

Getting Started with Farmer Core

User Guide for Trimble Ag Software | Farmer Core



Edition 6 | November, 2020

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 use the newest functionally Work Orders to manage your farm operations. Last, learn how to bring other data from an API connection or USB drive into Farmer Core and how to print proof of placement reports.



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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, AutoSync and Work Oders features
- 5. Read Equipment Data API or USB
- 6. Proof of Placement Report



0.1

Account Setup and User Access



Online Account Setup

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
- $\circ~$ Login on TAS Mobile Account

Online | Login

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| | Email address | | |
| | Password | | |
| | Sign in | | |
| | Stay signed in F | orgot password? | |
| | Create new Trimb | le ID | |

- 1. Go to: 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



- 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.

Online | Software Settings

FARMER CORE ONBOARDING

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- 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.



Online Support

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- The Software Support page can be reached by clicking on the Support button (2) > 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)



Mobile | Support/Settings

FARMER CORE ONBOARDING

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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 autosync when open every 1, 5 or 15 minutes, avoiding the need to manually sync your device



Watch this <u>video</u> to learn more.



0.2

Planning Crop Season



Online Planning Season

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

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| | | | | Nan | ne | | Job | Title | Home | | Mobile | | Email | | | | |
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| | | Home | | | | | | ccess Equipment Op | | | - | 51 | atus Active | • | | O M | anage |
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| irst Name * Jimmy | | Fax | | | | | | to let them know they ha | ve access | | | | N Ø 1234 | | | | |
| Last Name Farmer | | | | | | | Web and Mobile | A | | | | | | | | | |
| | | | | | | | Organizat | ion Administrator | | | | | | | | | |
| Job Title Manager | | | | | | | Ø Operator Mobile Only | Manager | | | | | | | | | |
| Email jimmy@em | ail.com | | | | l≥ | | Time Tracker only | | | | | | | | | | |
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| | | | | | | | | | CANCEL | SAVE | | | | | | | |

- 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

| Strimble. F | | Field | Fleet | Analytics | Data Transfer | | | | | ⊥ ♠ ② Ⅲ |
|---------------|---|-------------|------------------------|----------------------|--------------------|------------------------------|--------------------------------------|----------------|---------------|----------------|
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| | | 4 Dig | git PIN * | 0 | | | | | | |
| | Pr | recision-IQ | Access | 6 Ful | ll Access | ¥ | | | | |

- 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:

- $\circ~$ 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

| » | EQUIPMENT | VEHICLES | IMPLEMENTS | IRRIGATION SY | STEMS DEVICES | | | | |
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| ń | | Ô | | | | | 0 | Show Retired (*) | + ADD VEHICLE |
| s | Name | | Туре | | Group | Cost | Profi | les 🕕 | Â |
| | 🔲 Bob's Spray | yer | Sprayer | | | \$0.00 / hr | | | ľ |
| | Challenger | MT 600E MT685E | Generic | | | \$0.00 / hr | 1 | | đ |
| പ | Claas 430 A | rion | Tractor - I Crop | /ledium Row | EMEA | \$70.00 / hr | | | đ |
| | CSU JD 6R | | Tractor - I Crop | /ledium Row | Tractor - Small Ro | w Crop \$0.00 / hr | | | đ |
| 8 | CSU JD 782 | 0 | Tractor - I | arge Row Crop | Tractor - Large Ro | w Crop \$70.00 / hr | | | đ |
| on | | : | × Tractor - I | al EQUIPMENT | VEHICLES IMPLEMENTS | IRRIGATION SYSTEMS DEVICES | | | £ |
| | | | Tractor - I | .al | ies | | | | - 111 |
| | | | Tractor | | Name * Manufacturer * | CSU JD 7820 | | | |
| ر | S | - 🥐 | Generic | Change Icon | Vehicle Type * | John Deere Tractor - Large Row Crop | • | Device Settings | |
| 0 | Combine Floater | Sprayer | Generic | | Equipment Group | Tractor - Large Row Crop | • + | FmX - 51 2 | |
| n 🖣 | کھ 📚 | . Je | Tractor | | Unit Cost | \$70.00 | hr | Active Display License Expires 01/29/2020 | |
| 1 | Tile Plow Tractor | Articulated 4WD | Tractor | | Attached Devices | 51 2 (FmX) - CSU 7820 - CSU JD | • • | Expires 01/29/2020 | |
| | _ | 4WD | Generic | | Display Device | License Expires 01/29/2020 Settings | | | |
| 7 | | R | _ | | Telematics Device 🜖 | 51 8 (DCM-300) - 51 8 | • • | | CANCEL |
| 9 Si | ugarcane | ** | | | Delay Response Threshold 😗 | Choose | • Thresholds | | _ |

- 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 <u>video</u> 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 Syncing Features |
|-------------------------------|---|---|
| Sierra Wireless RV55 | GFX-350 [™] Display GFX-750 [™] Display FmX® Integrated Display TMX-2050 [™] Display CFX-750 [™] Display AG-372 Receiver | AutoSync™ (PIQ only) Office Sync |
| Sierra Wireless GX450 | GFX-350™ Display 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

| Trimble. | Farm Field | Fleet | Analytics | Data T | ransfer | Console | | | . . | ? | |
|-----------------------|------------------|-----------|----------------|-------------|-----------|---|-------------------|--|--------------|--------|----|
| 019 - Jump | to field 👻 | | | | | | | | | | |
| lenu | ~ | EQUIPN | IENT | VEHICLES | IMPLEMEN | TS IRF | RIGATION SYSTEMS | 5 DEVICES | | | |
| Home | | ۰ ME | RGE 📋 | | | | | □ Show Retir | ed (*) + ADD | IMPLEM | EN |
| Dashboard | | Imple | ement | | Gro | up | | Cost | Profiles 🔒 | | |
| | | 🗆 Air | Seeder | | | | | \$0.00 / ac | 1 | Ø | |
| Profile | | 🗆 Ar | nie | | | | | \$0.00 / ac | 1 | ľ | |
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| 🖥 Inputs & Mat | prials | G | eaner | | | | | \$0.00 / ac | | ľ | |
| | EQUIPMENT | VEHICLES | IMPLEMENTS | IRRIGATION | N SYSTEMS | DEVICES | | - E | 1 | Ø | |
| Commodities | Implement Pro | operties | | | | | | | | ß | |
| Storage | Name | * Air See | der | | | Profile | s | | - P | ľ | |
| | Operation Typ | | | • | | Profiles a | are created on vo | ur display and use ad | ditional | Ø | |
| | | | - | | F | details to | o complete tasks | on your display. Muti pment has more that | ple profiles | | |
| | Equipmer Grou | | Ignea | | | | ed Displays | prinerie nas more enar | r i secupi | | |
| | Unit Co | st | / ac | | | • GFX-7 | | | | | |
| | | | | | | TMX-2 XCN-1 XCN-2 | 050 | | | | |
| | | | | | | | | | 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. Implement profiles are created on your Trimble display as usual which are tied to the Implement properties created in Online. Multiple profiles can be associated with one implement name where applicable..
- 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 <u>video</u> to learn more.

