locations
- Management Zone Boundaries
- Task**
- Wetness Potential
- Soil Optix

**NEXT** **CANCEL**

**Upload File**

Select a vehicle to associate the file with.

Unassigned

**PREVIOUS** **CANCEL** **NEXT**

**Choose Field(s)**

Test Client

Test Farm

**B1 Test**

**CANCEL** **OK**

**Upload Shape File**

Flow: [ ] [ ]

Yield: [ ] [ ]

Width: Width [ ] ft [ ]

Wet Yield Mass: Wet\_Yield [ ] bu/ac [ ]

Commodity: Wheat [ ]

Moisture: Moisture [ ] % [ ]

Engaged: Engaged [ ]

**PREVIOUS** **NEXT** **CANCEL**

**500** Unassigned  
7.28 ac  
02/21/2019 8:00:00 AM

**500** Unassigned

Crop Zone: 2018 Corn (500) **+**

Operation: Harvesting **Manage Operation Types**

Task Name: Corn Harvesting

Start Date/Time: 02/21/2019 8:00 AM End Date/Time: 02/21/2019 8:00 AM

Time Worked: 0.00 hrs Area Worked: 7.28 ac

**Resources** **Harvest** **Conditions** **Notes**

**Corn**

Area Harvested: 7.28 ac Price: \$0.00 / bu

Average Yield: 0.00 bu / ac Quantity Harvested: 0.00 bu

**CANCEL** **SAVE**

**Vehicle assignment**

**GPS position, time**

**One of the following**

- Wet Yield Flow (with units)
- Dry Yield Mass (with units)
- Wet Yield Mass (with units)

**Optional (recommended)**

- Moisture (highly recommended)
- Width (with units)
- Engaged

1. Go to the **Data Transfer** tab (top menu)
2. Select **Manage Files**
3. Click **Upload** tab
4. Click **Upload Files**
  - navigate to harvest data shapefile(shp, shx, dbf are required)
5. Select **“Task”** as the shapefile type
6. Use the dropdown menus to identify the relative **attributes** associated with the **Yield Data**.
  - Ideal attributes to identify for optimal cleaning:
    - **Flow, Moisture, Width, Engaged, Wet Yield Mass**
  - Required field is **Timestamp**
7. Click **“Create Task File...”**
8. Select the appropriate **Field** for the Harvest Data
9. Fill in the remaining Task details
  - Choose a **Crop Zone** (if one does not exist then use the **Plus** symbol to add one)
  - Choose **Harvest** for the **Operation**
  - Choose the appropriate **Start** and **End** date
  - click **Add Vehicle** to attach a **Combine** to the task
  - All other details are optional.
10. Click **Save**
11. Resulting yield data will be available under **Field > Equipment** activity.



# Yield Cleaning

## FARMER CORE ONBOARDING

**Calibrate Settings**

Equipment	Acres	Adjustment %	Avg. Yield/ac	Total Yield
Combine	311.22	<input type="text" value="0"/>	1904.35 kg	592666.49 kg
		<input type="text" value="0"/>	2091.03 kg	346819.57 kg
			<b>1969.25 kg/ac</b>	<b>939486.06 kg</b>

Total Yield  kg

CLOSE

SAVE

**Clean Yield**  
Runs in the background and applies the following effects:

- Calibrated Yield**  
Removes grain flow delay, overlaps, GPS errors, and differences due to differentially calibrated combines.
- Normalized Yield**  
Divides each Calibrated Yield sample point by the field average. Normalized yields are expressed as a percentage of the average yield of the field and can be used to compare spatial yield patterns across different crops and years.

[View Requirements](#)

**Verify**  
Takes People, Equipment, Materials and other items from the selected task(s) and applies them to the Field Manager screen for that field(s).

**Merge**  
Combines two or more tasks into a single task. The tasks must be for the same field with the same crop and Task Type/Operation.

**Reassign**  
Updates the crop zone for any task that's missing a crop, by searching the field(s) for an assigned crop that matches that date range.

VERIFY TASK

EDIT

CLEAN YIELD

After you have brought the yield data to the System through the API connection, Vehicle Sync or Manual import, follow these steps:

1. Click **Field > Equipment Activities**
2. Use the filter options to find and click on the desired **Harvest Task**
3. At the bottom of the page, click **Clean Yield**
4. Enter the desired calibrations
  - a. If there were **multiple** combines used to collect the harvest data, use the **“Adjustment %”** fields to make the adjustments between combines.
  - b. For single combines, or Multi combines with an unknown “Adjustment %”, enter the **Scale Ticket** information in the **Total Yield** section
  - c. Click **Save**
5. Click **Verify Task** for the new data to take effect in the system.
6. **Cleaned Yield** results can be viewed in the following places:
  - a. In the fields **GIS tab**, under both the **Task** and **Yield** sections
  - b. **Equipment Activity > click the Harvest task > use the dropdown menu to select the Calibrated and Normalize layers.**
  - c. **Zone** section of **Workbench** (for Prime users)

Click on the **Verify Task** button to then push the newly created Harvest layer into the **Harvest Data** tab for that field.



Watch this [video](#) to learn more.

0.4

# Post-Season Application Data and Reports

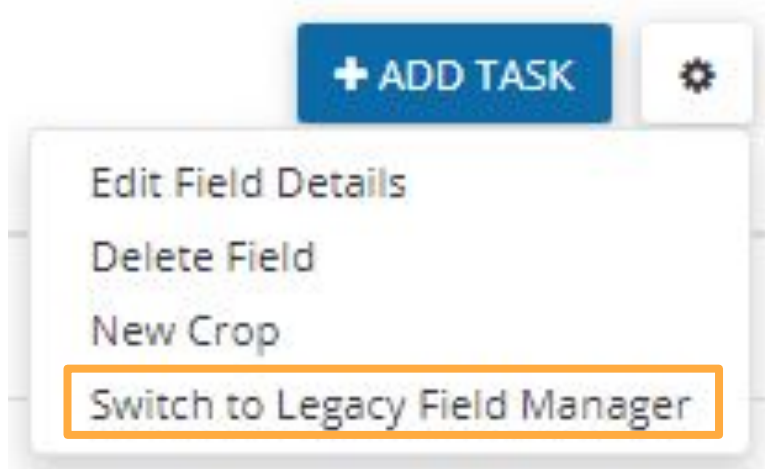
# Online | New Field Manager

## FARMER CORE ONBOARDING

**Objective:** Understand how you can view application data and manually add application tasks into the software.

In this session you will learn:

- View the New Field Manager
- Add a product application using the New Field Manager
- Add a product application using the Legacy Field Manager

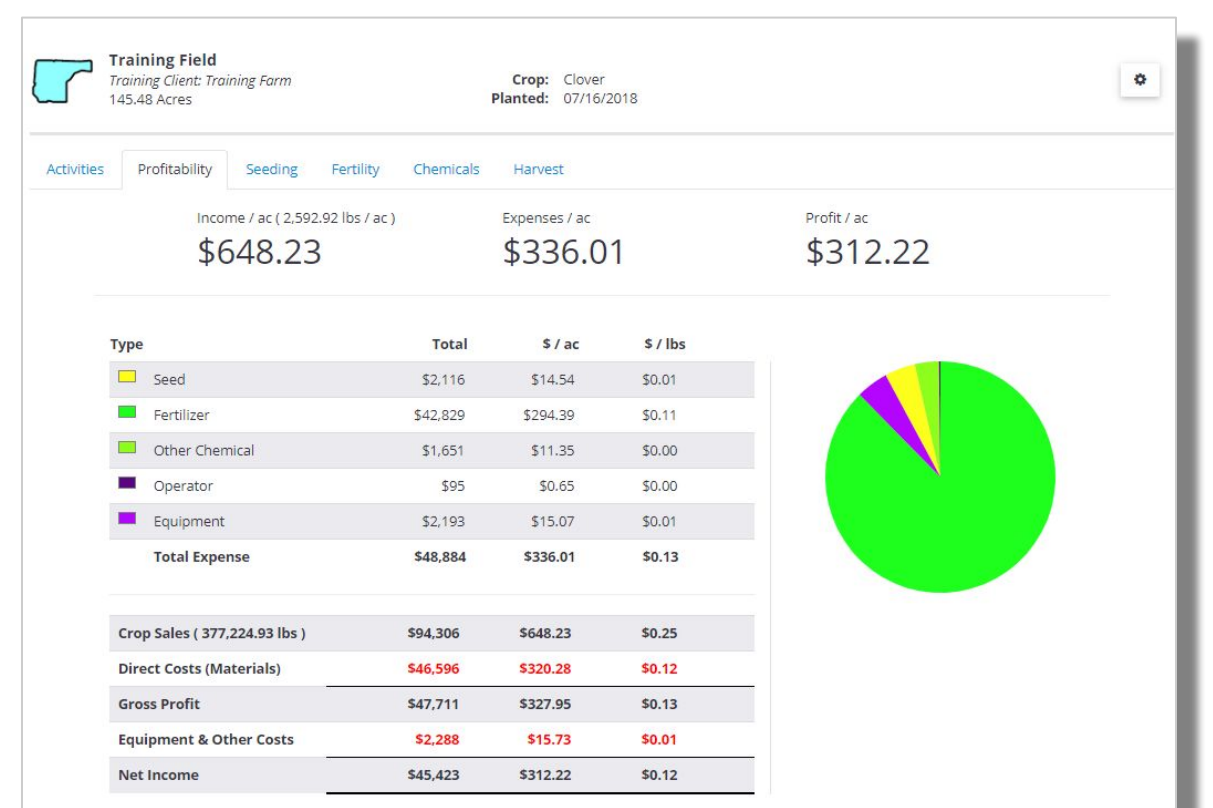
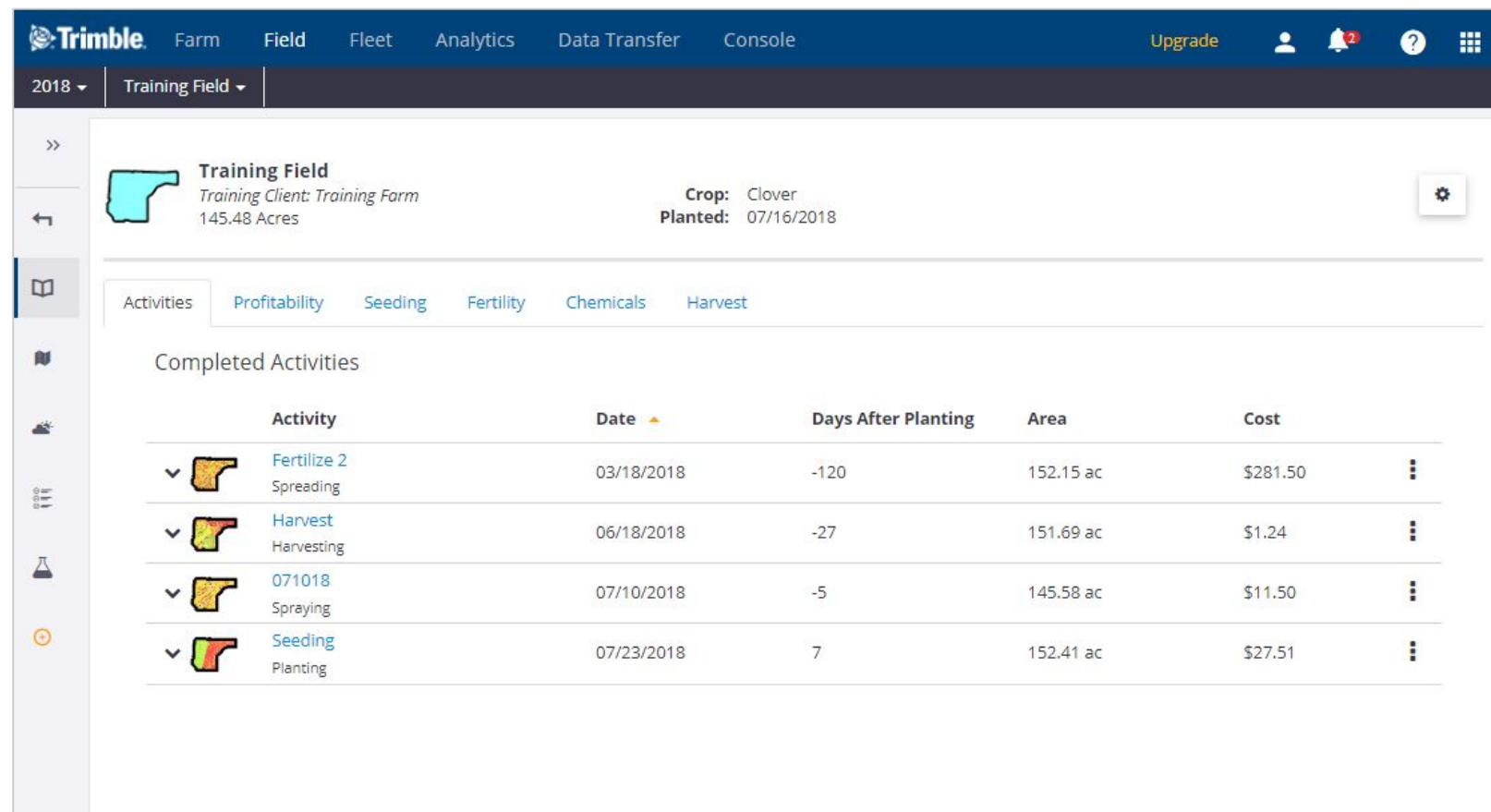
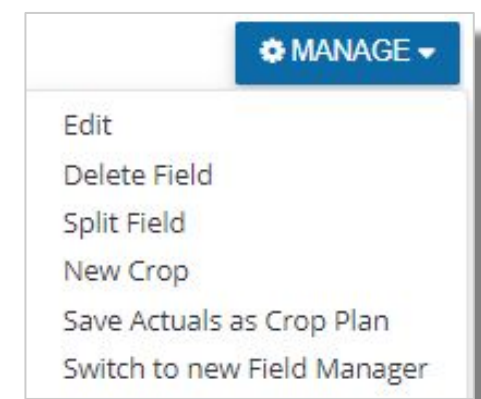
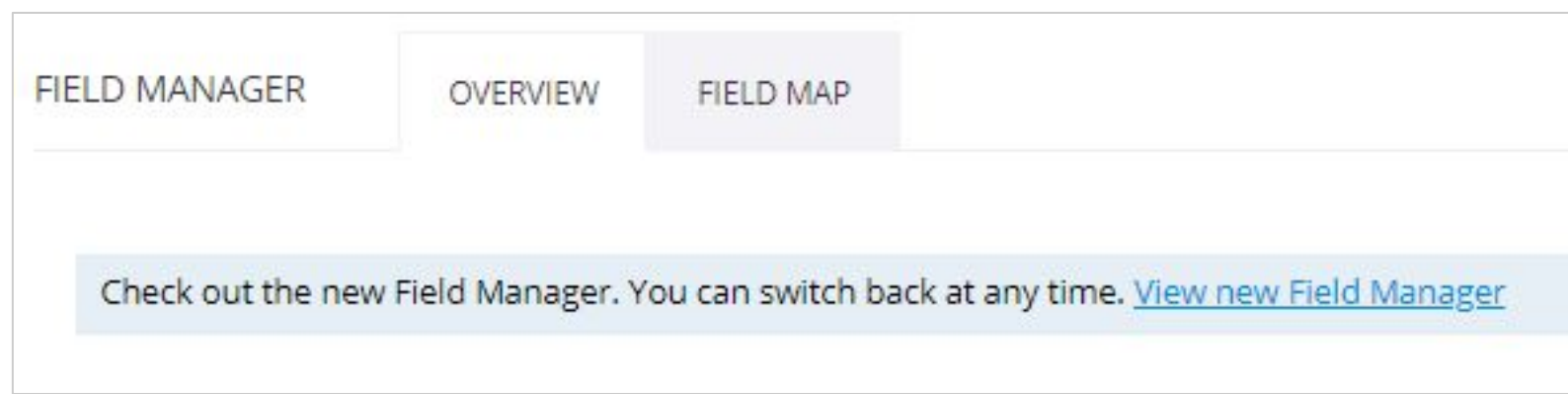