Online | Auto Asset Detection

FARMER CORE ONBOARDING



Beacon

Save Time Setting Up Display Tasks

Beacons automatically connect your implements to your display when you're in range.

Requires a GFX-750, GFX-350, XCN-1050 or XCN-750 display. Contact your dealer to learn more.

| () Trim | ible . Farm | Field | Fleet | Analytics | Data Transfer | | | | : | A ? | : |
|------------|--------------------|----------------|-------|------------|-------------------------------------|---|---------------|-------------|--------------------|--------------|------|
| 2020 - | Jump to field 🗸 | | | | | | | | | | |
| » | EQUIPMENT | VEHIC | LES | IMPLEMENTS | IRRIGATION SYSTEMS | SOIL MOISTURE PROBES | DEVICES | | | | |
| ÷. | @ MERGE | ŵ | | | | | | | □ Show Retired (*) | + ADD IMPLEN | ИЕМТ |
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| ۵ | | | | | © 2011 - 2020 TRIMBLE, INC. ALL RIG | HTS RESERVED. TERMS OF USE TERMS OF S | ALE PRIVACY | | | | |

When using Trimble's Auto Asset Detection Solution with Bluetooth Low Energy (BLE) beacons with AutoSync turned on, the Beacon IDs will synchronize to the Economic Vehicle that they are associated with in Online and synchronize out to other connected devices.

- 1. Open the Vehicles>Implement screen in Online
- 2. Active Beacon IDs for the Auto Asset devices will be listed in the Beacon column.
 - Note: Beacons are setup on the display using the Auto Asset Detection App.



0.2.c

FarmStream Fleet



Online FarmStream Fleet

Objective: Learn the fleet monitoring features

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

Online | Fleet Management

FARMER CORE ONBOARDING

| Minu C Minu C <th></th> <th></th> <th></th> <th>Farm</th> <th></th> <th>Fleet</th> <th>Analytics</th> <th>Data Tr</th> <th>ransfer</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th>± 4</th> <th>\ ? ∥</th> <th></th> <th></th> | | | | Farm | | Fleet | Analytics | Data Tr | ransfer | | | | | | | | ± 4 | \ ? ∥ | | |
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| | | æ | Vehicles | | | Vehic | le List | | | ted - | Last Known Status 🕚 | Engine Hrs | L | ast Location | | | | | | |
| | | | Alerts | | | | | | | | | | | | | | | | | |
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| | | Ť | operators | | | | | *** | | | | | | | | | | | | |
| <pre></pre> | | h. | Utilization | | | | - | cer | | | | | | | | | | Ð | | |
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| | | | | | | 4 | APMD #1 | A | | | no current status | 0.00 | U | nknown | W | Seawark's Farming | | | Seawarth JD 72608 | 11.01/2016 7.00.0 |
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| tert oral orad oral | | | | | | | | | 0 hours ago | | • Off | 2,947.00 | Ir | 12 | 17 | Scaverth's Ferning | Carlana | | Seawards (D 72008 | 10/36/2012 7:00 |
| • 01/2 r 2017 | | | Date: | | | | Duration in P | ours: 24 | | Moving 0 Cipercing | | 71.90 | 7 | 00(3 days ago) | | | | _ | | |
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| • COUPERSINE • COUPERSIN | CSU JD 7820 | | | hours Worki | ing Moving S | topped Machin | e States | | | | - | | _ | _ | | _ | _ | | а. | |
| | 🛛 轟 CSU JD 8295R | | | | 0.00 | | | | | | | | | | | | | Availability | | |
| 2 3 saverh () 2730 2 1 0 |) 🚑 NH T8.435 | | Seawort! | | | | | | | | | Operator Name | Login | Job Title | | Groups | | | | |
| • former: () 0.1% former: () | Seaworth JD 7260R | 11 | | | | | | | | | | | | | | 65116-1 7 | | | ч. | |
| * 6 Samon (), 0.1300 * 6 Samon (), 0.1300 <td< td=""><td>Sesworth JD 8235</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>5</td><td></td><td>CSU Staff</td><td></td><td></td><td>÷.</td><td></td></td<> | Sesworth JD 8235 | | | | | | | | | | | | | 5 | | CSU Staff | | | ÷. | |
| ctext-shallback Opp O All CU Suff Testing O All * | Seaworth JD 8320R | | | | | | | | | | | Demydenko, Sergii | Demydenko | | | Trainee | | Active | | |
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| | | | | | | | | | | | | Hodson, Kevin | 124 | | | | | Active | | |

- 1. Click Fleet tab
 - a. View and Manage the vehicles in your fleet
 - b. Configure Alerts
 - 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.

Fleet data transmission display setup is completed using the FarmStream plugin for FmX, FmX+ or the Productivity app with PIQ



Watch this <u>video</u> to learn more.



Online | Operators

. Farm Field Fleet Data Transfer 💶 🌲 📀 🏢 Menu « Availability Operator Name Login Job Title All Group A Vehicles James Farme Ø Farmer, James Active Alerts Ø Farmer, John John Farmer Active Ø Operator, Joe Joe Operato Active Operators Ð L Utilization 1. 🐣 🛛 Fleet Map Syncing turned off Availability All MANAGE Operator Name Login lob Title Groups • csu New Operator Farmer, James James Farmer Active New Operator Group Farmer, John John Farmer Active Send To Vehicles Import Operators Joe Operator Active Operator, Joe Export Operators 2. Print QR Codes Success Send Operators to Vehicles Succeeded

- 1. Add New Operators
 - a. Select Manage > New Operator
 - b. Configure Contact Properties
 - c. Select the Equipment Operator tab to include Applicator License, assign to a Group (optional), and configure Trimble Display Access
- 1. Send To Vehicles: Send the list of operators to connected FmX displays
 - a. Select Manage > Send to Vehicles
 - b. Select the operator names
 - c. Select the vehicles
 - d. Click the Send button
 - → Please note this functionality is only for FmX displays:
 - TMX displays utilize the Operators App to download the list of operators
 - PIQ displays utilize AutoSync to sync the list of operators from Trimble Ag Software