- Add a product application on Mobile App
- Use Farm Calendar



# Online | New Field Manager

## FARMER CORE ONBOARDING




### Using the New Field Manager

1. From **Field Profiler** > click on the desired field
2. If the Legacy Field Manager opens, select the link to View new Field Manager (or click the Manage button and select Switch to new Field Manger)
3. The Activities tab lists a summary of the Completed Activities for the selected field.
  - The Show incomplete option can be activated to include incomplete tasks
  - Expand any activity to see more details
4. The Profitability tab summarizes expenses and income for the field, categorized into expense type.
  - This information can be extremely valuable - cost information must be entered in the materials, equipment, and people properties to view total expense calculations




Watch this [video](#) to learn more.

## FARMER CORE ONBOARDING



## Using the Activity tabs

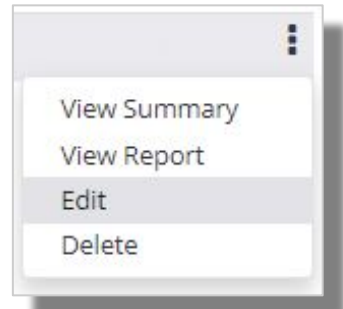
1. The Seeding, Fertility, Chemicals, and Harvest tabs summarize the field activities in each of these areas
2. Click the more button  on the right edge of any of these activities for additional actions
  - View Summary
    - Inputs view, map view, and yield cleaning for harvest activities
  - View Report
    - the Proof of Placement report for the activity
  - Edit
  - Delete



Watch this [video](#) to learn more.

# Online | New Field Manager

## FARMER CORE ONBOARDING



General Materials (0) Equipment (0) Operators (0) Conditions

Task Name \* Soybeans Spraying

Operation \* Spraying [Manage Operation Types](#)

Crop \* 2019 Soybeans (Gopherville) +

Start Date/Time 06/12/2019 8:00 AM

End Date/Time 06/12/2019 8:00 AM

Time Worked 0.00 hrs

Area 464.22 ac

Comments

Select Material(s)

Search

MY MATERIALS RECENT

Name	Balance
<input type="checkbox"/> 0-0-60+48Cl	0.000 ton
<input type="checkbox"/> 11-52-0	0.000 ton
<input type="checkbox"/> 16-16-16	0.000 ton
<input type="checkbox"/> 46-0-0	0.000 t
<input type="checkbox"/> 46-0-0	0.000 ton
<input type="checkbox"/> ALPINE G22	0.000 t
<input type="checkbox"/> canola	0.000 lbs

+ CREATE NEW

CANCEL ADD

Fertilizer 0-0-60+48Cl

Area Applied 464.22 ac

Cost \$358.00 / ton

Target Rate 0.00 lbs / ac

Actual Rate: 0.00 lbs / ac

Quantity Used 0.00 ton

Rate Type ☒ Flat Rate ☐ Variable Rate

Placement Choose...

MORE

CANCEL OK

Select Vehicle(s)

Unassigned

- ☐ 6120R Amazone
- ☐ Combine
- ☐ Combine 2
- ☐ Combine 3
- ☐ Row Crop Tractor
- ☐ Sprayer
- ☐ Tractor
- ☐ Vehicle for Uploaded Data

CANCEL OK

Select Operator(s)

- ☐ Jacob
- ☐ James Farmer
- ☐ John Farmer

CANCEL ADD

Conditions

+ GET WEATHER CONDITIONS

Weather

Temperature °F

Wind mph

Wind Gusts mph

Wind Direction Choose...

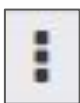
Humidity %

Soil Condition

Last Updated

CANCEL SAVE

### Edit a Task

1. Click the **More** button (  ) from any task item and select Edit
2. On the General tab, select what **Operation** you want to perform, **Crop** and **Date**
  - For this practice we selected Spraying and we will add a Fertilizer
3. Select the **Material** tab to edit or click **Add** to add more materials to the task
4. You can **Search** for Material, **Select** one from the list or even **Add** a new Material and click **Save**
  - Make Sure you Add **Target Rate** and **Placement Type**
  - **Quantity Used** will be calculated based on the Acres and Rate
  - Click in More if you want to add **Pass Number** and **Tank**, and then click **OK**
5. Go to **Equipment** tab and click **Add** to enter your Equipment and Implements for this task
6. Select the Vehicle from the list and Click OK.
7. Select the **Operator** tab, Add the Operator for this task
8. The **Conditions** tab allows you to enter the weather information.



Watch this [video](#) to learn more.



# Online | New Field Manager

## FARMER CORE ONBOARDING

Other Materials can be added in the same way as Fertilizers

1. Multiple Products
  - Pick multiple products from the **Select Material(s)** window
2. Seed:
  - Make sure the the **Cost** and **Target Rate** is entered to have **Quantity Used** calculated
  - Click in **Seed Source** to add more details such as Seed Source, Lot, Spacing, Depth, Grade, Primary or UrderSeeded.
3. Chemicals:
  - Enter Pre-Harvest Interval or Restricted Entry Interval as needed
  - Identify Sensitive area as needed
4. Lime
5. Tank Mix:
  - For the Tank Mixes, you're allowed to create a Mix right from this Tab
  - Click on **Ingredients** to **ADD** Ingredients to your Mix
6. Water



Watch this [video](#) to learn more.


# Online | New Field Manager

## FARMER CORE ONBOARDING

The screenshot displays the 'New Field Manager' interface for 'Soybeans Harvesting'. On the left, a sidebar menu includes 'View Summary', 'View Report', 'Edit', and 'Delete'. The main window is titled 'Completed Soybeans Harvesting' and features a 'Training Field - Flat - W' summary card with details: 'Training Client 1: Training Farm 1', '94.88 ac', '07/25/2019', and '8:00:00 AM'. The 'General' tab is active, showing 'Task Name \*' as 'Soybeans Harvesting', 'Operation \*' as 'Harvesting' (with a 'Manage Operation Types' link), and 'Crop \*' as '2018 Soybeans (Trainin...' (with a '+' button). Below this, a table lists harvest tasks. The first row is 'Soybeans' with 'Area' 94.882 ac, 'Price/Unit' \$0.00 / bu, 'Average Yield' 0.000 bu / ac, and 'Quantity' 0.000 bu. A 'Harvest Soybeans' modal window is open, showing input fields for 'Area Harvested' (94.88 ac), 'Price' (\$0.00 / bu), 'Average Yield' (35.41 bu / ac), and 'Quantity Harvested' (3,360.00 bu), with 'CANCEL' and 'OK' buttons. The main window also has 'CANCEL' and 'SAVE' buttons at the bottom right.

Name	Area	Price/Unit	Average Yield	Quantity
Soybeans	94.882 ac	\$0.00 / bu	0.000 bu / ac	0.000 bu

### Edit a Harvest Task

1. Select the Harvesting tab from the Field Manager screen
2. Click the **More** button (  ) on the harvest task item and select Edit
3. Enter the relevant task information on the General tab.
4. Click on the harvest line item to open the Harvest details window.
  - Enter Area Harvested, Price, Average Yield or Quantity Harvested, then click OK
5. Click Save to save the harvest task.



Watch this [video](#) to learn more.