Online | Vehicles and Groups

FARMER CORE ONBOARDING

| imble . Far | n Field | Fleet Analytics D | | | | | 🔺 🌲 📀 🎟 🗖 |
|--------------------|-----------------|----------------------------|---------------------------------------|-------------------|------------|---------------------------|--------------------------------------|
| - Jump to fie | ld - | | | | | | |
| u | ~ | Vehicle Name or Alert Name | e | | | | 🌣 MANAGE 🕎 |
| Vehicles | | Vehicle List | Date Last Reported - Relative Time | Last Known Status | Engine Hrs | Last Location | Manage Groups |
| Alerts | | O Combine | | | | | New Vehicle Delay Thresholds |
| Acto | | O EMEA | | | | | Export Vehicles Configure Columns |
| Operators | | O Generic | | | | | Œ |
| Utilization | | O Sugarcane Harvester | | | | | Ŧ |
| | | O Tractor | | | | | Ð |
| | | Tractor - Large Row C | | | | Unknown | ± |
| | | | A | no current status | 0.00 | 2(7 days ago) | |
| | | CSU JD 7820 | 7 days ago | no current status | 5,621.60 | | |
| | | 🦾 CSU JD | 8 hours ago | Off | 2,947.00 | Manage Vehicle | e Group |
| | | 8295R | an hour ago | Off | 71.90 | | |
| | | Seaworth | 12 minutes ago | Working | 0.00 | | + |
| | | JD 7260R | | | | | |
| | | | | | | Choose | • 🖉 🛍 |
| _ | | | | | | Choose Combine | |
| N | /lanage \ | /ehicle Group | × | | | CSU | |
| | | | | | | EMEA Farm A | |
| ſ | New Grou | p Name | +. | | | Generic | |
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| | | | | | | Northeast Farm Sprayer | ~ |
| | Choose | , | • 🕑 🛍 | | | Sugarcane Harve | ster |
| | | | | | | Test | |
| | | | | | | | |
| | | | | | | Tractor | |
| | _ | | | | | Tractor - Large R | |
| | _ | | | | | | |

- 1. Click Fleet tab > Vehicles
 - View a list of Vehicles that have been added in your organization
- 2. Manage Vehicles by clicking 🏶 MANANGE 🔻
 - 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 CORE ONBOARDING

| | Fleet Analytics Data Transfer | | | | ⊥ ♠ @ Ⅲ | |
|--|--|---|---|--|--|--|
| 2020 - Jump to field - | | | | | | |
| Menu « | Vehicle Name or Alert Name | | | | 🗢 MANAGE 🏜 | |
| Sector Vehicles | Vehicle List Date Last Reported - Relative Time | Last Known Status 🛛 \tag | Engine Hrs | Last Location | Manage Groups New Vehicle | |
| Alerts | © Combine | | | | Delay Thresholds Export Vehicles Configure Columns | |
| 2 Operators | O Generic | | | | ± | |
| 🕒 Utilization | • Sugarcane Harvester | | | | ŧ | |
| | O Tractor | | | | Ð | |
| | Tractor - Large Row Crop | no current status | 0.00 | Unknown | | |
| No Data Revento No Data Revento Ingressionen Settory Services Or Ma Book Insure: 24 Or Ma Book Insure: 24 | Note Display privice Manufacturer Lat Location? Remotiveem 9 CAB distillet (privice) joint Deers Lat Location? Remotiveem 9 | o current status Off Off Working | 5,621,60 2,947,00 71,90 0,00 | 2/7 days ago: | | Last Location (2º Farmitream 0 provid days age) Off |
| Instantian State S | recompatible in Compatibility of the Compatibility | History Ing files on or before this date: From | Device Device John Device \$23199230 \$511539957 (DCM-300) (DCM-300) (FmX) Alerts vehicle To Vehicle Date | reticed 36.0% Control 26.0% Co | 200 200 200 200 200 200 200 200 200 200 | and the state |

- 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

Online Alerts

| | | Field Fleet Analytics Data | | | | | ± ♠ @ Ⅲ |
|------------|---|-----------------------------------|----------------------|--|------------------------|--|-----------------------|
| | 2020 • Jump to field • Menu | « Q FILTER BY • O CLI | EAR FILTER The Works | | | | ot configure |
| | 🛞 Vehicles | O Combine | This week; | Alert Type: All Alert Name Detail | Vehic | cle Date/Time | |
| | Alerts | o csu | 213 | Seaworth's Farming | | orth JD 726 11/02/2018 9:31:23 AM | • |
| | A Nets | O EMEA | 515 | Seavorth's Farming | Seaw | orth JD 726 11/02/2018 9:30:19 AM | Ŷ |
| | Operators | O Farm A | | Seaworth's Farming | Seaw | orth JD 726 11/01/2018 7:00:01 PM | Ŷ |
| | L Utilization | O Generic | | Seaworth's Farming | | orth JD 726 10/30/2018 7:00:02 PM 10/30/2018 4:31:40 PM | Ŷ |
| | | O Northeast Farm | | ARDEC Geofence: ARDEC Geofence: | NH TE | 1.435 | ♥ ♥ |
| | | O Sprayer | | CSU's Farming | | 0 8295R 10/30/2018 9:16:55 AM | v 9 |
| | | Sugarcane Harvester | | CSU's Ferming | | D 8295R 10/30/2018 9:15:38 AM | |
| | | | | | | N29/2018 7:00:02 PM | \$ |
| Гуре | Name | Vehicle | Contacts | 5 | | MAGE V M29/2018 9:05:59 AM | Geofence |
| 📀 Geofence | Andrew's Farm | 18 Vehicles | 1 Contac | t | New Alert Geofences | M29/2018 9:04:41 AM M28/2018 9:13:43 AM | Main Farm Geofence |
| 🕭 Geofence | ARDEC | 8 Vehicles | 1 Contac | t | Contacts | M28/2018 9:12:44 AM | Main Harm Georence |
| 🚓 Geofence | big piney alert | 1 Vehicle | 1 Contac | t | | C m | Dente las port Concel |
| A Geofence | Alert Data | | | | | | |
| | Name | 1 Vehicle | 1 Contac | t | | C 🛍 📕 | |
| Curfew | New Alert | 8 Veh | o - | Vehicle Type Last Tractor - Large State | | Display Device Manufacture 4924511161 John Deere | |
| Geofence | Alert Type | 34 Vel Seawort | Fuel Level | Row Crop O | ff 5238598899 | | |
| | Curfew 0 | OR Tractor - Larg | No Data Reported | | (DCM-300) | | |
| | Machine Alert with the second seco | nocor - con | Betton erop | History | Sensors | Alerts File | 25 |
| | Rushing | O FILT | ER BY O CL | EAR FILTER | Filter | | |
| | Alert Details | | | None | | | CANCEL |
| | Frequency 0 Minute(s) • | Туре | Alert Name | | Detail | Date/Time | |
| | Alert when ignition is: On | Ū | Seaworth's Farm | hing | | 11/02/2018 9:31:23 AM | ♥ |
| | ⊗ off | Ū | Seaworth's Farm | ning | | 11/02/2018 9:30:19 AM | ₽ |
| | Vehicles | Ū | Seaworth's Farm | ning | | 11/01/2018 7:00:01 PM | ♥ |
| | All Combine | | Seaworth's Farm | ning | | 10/30/2018 7:00:02 PM | 8 |
| | o csu | | | | | 10/29/2018 7:00:02 PM | v |
| | | <u>U</u> | Seaworth's Farm | | | | ¥ I |

- 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 |
|---|---|
| Machine AlertsRushing Alerts | Curfew AlertsGeofence AlertsCreate Geofence |
| | Ignition Alerts |