# Online | Legacy Field Manager

FARMER CORE ONBOARDING

Seed

Date	Crop Type	Variety	Germ.	Mortality	Seed	Plants	Rate	Comments	Acres	Cost/Acre
5/12/2017	Corn - RR Primary	P7005AM	%	%	seeds/kg	plants/ha	28,000 Seeds/ac		65.21	50.40
2/22/2018	Corn - RR UnderSeeded/Refuge	P7005AM	%	%					65.21	

Fertilizer Application

Date	Comment	Placement	Type	Actual Nutrient (lb/ac)	Acres	Rate	Product (Blend)	Cost/Acre
	Starter In seed row	Seed Placed	Liquid	3-11-1-0	65.21	4.5 gal/ac	ALPINE G22	17.20
	Urea	Side band	Dry	75-0-0-0	65.21	163 lb/ac	46-0-0	26.90
	Side Band	Band	Dry	10-41-48-3-38.5Cl-0.2Zn	65.21	165 lb/ac	5-24-29-1-23.3Cl-0.1Zn	38.12
Total 87-52-49-3-38.5Cl-0.2Zn								82.22

Field Scouting / Product Recommendations

Date	Type	Stage	Status
Jun. 08, 2018	Field Scouter		

Fertilizer Application

Add Analysis, Manure or Compost

Pass #	Tank #/Size	Date	Comment/Zone	Placement/Type	Product	Price (tonne)	Acres	Rate	Cost/Acre
				Band Dry				lb/ac	

Select fields to apply application to.

Field ID	Farm Name	Field Name	Legal Desc.	Acres	Crop - Desc	Variety
<input type="checkbox"/>	867526	Chenier Farms	Ochsner E	150.79		
<input checked="" type="checkbox"/>	867573	Chenier Farms	13	65.21	Corn - RR	
<input type="checkbox"/>	1077211	Chenier Farms	west 7 - CropCare	63.99	Barley - 2 Row Silage	
<input type="checkbox"/>	1024002	CDN Farm	East Field - Corn	34.3	Corn	
<input type="checkbox"/>	1024002	CDN Farm	East Field - Soy	30	Soybeans	

Add Application Close Window

Product Application

Application Type: Ground

Sensitive Area: No Yes

Applicator Name:

Applicator Comments:

Crop Stage:

Spray Volume: gal

Applicator License No:

Product	Cost/Unit	Rate	Cost/Acre	Material	Comments	Target Pest	PHI	REI
Type in Product Name								hours

Field List

Field ID	Farm Name	Field Name	Legal Desc.	Acres	Crop - Desc	Variety
<input type="checkbox"/>	867526	Chenier Farms	Ochsner E	150.79		
<input checked="" type="checkbox"/>	867573	Chenier Farms	13	65.21	Corn - RR	P7005AM
<input type="checkbox"/>	1077211	Chenier Farms	west 7 - CropCare	63.99	Barley - 2 Row Silage	
<input type="checkbox"/>	1024002	CDN Farm	East Field - Corn	34.3	Corn	
<input type="checkbox"/>	1024002	CDN Farm	East Field - Soy	30	Soybeans	

Field ID: 867573 Field Name: 13 LLD: Date - Start: Date - End: Acres: 65.21 Weather: Temp: °F Wind Sp: mph Wind Dir:

Add Application Close Window Get Weather Condition



Update Events


Date	Type	Detail	Comments
	Mechanical	Field Preparation	

Select fields to apply application to.

Field ID	Farm Name	Field Name	Legal Desc.	Acres	Crop - Desc	Variety
<input type="checkbox"/>	867526	Chenier Farms	Ochsner E	150.79		
<input checked="" type="checkbox"/>	867573	Chenier Farms	13	65.21	Corn - RR	P7005AM
<input type="checkbox"/>	1077211	Chenier Farms	west 7 - CropCare	63.99	Barley - 2 Row Silage	
<input type="checkbox"/>	1024002	CDN Farm	East Field - Corn	34.3	Corn	
<input type="checkbox"/>	1024002	CDN Farm	East Field - Soy	30	Soybeans	

Save Close

1. Click into a **Field** through the **Jump to Field** quick search bar or by clicking **Field > Field Profiler > click desired field**
2. Click in the **Engine** button (  )to Switch back to Legacy Field Manager
3. Click the **Add New** button for **Fertilizers**
  - **Date:** Application date
  - **Placement/Type:** Band/Dry
  - **Product:** 11-52-0 (Dry)
  - **Price:** \$29.26/acre
  - **Acres:** enter as-applied acres
  - **Rate:** 160 lbs/acre
  - Click **Add Application**
4. Click the **Add New** button(  ) for **Chemicals**
  - **Application Type:** Ground
  - **Product:** Sortan IS
  - **Cost/Unit:** \$874/jug
  - **Rate:** 85 ac/jug
  - Click **Add Application**

 Trimble

77



# Online | Reviewing Applications

## FARMER CORE ONBOARDING

Trimble

Company Farm Field Fleet Analytics Workbench Data Transfer Console

Demo Farms 2018 13

Menu

Back

Overview

GIS

Weather

OVERVIEW

OVERVIEW

FIELD MAP

2018 Field Manager

Field Details # 867573

Field Name 13 - Chenier Farms

Legal

Crop Corn - RR

ADS Field ID 867573

# Acres 65.21

Variety P7005AM

Actual Yield

Irrigated No

Seeded Date

Harvest Date

MANAGE

OVERVIEW

OVERVIEW

FIELD MAP

Seed

Date	Crop Type	Variety	Germ.	Mortality	Seed	Plants	Rate	Comments	Acres	Cost/Acre
5/12/2017	Corn - RR Primary	P7005AM	%	%	seeds/kg	plants/ha	28,000 Seeds/ac		65.21	\$0.40
2/22/2018	Corn - RR UnderSeeded/Refuge	P7005AM	%	%					65.21	

Fertilizer Application

Date	Comment	Placement	Type	Actual Nutrient (lb/ac)	Acres	Rate	Product (Blend)	Cost/Acre
	Starter in seed row	Seed Placed	Liquid	3-11-1-0	65.21	4.5 gal/ac	ALPINE G22	17.20
	Urea	Side band	Dry	75-0-0-0	65.21	163 lb/ac	46-0-0	26.90
	Side Band	Band	Dry	10-41-49-3-38.5Cl-0.22n	65.21	165 lb/ac	5-24-29-1-23.3Cl-0.12n	38.12
Total								82.22

Field Scouting / Product Recommendations

Date	Type	Stage	Status
Jun. 08, 2018	Field Scouter		

Product Application

May. 29, 2017 12:00 PM - 01:00 PM

Acres: 65.21

Application Type: Ground

Spray Volume: 5 gal

Product	PCP #	Cost/Unit
Sortan IS - (2)	32627	874.00 jug
ROUNDUP TRANSORB HC - (9)	25344	6.13 l

Product Application

Application Type Ground

Sensitive Area No Yes

Applicator Name

Applicator Comments

Crop Stage

Spray Volume 5 gal

Applicator License No

Product	Cost/Unit	Rate	Cost/Acre	Material	Comments	Target Pest	PHI	REI
Sortan IS	874 jug	80 ac/jug	10.93	0.82 jug				hours
ROUNDUP TRANSORB HC	6.13 l	0.66 l/ac	4.05	43.04 l				hours

Field ID	Field Name	LLD	Date - Start	Date - End	Acres	Weather	Temp	Wind Sp	Wind Dir
867573	13		2017-05-29 12:00 PM	2017-05-29 01:00 PM	65.21	Sunny	65 °F	11 mph	SE

Update Delete Close Window

Get Weather Condition

1. Click into a **Field** through the **Jump to Field** quick search bar or by clicking **Field > Field Profiler > click desired field**
2. **Field Details** can be edited by clicking **Manage > Edit**
  - After edits have been made, click **Save**
3. **Expense Breakdown** area is a summary of the costs associated with each field event. These costs make of the fields **Cost of Production (COP)**
4. All other areas below the expense breakdown are the various **Field Events**. Click the **Edit icon** (📝) to edit any of the **Event** details.

Please note that if you have Verified any task data through the Equipment Activity page then your event details will auto fill in this area as well.

# Online | Proof of Placement Reports

FARMER CORE ONBOARDING

The screenshot displays the Trimble Field Manager interface. The top navigation bar includes 'Farm', 'Field', 'Fleet', 'Analytics', 'Data Transfer', and 'Console'. The left sidebar shows a 'Menu' with options like 'Back', 'Field Manager', 'GIS', 'Weather', 'Equipment Activity', 'Lab Data', and 'More'. The main content area shows 'Completed Activities' for 'Brian Field' (44.4 Acres). A table lists activities, with one highlighted: 'Fertilize Spreading' on 02/07/2019, covering 48.46 ac at a cost of \$120.87. A modal window provides details for '500b - CORN PLANTING 5-13-16 - Done', including a coverage map, farm information, and a table of seed and equipment data. A red box highlights the 'View Report' option in the activity's menu, with a red arrow pointing to the activity card.

**Completed Activities**

Activity	Date	Days After Planting	Area	Cost
Fertilize Spreading	02/07/2019		48.46 ac	\$120.87

**500b - CORN PLANTING 5-13-16 - Done**

MAIN STATION: 500b  
Brent Chenier - Core Planting

Start: 05/13/2016 11:53 AM  
End: 05/13/2016 1:00 PM

2.69 ha

**Seed**

Seed	Variety	Hectares	Actual Rate	Quantity	Cost/ha
Corn	DEKALB DKC43-48RIB	2.69	83,549.78 lb/ac	224.42 kS	0.00

**Equipment**

Equipment	Hectares	Cost/hr	Cost/ha
Tractor 1	2.69	0	0.00
MONOSEM	2.69		0.00

**Total Cost/ha** 0.00

1. If application information is uploaded via equipment activity, you can also print a **Proof of Placement** report for infield applications, which would also include the uploaded coverage map
  - After **verifying** the task in equipment activity, go to the **Field Manager**
2. Click **View Report** from the options button for that activity