Online Utilization

| enu « | • Tractor | All | ^ « | | | | | | | | | | | | | | | | € |
|-------------|--|-----|--------|----------------|----------------|---------|-----------|---------|------------|------|-------------|----------|----|----|------|---|---|--|---|
| 8 Vehicles | • Tractor - Large Row Crop | All | Dat | | | | Start tim | | | | Duration in | hours: 2 | 24 | | | - | | Moving Speedin Working | 8 |
| Alerts | APMD #1 | A | | 1/01/2018 | | | 8:00 / | M | | • | | | | | | | | Rushing Stopped Delayed Off No GPS | 1 |
| Operators | 🗆 🚜 CSU JD 7820 | | Ve | | otal ours \ | Working | Moving | Stopped | Machine St | ates | | | | | | | | | |
| Utilization | 🗹 🚜 CSU JD 8295R | | 4 | Seaworth JD | 7260R | | | | | | | | | | | | | | |
| | 🗆 🚑 NH T8.435 | | | 2 | 4.00 | 3.32 | 0.00 | 0.00 | | | | | | | | | | | |
| | 🖉 🚢 Seaworth JD 7260R | | 4 | Seaworth JD | 8320R | | | | | | | | | | | | | | |
| | Seaworth ju 7260R | | 14 | | | | | | | | | | | | | | | | |
| | 🗆 进 Seaworth JD 8235 | | 1.7 | 3 | .79 (| 0.71 | 0.00 | 0.30 | | | | | | | | | | | |
| | | | 4 | 🐞 CSU JD 8295F | R | | | | | | | | | | | | | | |
| | Seaworth JD 8320R Tractor - Small Row Crop | All | | 8 | .65 (| 0.00 | 0.00 | 5.68 | | | | | | | | | | | |
| | | All | - | | | | | | 8 10 | 12pm | 2 4 | 6 | 8 | 10 | 12am | 2 | 4 | 6 | 8 |
| | | All | | | | | | | | | | | | | | | | | |

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

Online | Adding Chemicals

FARMER CORE ONBOARDING

| | - | | | | | | | | | | | | 1 | |
|----------------------|---------------------|-------------------------------------|----------------------|--------------|---------------|---------------------|--------------------|---------------|--------------|-------------|-----------|------------|------------------|---|
| Menu | ** | INPUTS & MATER | RIALS CHEM | CALS FERTIL | .IZERS L | IME SEEDS | WATER TA | NK MIXES SUMM | IARY | | | | | |
| A Home | | | = | | | | | | | + ADD | CHEMI | CAL | I | |
| Profile | | Material | | Purcha | | vg. ost Total Co | Applied st Area | Avg. Rate | Qty. Used | Balance | | | I | |
| Al Farms | | 2,4-D LV | 4 Ester | 0.00 | 0 gal \$0 | .00 \$0.0 | 00 0.00 ha | 0.00 gal/ha | 0.000 gal | 0.000 gal | Ø | | | |
| | | 🔲 Aframe | | 0.0 | 000 \$0 | .00 \$0.0 | 00 0.00 ha | 0.00 l/ha | 0.000 l | 0.000 | Ø | ••• | | |
| 🕆 Equipment | | | OP | 0.00 | 0 gal \$0 | .00 \$0.0 | 00 0.00 ha | 0.00 gal/ha | 0.000 gal | 0.000 gal | Ø | | | |
| 🖏 Inputs & Materials | | 🔲 Omni Bra | and Propiconazole 4 | .8% EC 0.00 | 0 gal \$0 | .00 \$0.0 | 00 0.00 ha | 0.00 gal/ha | 0.000 gal | 0.000 gal | Ø | ••• | | |
| | | ROUNDU | IP ORIGINAL MAX | 0.00 | 0 gal \$0 | .00 \$0.0 | 00 0.00 ha | 0.00 gal/ha | Chemic | al Search | | | | |
| Commodities | | Roundup | Weathermax | 0.00 | 0 gal \$0 | .00 \$0.0 | 00 0.00 ha | 0.00 gal/ha | Chemic | | | | | |
| Storage | | Total: | | | | \$0.0 | 00 | | | Name | e ſ | Moc | i. | |
| | INPUTS & MATERIAL | S CHEMICALS | FERTILIZERS LIME SEI | DS WATER TAN | K MIXES SUMM | ARY | | | | | | | | |
| | Chemical Prope | erties | | | | | | | N | lanufacture | r | Bayer Cr | opscience | |
| | Use Chemical Search | h to find additional informati | | | | | | | Name | | | ı | Manufacturer | |
| | Na | Q CHEMICAL SE ame * MOCAP 10% GR | | Manufactur | er Bayer Crop | science | | | MOCAP | 10% GRANU | JLAR | 1 | Bayer Cropscienc | e |
| | Categ | | | EP/ | | | 11 | | MOCAP | 15% GRANU | JLAR (R | :) | Bayer Cropscienc | e |
| | R | orm * Granular/Dry | | Signal Wo | rd Warning | | 11.1 | | MOCAP | 15G LOCK N | | | Bayer Cropscienc | |
| | Active Ingre | edient | |] • | 48 | | 11 | | | | . 20,10 | | | |
| | Purchased U | inits * kilograms | | | | | | | MOCAP | EC (R) | | 1 | Bayer Cropscienc | - |
| | | t Cost \$125.0 / kg | | | | | | | | | | | | |
| | Applied U | Inits * grams | | | | | | | Request a | a new chem | ical to l | be added t | to the list. | |

- 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
 - $\circ~$ 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 <u>video</u> to learn more.



Online | Adding Fertilizers

FARMER CORE ONBOARDING

| 8 👻 Jump to field | • | | | | | | | | | | | | | | |
|-------------------------|--|--|--|-------------------|--|---|---|----------------|--|--|--------|-------|-----------------------------|--|--|
| enu | * | INPUTS & MATE | RIALS | CHEMICALS | FERTILIZERS | LIME SEE | DS WATER | TANK MIXES SUI | MMARY | | | | L | | |
| Home | | | 8 | | | | | | | + ADD | FERTIL | LIZER | L | | |
| Profile | | Material | | Qty. Purchased | Avg. Cost | Total Co | Applied ost Area | | Qty. Used | Balance | | | L | | |
| Farms | | 0-0-15 | | 0.000 t | \$0.00 | \$0. | 00 0.00 ha | 0.00 t/ha | 0.000 t | 0.000 t | Ø | | | | |
| | | 10-34-0 | | 0.000 | \$0.00 | \$0. | 00 0.00 ha | 0.00 l/ha | 0.000 | 0.000 | Ø | ••• | | | |
| Equipment | | 16-0-0-2 | !0Zn | 0.000 | \$0.00 | \$0. | 00 0.00 ha | 0.00 l/ha | 0.000 | 0.000 | Ø | | | | |
| | | Total: | | | | \$0. | 00 | | | | | | | | |
| ភ្វី Inputs & Materials | | Total. | | | | | | | Fertilize | er Search | • (| FOЦ | | | |
| | NPUTS & MATERIALS | 5 CHEMICALS | FERTILIZERS | LIME SEEDS | WATER TANK M | ixes summary | | 1 | | | l l | | THEALT | TH TECH. | |
| | Fertilizer Proper | 5 CHEMICALS | | | WATER TANK M | rixes summary | | 1 | N | Name | l l | | | | |
| | Fertilizer Proper | 5 CHEMICALS ties | nation about the r | | WATER TANK M | tixes Summary | | | Name | Name Ianufacturer | l l | | Man | ufacturer | |
| | Fertilizer Proper | 5 CHEMICALS ties to find additional inform | nation about the r | | Nutrients | | | | N Name Folo Spr | Name Nanufacturer ray 0-50-30 | l l | | Man PLAN | ufacturer IT HEALTH TECH. | |
| | Fertilizer Proper | 5 CHEMICALS ties to find additional inform | nation about the r R SEARCH 2-5-40 | naterial. | | • 12 | 00 % 3 | | N Name Folo Spr | Name Ianufacturer | l l | | Man PLAN | ufacturer | |
| | Fertilizer Proper | 5 CHEMICALS ties to find additional inform Q. FERTILIZE Folo Spray 1 Granular/D | nation about the r R SEARCH 2-5-40 | material. | Nutrients Nitrogen | • 12 • 40 | | د | N Name Folo Spr Folo Spr | Name Nanufacturer ray 0-50-30 | l l | | Man PLAN PLAN | ufacturer IT HEALTH TECH. | |
| | Fertilizer Proper Use Fertilizer Search Na Fo | 5 CHEMICALS ties to find additional inform Ref FRIDIZE Folo Spray 1 rm * Granular/D rmts * kilograms | nation about the r R SEARCH 2-5-40 | material. | Nutrients Nitrogen Potassium Phosphorus Zinc | 12 40 5 0 | 00 % 3 00 % 3 25 % 3 | с с | Name Folo Spr Folo Spr Folo Spr | Name Manufacturer ray 0-50-30 ray 12-5-40 | l l | | Man PLAN PLAN PLAN | ufacturer IT HEALTH TECH. IT HEALTH TECH. | |
| | Fertilizer Proper Use Fertilizer Search Na Fo Purchased Ur | 5 CHEMICALS ties to find additional inform Q EERTLIZE Folo Spray 1 rrm * Granular/D nits * kilograms Cost \$50.00 | nation about the r R SEARCH 2-5-40 TY | material. | Nutrients Nitrogen Potassium Phosphorus | 12 40 5 0 0 | 00 % 3 | c c c | Name Folo Spr Folo Spr Folo Spr | Name Manufacturer ray 0-50-30 ray 12-5-40 ray 20-20-20 | l l | | Man PLAN PLAN PLAN | ufacturer IT HEALTH TECH. IT HEALTH TECH. IT HEALTH TECH. | |

- 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
 - $\circ~$ 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
 - $\circ~$ Select the Fertilizer Name from the list
 - Supplement the details by listing the Nutrients
 - o 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 <u>video</u> to learn more.



Online | Adding Purchases

FARMER CORE ONBOARDING

| | leet Analytics D | | | | | | | | ÷ 41 | • ? | | | | |
|--|----------------------|-------------------|-----------------|-----------------|-----------------|-----------|------------|-----------|-----------|-----------|----------|--------------|-----------|------|
| 118 - Jump to field - | | | | | | | | | | | _ | | | |
| enu « IN | PUTS & MATERIALS | CHEMICALS | FERTILIZERS | LIME SEEDS V | WATER TANI | K MIXES S | UMMARY | | | | | | | |
| Home | (한 MERGE 📋 | | | | | | | | + ADD I | FERTILIZE | R | | | |
| Profile | Material | Qty. Purchased | Avg. Cost | Total Cost | Applied Area | | Avg. Rate | Qty. Used | Balance | | | | | |
| Farms | 0-0-15 | 0.000 t | \$0.00 | \$0.00 | 0.00 ha | | 0.00 t/ha | 0.000 t | 0.000 t | | | | | |
| | 10-34-0 | 249.932 l | \$10.60 | \$2.650.00 | 0.00 ha | | 0.00 l/ha | 0.000 | 249.932 l | | - 1 | | | |
| e Equipment | 🔲 16-0-0-20Zn | 0.000 | \$0.00 | \$0.00 | 0.00 ha | | 0.00 l/ha | 0.000 | 0.000 l | | | | | |
| Inputs & Materials | Folo Spray 12-5-40 | 0.000 kg | \$0.00 | \$0.00 | 0.00 ha | | 0.00 kg/ha | 0.000 kg | 0.000 kg | | | | | |
| | My Custom Fertilizer | 4.990 kg | \$88.18 | \$440.00 | 0.00 ha | | 0.00 kg/ha | 0.000 kg | 4.990 kg | | | | | |
| Commodities | Total: | | | \$3,090.00 | | | | | | | - | | | |
| * | UPDATE TASK COSTS | UPDATE MATER | IAL UNIT COST | 1 | | | | | | | | | | |
| Purchase Details | * | | | J | | | | | | | _ | | | |
| 10-34-0 | i | | | | | | | | | | | | | |
| Date 06/04/2018 Quantity Purchased 250.000 I | | IN | PUTS & MATER | RIALS CHEMICALS | FERTILIZERS | LIME | SEEDS | WATER T | ANK MIXES | SUMM | ARY | | | |
| Price \$10.00 /1 | | | | | | | | | | | | | | |
| Tax \$150.00 | | | Fertilizers > 1 | 0-34-0 | | | | | + CARR | Y OVER | Purch | ases & Use 🔻 | + NEW PUR | RCH/ |
| | | | Date | Field (Investor | | | Tetel Cost | Applied | | | | 0 | Delener | |
| Total Cost \$2,650.00 | 8 | | | Field/Invoice | | Avg. Cost | Total Cost | Area | | A | vg. Rate | Qty. +/- | Balance | |
| Optional Details | | | 06/04/2 | 2018 31579542 | | \$10.60 | \$2,650.00 | | | | | 249.932 l | 249.932 l | I (|
| Vendor Crop Health Experts | | | Total: | | | \$10.60 | \$2,650.00 | | | | | 249.932 l | | |
| Invoice # 31579542 | 1 | - L | | | | | | | | | | | | _ |
| Notes | | | | | | | | | | | | | | _ |