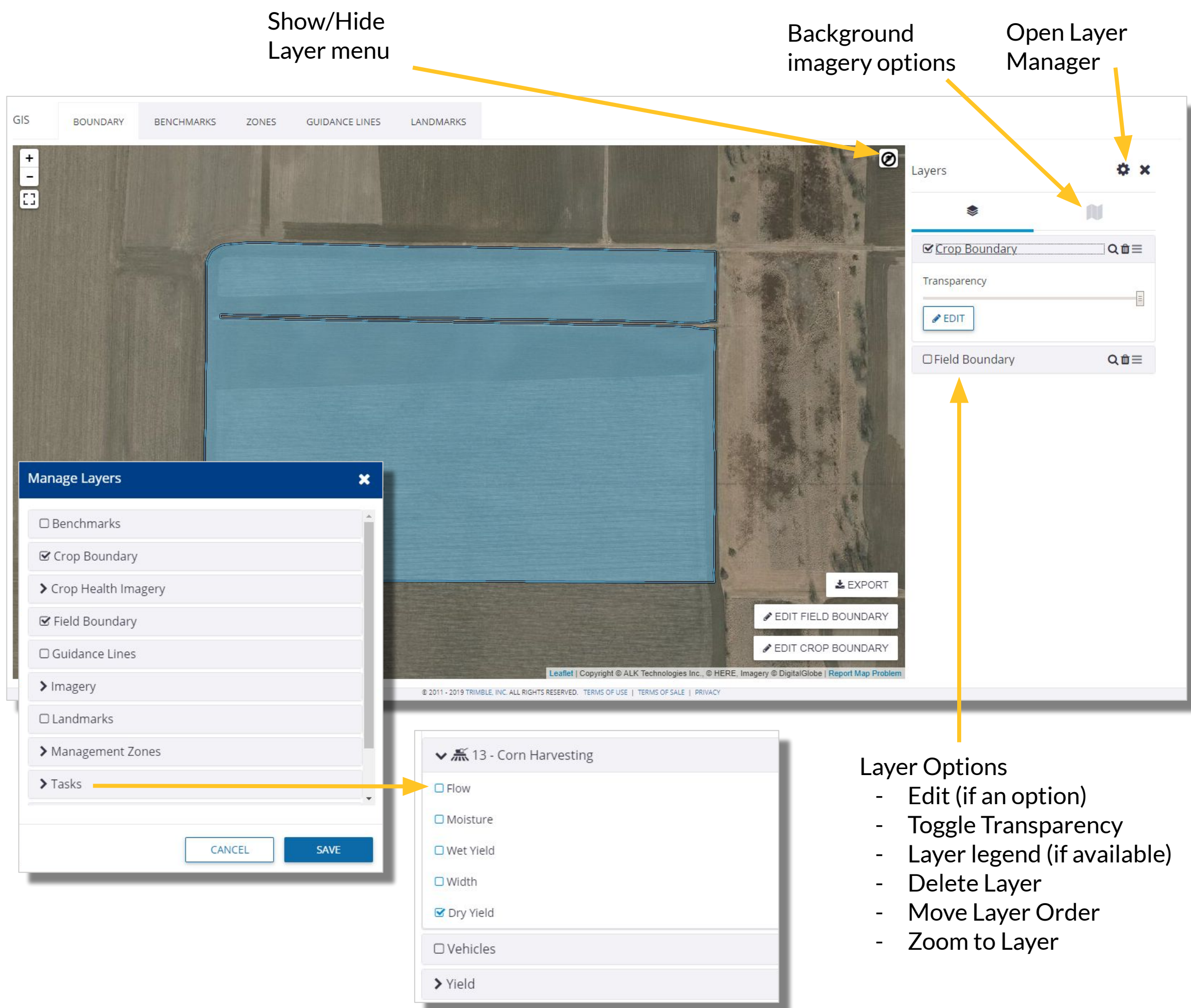
0.5

# Coverage Maps and Guidance Lines

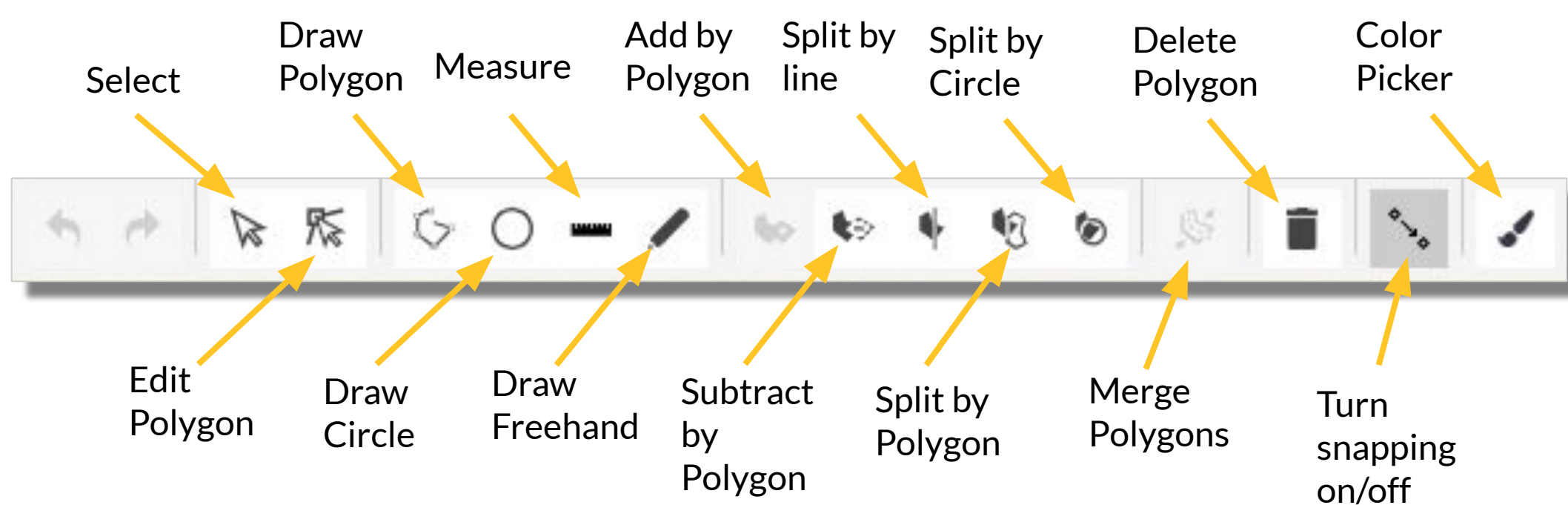


# Online | GIS tools

## FARMER CORE ONBOARDING



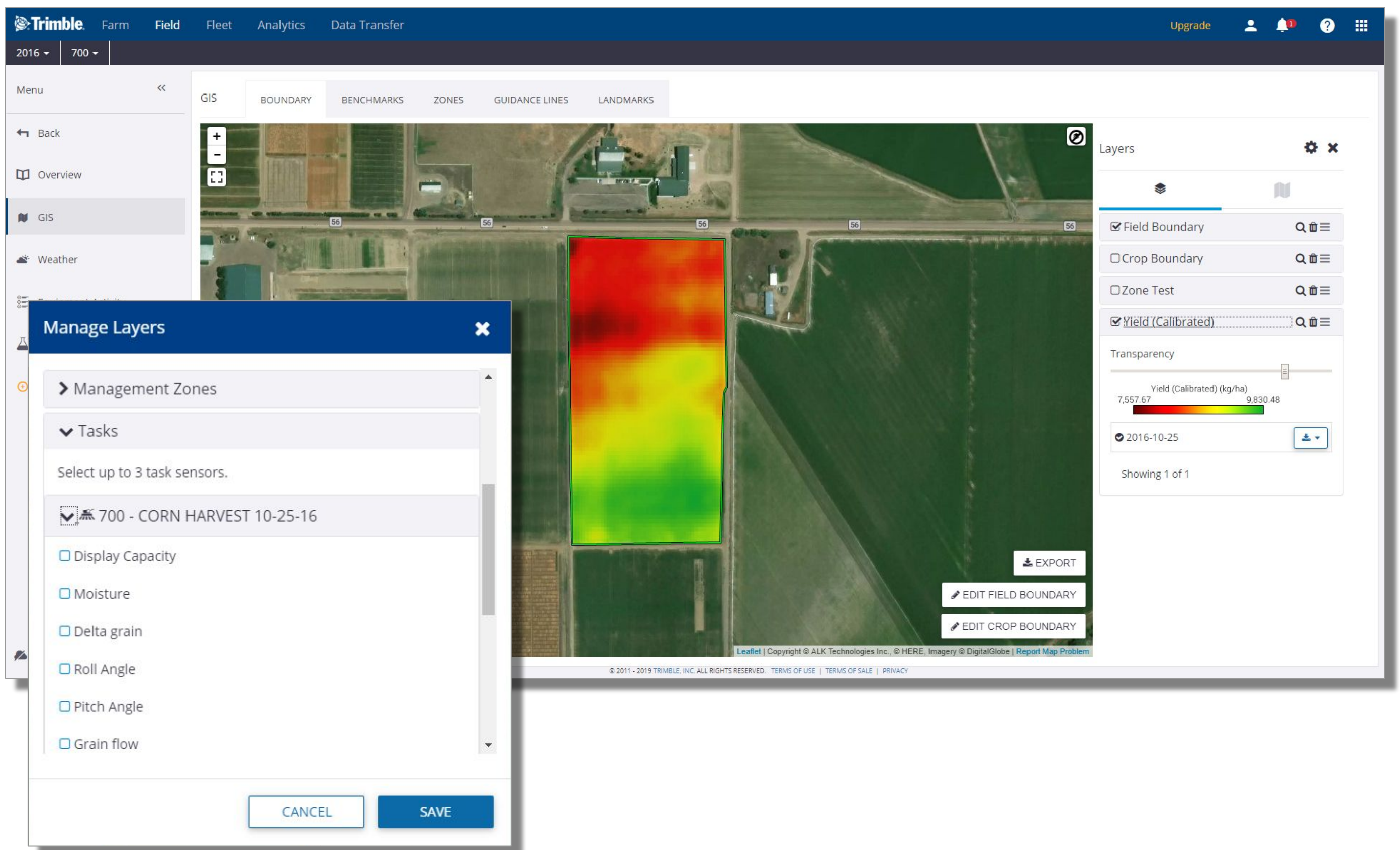
### GIS Editing Tools (used when editing Zones or Field Boundaries):










# Online | Map Layers

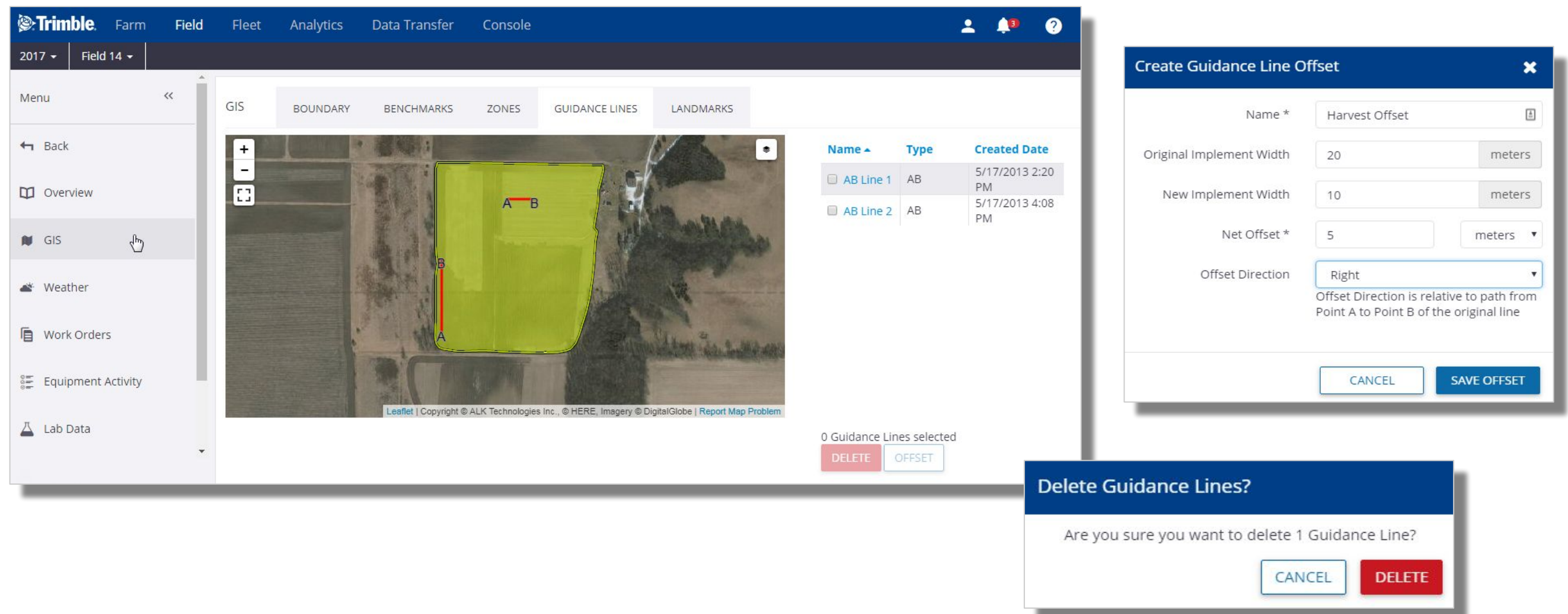
## FARMER CORE ONBOARDING



1. When at the **Field** level, click the **GIS** tab on the left side
2. Open the **Map Layers** tab by clicking the **Layers** button (  )
3. Click the gear button (  ) to open the **Manage Layers** menu
  - **Check off** all layers you wish to add to the map > click **Save**
4. Click on the Layer in the Layer table to:
  - Review the Legend
  - Adjust Transparency
  - Chose layer dates (Task data, Yield data, CHI)
5. Use the following tools in the **Layer** list
  - (  ) **Move** the Layer Order
  - (  ) **Zoom** to the Layer
  - (  ) **Delete** Layer

# Online | Guidance Lines

## FARMER CORE ONBOARDING



1. Click **Field** tab > **Select the Field**
  - Click the **GIS** tab > Select the Guidance Lines tab
  - To view **Guidance Line Properties**, click on the line name in the right hand column
2. Create **Offset**
  - Place a checkmark next to the original line
  - Click the **Offset** button
  - Define the parameters in the **Create Guidance Line Offset** window, be sure to provide a relevant name for the new line.
3. **Delete** Guidance Line
  - Place a checkmark next to the original line
  - Click the **Delete** button

**John Deere Guidance line update:** Guidance lines produced from John Deere equipment can now be used alongside other display types, i.e. Trimble, Agco, etc., enabling Trimble Ag softwares user to run mixed fleets within their operations. When exporting from JD to another format, the user will be prompted with the following notice.