- 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


Online | Adding Tank Mixes

FARMER CORE ONBOARDING

| | Farm Field Fleet Analytics | Workbench Data Transfer | Console | | | | | | 2 | L 🖡 🖗 | | | | |
|----------------------|------------------------------|---|--------------------|--------------------------------|---------------------------------------|------|-------|---------|----------------------|------------|-----|--------|----|--------|
| Menu « | INPUTS & MATERIALS CHEMICALS | S FERTILIZERS LIME SE | EDS WATER | TANK MIXES | SUMMARY | | | | | | | | | |
| A Home | Tank Mix Properties | | | | | | | | | | - 1 | | | |
| Profile | Name * | burndown | | | Ingredient | Cost | Ra | te | | | | | | |
| Al Farms | Form * | Liquid | | | Durango Atrazine 4L | | / gal | | 0 gal/ac 0 gal/ac | × | - 1 | | | |
| 😹 Equipment | Carrier | water | | | + ADD INGREDIENTS TO RE | | | | | | - 1 | | | |
| 劉 inputs & Materials | Default Rate | 10.00 gal / ac Define mix as rates | | | | _ | | _ | | | | | | |
| 🗠 Commodities | | O Define mix as quantities | | | | | | | c | | | | | |
| Storage | Mix Rate * | 10.00 gal / ac \$2.25 / gal | | | | | | | Select M | aterial(s) | | | × | |
| 💣 Farm Weather | | 42.23 / 801 | | | | | | | 0 | Chemical | | | | |
| 🛎 People | | | | | | | | | 0 | Fertilizer | | | | |
| 😫 Time Tracker | | | | | | | | | | Lime | | | | |
| Documents | | | | | | | | | | Water | | | | |
| 🗇 Grain Contracts | | | | | | | | | | | | | | NTS TO |
| Te Markatolara | | | | | | | | 10.00 | | | | | | |
| | | | © 2011 - 2018 TRIM | RLE, INC. ALL RIGHTS RESERVED. | TERMS OF USE TERMS OF SALE PRWACY | | | s rates | | | | | | |
| | | | | | | | | s quan | | | | | | |
| | | | | | | | | 10.00 | | | | | | |
| | | | | | | | | \$2.25 | | | | | | |
| | | | | | | | | | | | | CANCEL | ОК | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |

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

Trimble

Mobile | Adding Purchases

FARMER CORE ONBOARDING

| | | 🗑 뜻: | _ | | 40 B 6 | ₫ \$ @ [™] | ▲9 B C < Crop ■ 2:21 DM | | \$ \$\$ ∰*⊿⊪l 96% | 5 ■ 2:31 PM + |
|----------------------------------|----------------------|--------------------|-------------------------|------------------------------|---|----------------------------------|----------------------------------|-----------------------------------|---------------------------|------------------|
| Brent Chenier 2018 | < Crop Inputs | 201 | | | < Crop Inputs | | + | 0 e: 0.000 MT/ac | \$2, Amount Applied | |
| Fields Bins C | Seed Fertilizer | Crop Protectio | on | | 11-52-0 | | 047.15 /MT | 0 | Balance | 0.064 MT |
| 827.77 ha 3 | 50 SO | | B C Crop Inputs | 魯*徽 堤 加 96% 自 2: | Dry 31 PM ate: 0.000 MT/a | c Amount c Applied Balance | 0.064 MT 0.000 MT 0.064 MT | 2.00 (20.00 lb) 5.00 (20.00 | \$15 | \$30.00 |
| Crop Inputs Commodities F | ar · | Type | e | Fertilizer | | | | lb) | | |
| \$130 1 Reports Contacts T | in | Prod Date | | Quantity | | | | | | |
| ₽ ₽ 4 | | | n, Dec. 02 duct Size | 0 Product Price | | | | | | |
| Settings Fleet W | le | 0 Taxi | es | 0.00 Total Invoiced | _ | | | | | |
| 4 | | 0.0 Ven | | 0.00 Invoice # | | | | | | |
| Tap here to fill the entire scre | Tap here to fill the | entire screen Note | es | | Tap here to f | ill the entire screen | | Tap here to fill the | | ć |
| | | | | | الله المالي ا | | <- | | | |
| | | | | | | | | | | |
| | | | Tap her | re to fill the entire screen | | | | | | |

- 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**
 - o Date: Sun.Jan 28
 - Quantity: 8
 - Product Size: 1 MT
 - Product Price: 634
 - o 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
 - $\circ~$ 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

| STrimble. Farm Field | Fleet Analytics Data Transfer Console | | ᆂ 🌲 🥹 🎫 📷 | |
|-------------------------------------|---|--------------------------------------|-----------------------|------|
| 2018 - Jump to field - | | | | |
| Menu « | COMMODITIES CROPS COMMODITIES CROP SEASONS | | | |
| A Home | | | | |
| Profile | Crop | Price | CROP SEA Select Crops | × |
| | Alfalfa | | Crops | |
| Al Farms | Apples | | Agave | - i |
| Se Equipment | Barley | | | |
| Org. Equipment | Beans | | Almonds | |
| 🛃 Inputs & Materials | Canola | | Apricots | |
| | Chickpeas | | Argan | |
| 🗠 Commodities | Corn | | Asparagus | |
| Storage | Soybeans Wheat | | Avocado | |
| | wheat | | Banana | |
| 🛎 Farm Weather | | | Basil | |
| 🛎 People | | | Beets | |
| | | | Blackberries | * |
| Documents | | | | |
| 😒 Grain Contracts | | | | |
| | | | CANCEL | SAVE |
| 🐂 Marketplace | | | | |
| al Carm Analyzer | | | | |
| Syncing turned off Last 24 hours | | | | |
| | © 2011 - 2010 TRANSILE INC. ALL REINTS BESERVED. TH | NAS CALUES 1. TRAVE CALARY I. BRANCY | | |

| « | COMMODITIES CROPS COMMO | DDITIES CROP SEASONS | | | | | |
|-------------------------------------|------------------------------|----------------------|------------|----------|-------------------------|-------------|-------------|
| Home | | | | CROP SEA | Create Crop Seaso | า | × |
| | Crop Season | Start Date | End Date | CROP SEA | • | | |
| Profile | 2019 Canola | 01/01/2019 | 12/31/2019 | | Harvest Year * | 2018 | • |
| arms | 2018 Alfalfa | 01/01/2018 | 12/31/2018 | Sta | Traine Ser Fear | 2010 | |
| | 2018 Alfalfa RR | 12/31/2017 | 12/30/2018 | | Crop * | Corn | • |
| Equipment | 2018 Soybeans RR | 12/31/2017 | 12/31/2018 | 01/ | | | + Add Crops |
| Inputs & Materials | 2017 Alfalfa Forage | 12/31/2016 | 12/30/2017 | 01/ | | | |
| | 2017 Alfalfa RR | 12/31/2016 | 12/30/2017 | 12/ | Subcrop | | |
| Commodities | 2017 Barley 2 Row Malt | 12/31/2016 | 12/30/2017 | | Activities Start Date | 01/01/2018 | m |
| Storage | 2017 Barley 6 Row Malt | 12/31/2016 | 12/30/2017 | 12/ | * | 0110112010 | |
| storage | 2017 Beans Green | 12/31/2016 | 12/30/2017 | 12/ | test data a maid marked | 10.001.0010 | - |
| Farm Weather | 2017 Canola Nexera | 12/31/2016 | 12/30/2017 | 12/ | Activities End Date * | 12/31/2018 | ** |
| | 2017 Canola RR | 12/31/2016 | 12/30/2017 | 12/ | Default Yield | | |
| People | 2017 Corn | 01/01/2017 | 12/31/2017 | 12/ | Potential | | |
| Documents | 2017 Corn LL | 12/31/2016 | 12/30/2017 | 12/ | | | |
| | 2017 Corn RR | 12/31/2016 | 12/30/2017 | | | | |
| Grain Contracts | 2017 Soybeans R2 | 12/31/2016 | 12/30/2017 | 12/ | | CANCEL | SAVE |
| farketplace | 2017 Wheat Hard White Winter | 12/31/2016 | 12/30/2017 | 12/ | | | |
| | 2017 Wheat HRS | 12/31/2016 | 12/31/2017 | | 24/2044 | | 40/00/0047 |
| Earm Analyzar Syncing turned off | 2016 Corn | 01/01/2016 | 12/31/2016 | | ♂. | | |

- 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
 - $\circ \ \ \text{Select} \ \textbf{Crop}$
 - $\circ~$ Select Activity Start and End date (if different from default)
 - $\circ~$ Click Save

Watch this <u>video</u> to learn more.