*“Notice: Due to potential variations between manufacturers guidance systems, guidance line repeatability and position accuracy may degrade as field work occurs further away from the master AB line.”*

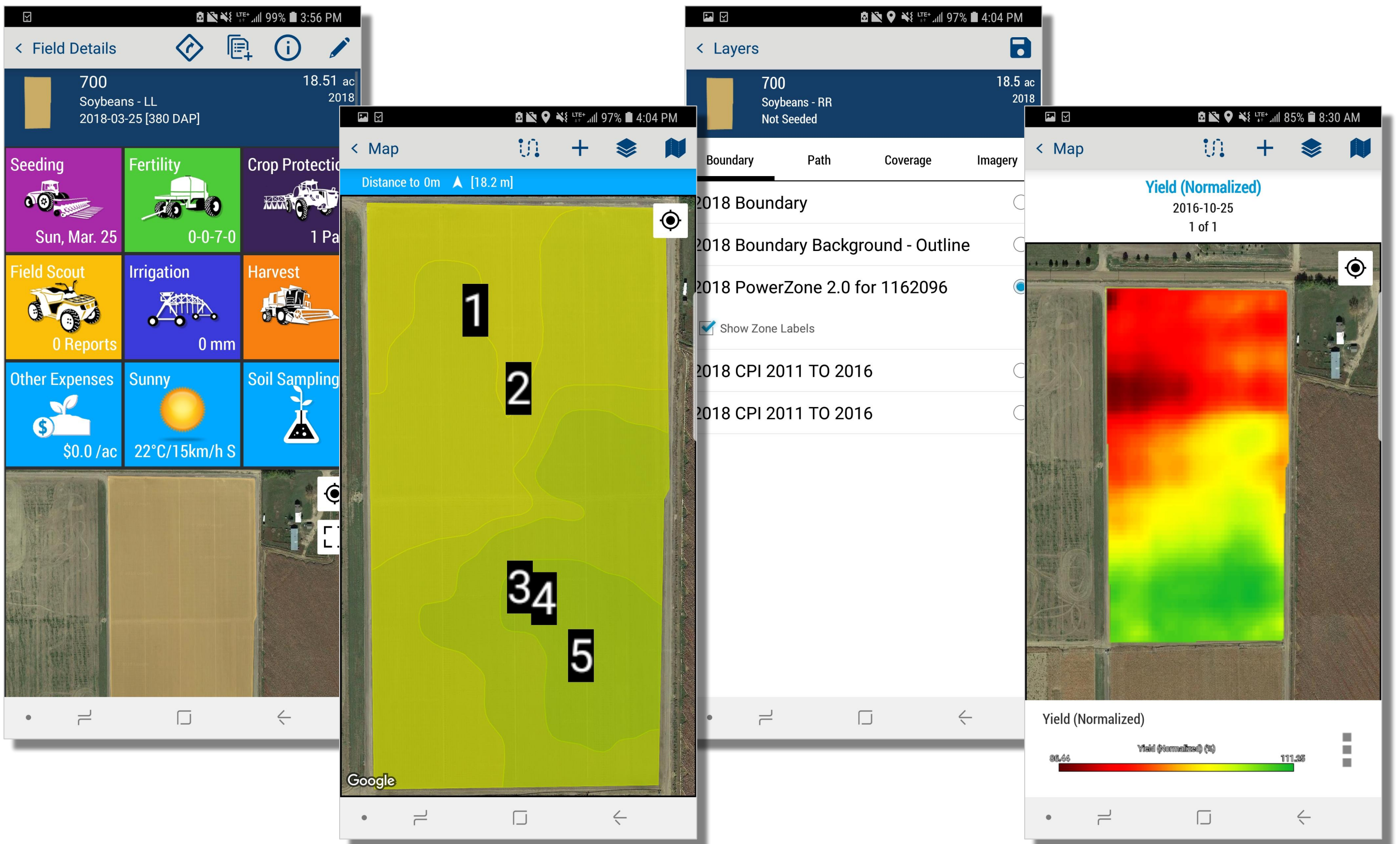












Watch this [video](#) to learn more.



# Mobile | Map Layers

## FARMER CORE ONBOARDING



1. You can turn on various mapping layers from any of the mapping windows, ie. Field page, Scouting page, etc.
2. Tap the **Expand** button (  ) > find and tap on the desired layer > tap **save**
3. Some surface layers have multiple layer options. Tap the 3 buttons (  ) beside the legend to view other related layers.
4. For CHI, tap the **left** and **right** (    ) arrows to cycle between different imagery dates.
5. Tap the **Locate** button (  ) to zoom to your location
6. Tap the **Plus** symbol (  ) to drop a **Benchmark** point
7. Tap the **Background** layer button (  ) to choose a different background image
8. Tap the **Path** button (  ) to log a walked or driven path.
9. Tap the **Layer** button (  ) to open the layer menu so you may turn on a different surface layer, i.e Yield, Zone, CHI, etc.
  - Tap on the desired layer > tap **Save** to turn on a different layer

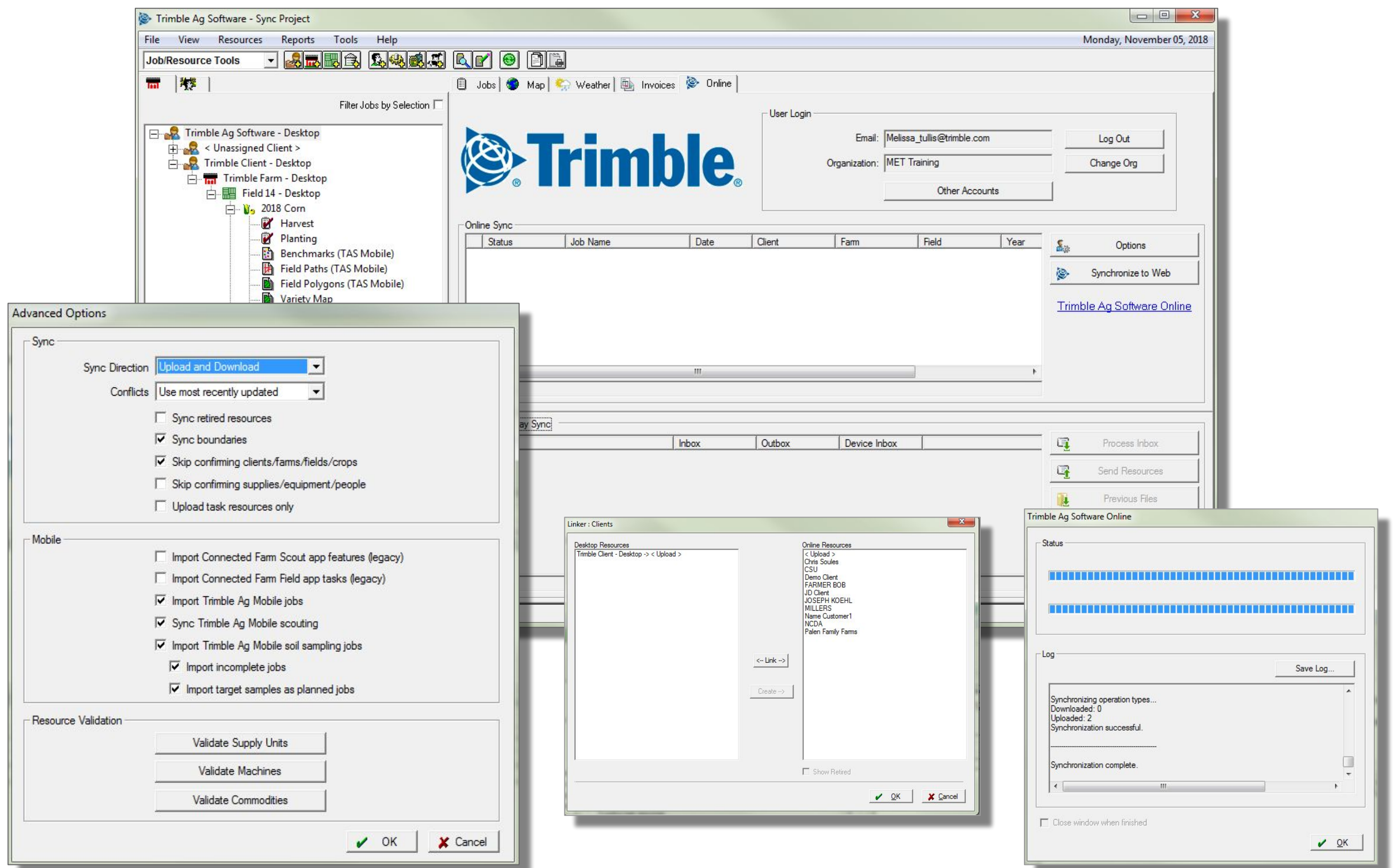
0.6

# Desktop Sync



# Online| Sync from Desktop: Resources

## FARMER CORE ONBOARDING



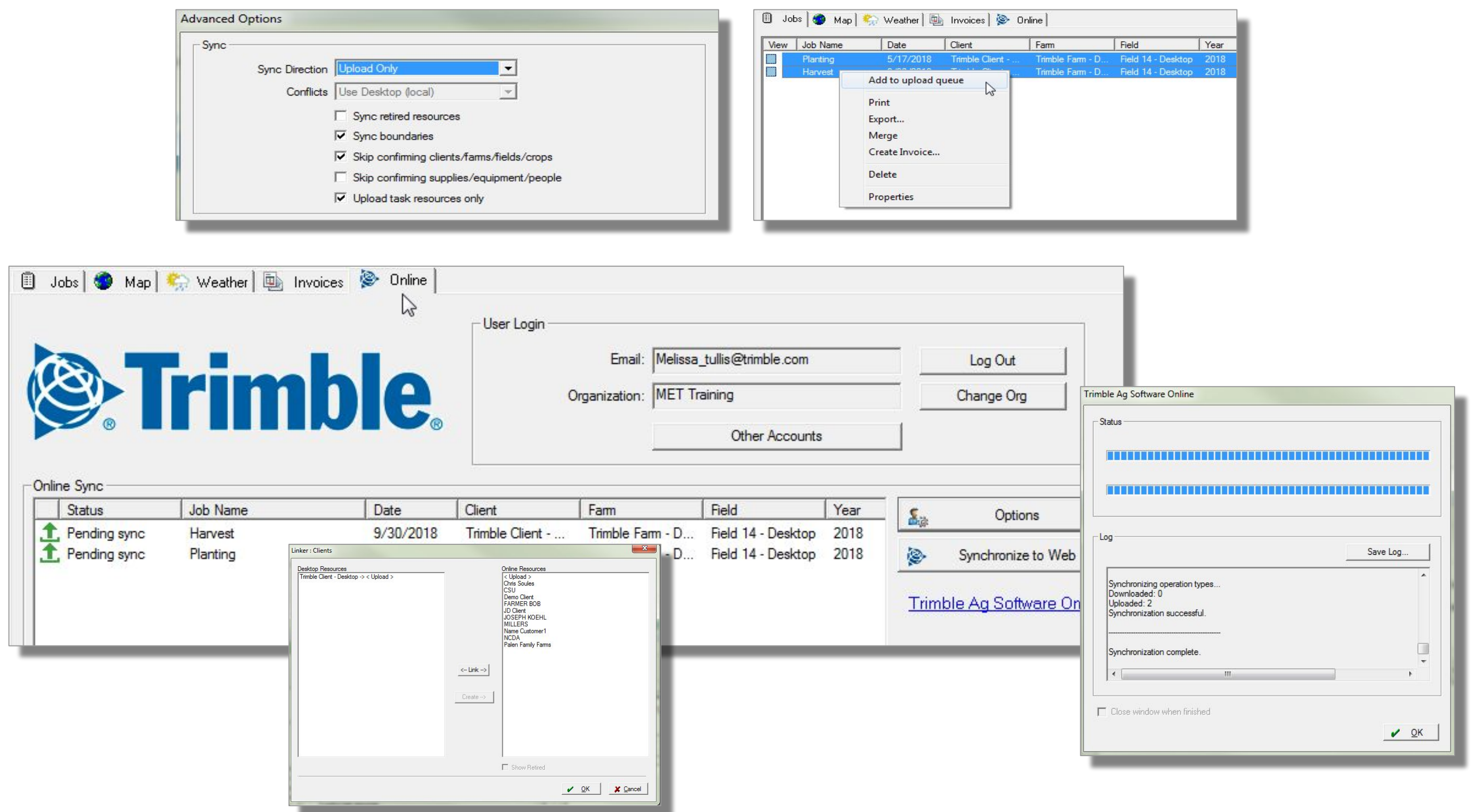
1. Open the Desktop Software
  - Click on the **Online** Tab
  - Enter the email address for your Online Account
  - Select the Organization with which you want to sync
2. Click **Options** in the Online Sync section
  - Configure the **Sync Direction**
  - Configure **Conflicts** for resolution priority
  - Configure Sync checkbox options
  - Configure Mobile checkbox options (only available if Upload and Download Sync Direction is selected)
  - **Validate Supply Units, Validate Machines, and Validate Commodities** to check for any differences in units used in Desktop and Online
  - Click OK to save the options
3. Click **Synchronize to Web**
  - Work through any Linker boxes that appear to process data from Desktop to Online and Online to Desktop as appropriate
  - The status window will track the progress of syncing
    - be sure to click **Save Log** if any errors were noted during the sync process the log may help with troubleshooting the cause of the error

The Resources sync includes Client, Farm, Field, Crops, Crop Enterprise, Machines, Operators, Inputs, Boundaries



# Online| Sync from Desktop: Task Data

## FARMER CORE ONBOARDING



1. Open the Desktop Software
  - Click on the **Online** Tab
  - Enter the email address for your Online Account
  - Select the Organization with which you want to sync
2. Click Options in the Online Sync section
  - Configure the **Sync Direction**
  - Configure **Conflicts** for resolution priority
  - Configure Sync checkbox options
  - Configure Mobile checkbox options (only available if Upload and Download Sync Direction is selected)
  - **Validate Supply Units, Validate Machines, and Validate Commodities** to check for any differences in units used in Desktop and Online
  - Click OK to save the options
3. Click the Jobs tab
  - Right click on the task to sync - select Add to Upload Queue (use the CTRL key on the keyboard to select multiple tasks from the Jobs tab)
4. Click Synchronize to Web
  - Work through any Linker boxes that appear to process data from Desktop to Online and Online to Desktop as appropriate
  - The status window will track the progress of syncing

Task Data will sync to Online along with the Resources if the tasks have been added to the Upload Queue

5. There is an option to Upload task resources only that will limit the resources upload to only those related to the tasks that have been selected