Online | Adding Client, Farm, Field

FARMER CORE ONBOARDING

| Create | e Client | | × | | Create Farm | × | |
|--|--|---|------|---|------------------------------|------------------------|------------|
| 0 | Client Name * | | | | Farm Name * | | |
| à Trimble Com 1 | dd Riest Analytics Data Transfer Conso | CANCEL | SAVE | | Client | • + | |
| 2018 • Jamp to field • Mercu · · | FARMS CLENTS FARMS RELDS | | | | Dhew Retired (1) + ADD TIELD | CANCEL | |
| Inde Inde | 10 10 10 11 12 13 14 14 14 14 15 164 164 | won Client Dou Farm Boundary 15 Area | | | Coo Legel Sol Impton | 👔 🔪 🎍 Impart Shy Re | Pengyan Sa |
| | | | | 8 | | Territory 1945 Televis | |

- 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
 - $\circ~$ 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**.
- o click Save



Watch this <u>video</u> to learn more.

Trimble

Online | Add Field and Boundary (Bulk)

FARMER CORE ONBOARDING

| Menu | ** | 2018 Fiel | d Profiler | | | | | | | | | | Ø MAN | AGE - |
|------------------------------|----------------------------------|----------------|---|----------------------|------------------|--------------------|---------------------|----------------|-----------|---------------|-------------------------|--------------------|--|-------------|
| 篇句 Fie | ld Profiler | Select | /Deselect All Search Fields | | | | | | | | Show Parent P | Fields AI • A | a Add New Field | |
| 🐣 Fa | rm Map | - | Field ID | Field Na | me | Legal Desc. | Acres | | Ir. | Crop | v | ariety | Import Fields to 20 Assign Fields to Fa | |
| | | | 1077636 | field b | | | | 0 | N | | | | Upload Boundary | |
| ₿ Cr | op Planner | • | 1077635 | Filed A | | | | 63.91 | N | Alfalfa - | | | Export Boundaries | |
| le w | ork Orders | | 1034815 | home 1 | 14 | | | 77.8 | N | | | | Update Boundary | |
| | | | 723653 | Melvin's | | | | 148.06 | N | Alfalfa | | | Import Benchmark Export Benchmark | |
| SE Eq | uipment Activity | 703094 | | | | × | | | | | | | Refresh Boundary | |
| ተ 📑 י T | nis PC > Desktop > Training Fil | er > Roundar | ~ | ~ Õ | Search Boundary | Legal Desc. | Acres | | Ir. | Сгор | v | ariety | Target Yield | |
| | | E 7 Doundai | 7 | V 0 | | | | 77.8 | N | | | | | |
| AgriBotix_C ^ | 0 | | D | - | Size | Farm Total | | 77.8 | | | | | | - 11 |
| | Name | | Date modified | Туре | | | | 77.0 | | | | | | |
| ive | Boundary13 Boundary13.gpe | | 11/1/2010 3:00 AM 8/5/2013 8:29 PM | DBF File GPE File | 1 KB 1 KB | | | | | | | | | |
| c | Boundary13.lgd | | 8/5/2013 8:30 PM | LGD File | 1 KB | Legal Desc. | | | | | | ariety | Target Yield | |
| bjects | Boundary13.shp | | 11/1/2010 3:00 AM | SHP File | 7 KB | | | 36.34 | N | Soybeans - RR | | | | |
| top | Boundary13.shx | | 11/1/2010 3:00 AM | SHX File | 1 KB | | | 30.34 | | Sofoend - Hit | | | | - 1.8 |
| uments | Boundary14 | | 11/11/2014 3:17 PM | DBF File | 1 KB | | | 36.34 | N | | | | | kg/ha |
| nloads | Boundary14.shp | | 11/11/2014 3:17 PM | SHP File | 1 KB | | | 36.34 | N | Soybeans - RR | | | | |
| ic | Boundary14.shx | | 11/11/2014 3:17 PM | SHX File | 1 KB | | | | | | | | | |
| ires | CF Field 1 | | 3/24/2016 12:23 PM | DBF File | 1 KB | Upload Field Bour | ndary | | | | | | | |
| os | CF Field 1.shp | | 3/24/2016 12:23 PM | SHP File | 1 KB | | | | | | | | | |
| dows (C:) | CF Field 1.shx | | 3/24/2016 12:23 PM | | 1 KB | Drag files below | or select files | to upload y | our sha | pe files. | | | | |
| | Chsner E | | 12/9/2016 10:28 AM | DBF File | 1 KB | Files with extensi | ions .dbf, .prj, .s | hp, and .shx | are all r | needed. | | | | |
| (\\ushami- | Ochsner E.shp | | 12/9/2016 10:28 AM | | 9 KB | | | | | | | | | |
| ips (\\ushan | Ochsner E.shx | | 12/9/2016 10:28 AM 3/7/2017 11:53 AM | DBF File | 1 KB 251 KB | | | | | | | | | |
| nt (\\usham | planting planting | | 3/7/2017 11:53 AM | SHP File | 251 KB 234 KB | | | | | | Choose Ed | les No file chosen | | |
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| nk v | | | | | | | | | | | | | | |
| | ame: "planting.shx" "CF Field 1" | CF Field 1.shp | " "CF Field 1.shx" "Ochsne | r E" "(~ | All Files | | | | | 100% | | | 507.86 Kb | |
| | - | | | | Open Cano | | | | | | | | | |
| | | | | | | Uploaded Shapes | | | | | | | | |
| | | | | | | E File Details | | Projection Fie | bld | | Farm Column FarmName | | Field Column FieldName | |
| | | | | | | CF_Field_1 0.98 KB | .shp, .shx, .dbf | WGS 84 V | ew Field | | FarmName | CF Farm | FieldName * | CF Field 1 |
| | | | | | | planting 497.22 K | B .shx, .shp, .dbf | WGS 84 ¥ N | ew Field | | None 🔻 | | Elevation • | 656.27 |
| | | | | | | Chsner_E 9.66 KB | .dbf, .shp, .shx | | ew Field | | FarmName | Darwyn Ochsner | FieldName * | Ochsner - E |

- 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
- 1. Check fields on left side
- 2. Click Save Boundary Files



Mobile | Add New Field and Boundary



- 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





Online | Multiple Crops per Field

FARMER CORE ONBOARDING

| Back | OVERVIEW | OVERVIEW | FIELD MAP | | | | | | | | | | |
|------------------|------------------|----------------|---------------------------|-------------------------|--|------------------|----------------|------------------|---------------------|---------------|-----|---|---|
| Overview | 2019 F | eld Manager | | | | | | | MANAGE | | | | |
| | | tais # 1014809 | | | | | | Edit | Field | | | | |
| GIS | Field N Legal | ame | Ochsner E - Chenier Farms | ADS Field ID # Acres | 1014809 | | irrigated | Split F New 0 | ield | - H. | | | |
| Weather | Crop | | | Variety | | 5 | Seeded Date | | Actuals as Crop Pla | n | | | |
| Work Orders | Target Notes: | rield | | Actual Yield | _ | | Han unst Pasta | _ | | | | | |
| Equipment Activi | | ses Breakdown | | | New Crop | | | | | | | | × |
| | Street | | Total C | | | | | | | | | | |
| Lab Data | Seed | | | \$0 | Parent Field: # | 1014809 - Ochsne | er E (151.1 | 0 ac) | | | | | |
| | | | | | New Name | Ochsner E - Soy | ybeans | New Acres | 151.1 | Crop Sequence | 1 🔻 | • | |
| | | | | | New Name | Ochsner E - Cor | | New Acres | 151.1 | Crop Sequence | 2 🔻 | | |
| | | | | | in the second se | Ochsher E - Cor | m | newneres | 151.1 | crop sequence | 2 • | | |
| Chenier | Farms | | | | SAVE FIELD | os | | | | | | | |
| - | Field ID | | Field Name | | | | | | | | | | |
| | Field ID | | | | | \$0 | | | \$0 |).00 | | | |
| | 867573 | | 13 | | | | | | | | | | |
| | | | | | Origina | al Field | | | | | | | |
| | 867526 | | Ochsner E | | | | | | | | | | |
| _ | | | | | (paren | t neid) | | | | | | | |
| | 1014809 | | Ochsner E 1 | | | | | | | | | | |
| | 1014809 | | Ochsner E 1 - Corn | - | | • | | | | | | | |
| | 1014609 | | Ochsher El F- Com | | New | Crop | | | | | | | |
| | 1014809 | | Ochsner E 1 - Soybean | | Fie | lds | | | | | | | |
| _ | • | | | | | | | | | | | | |
| | 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.

Trimble

Online | Farm Map



- 1. Click Field tab > Farm Map
 - Interact with your fields in a map view
 - Show fields grouped by Crop Season



- Show Fields Only
- 2. From the Field level list, click on the **• •** button to **View details for this field** in the Field Manager screen.
- 3. 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.
- 4. 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 <u>video</u> to learn more.



Online | Crop Rotation Plan

FARMER CORE ONBOARDING



- 1. Click Field > Crop Rotation Plan
- 2. Configure how many Years Backward and Years Forward to work with
- 3. Click the plus sign in any box that needs information to be entered
 - a. Use the Multi Select check box to activate selection of more than one box to fill in with the same crop information
 - b. Select the desired boxes and then click Manage>Add/Edit Selected Record
 - c. Fill in the Crop details using the Add New Crop window
- 4. If you're working with a perennial crop, select "Perennial" and define the number of years for that multi-year cycle
- 5. Use the Manage Option to Export to CSV to save or share the plan details.

Watch this video to learn more.



Online | Crop Rotation Plan

| Crop Rotation Plan | | | | | | | | | | | | | | |
|---|--------------|--------------|------------------------|---------------------------------------|--------|-------------------------------------|-----------------------------|-------------------------------|----------|-------|---------------|---|------------------------|------------|
| | | | | | | | | | | | | 🗆 Multi Select | MANAGE | |
| FILTER BY | CLEAR FILTER | Active Filte | r Soybeans | | | | | | | Years | Backward: | 3 Years For | rward: 3 | v |
| Field | Hectares | 2016 | | 2017 | 2018 | | 2019 (Curren | ıt) | 2020 | | 2021 | | 2022 | . . |
| Field 14 - Grid Farm Demo | 14.71 | | + | + | | + | Soybeans 2,500.00 kg/h | | | + | | + | | + |
| | | | | | | 6 | • | + | | | | | | - 1 |
| Field 500 Farm Demo (Retired) | 2.95 | | | | | | Soybeans 3,000.00 kg/h | | | | | | | |
| Field 700 - Zone Farm Demo | 7.49 | ø Corn | 7.49 ha | + | | + | Ø Soybeans 3,500.00 kg/h | | | + | | + | | |
| | | | + | | | | | + | | | | | | |
| Field_ebee Farm Demo | 7.37 | | | | | | Soybeans kg/ha | 7.37 ha | | Edit | Crop | | | |
| ew Crop | | × | + | + | | + 2019 (Current |) | | | + | crop | | | |
| Crop * Corn Subcrop | + Add | ✓ I Crops | B. <u>\</u> | + | | + | 9.~ | Corn Conventional kg/ha | 14.71 ha | ○ Rep | lace old crop | r selected fields alrea details with new info tion as separate crop | rmation | issigned. |
| Variety | | | Edit Crop | | × | Ø Soybeans 3,000.00 kg/ha | 2.95 ha | | | 10 | / | | | |
| Area | | ha | One or more of your se | elected fields already has a crop ass | igned. | Soybeans | 7.49 ha | | | _ | | BA | | SAVE |
| Yield Goal | kg/ha | | | tails with new information | | 3,500.00 kg/ha | | | | 201 | 9 (Current) | | _ | |
| Target Price | | /kg | | n as separate crop split | | | + | | | | oybeans | 14.71 ha 💋 | Corn | 7.3 |
| op Sequence 2 rrennial Crop O Yes ® No | Year: 1 | v l | | BACK | SAVE | Soybeans kg/ha | 7.37 ha | | | 2,5 | 00.00 kg/ha | | nventional /ha | |
| er of planned years 1 | | ~ | | | | Ø Soybeans | + 62.65 ha | | | | | | Soybeans /ha | 7.3 |
| CANC | EL SAVE | | | | | LL Soy Seeds kg/ha | | | | | | + | | |

- 6. For planning a crop sequence for the same field, you can click on the (+) below the crop grid.
- 7. Now you can add the detail for that crop and pick the correct sequence in the drop down. The Crop Planner allows up to 10 crop sequences entry.
- 8. The system will ask you to select how you want to proceed. Select "*Replace old crop details with new information*" if you just want to add a crop sequence, but keep a single crop.
- 9. The new crop sequence will be displayed beside the previous drop under the same crop year.
- 10.If desired to split a field, you can select the option "Add new information as separate crop split" and click SAVE.
- 11. That will split the field into two cops and you can adjust the area for each split by clicking in the area in red. That will re-open the **Edit** crop window and you can adjust the area for each part of the field before click **SAVE**.
 - Watch this <u>video</u> to learn more.



0.3

AutoSync, Work Orders, and Prescriptions



0.3.a

AutoSync™ Feature



AutoSync Summary



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 software subscription. Display Connections are required for each connected Trimble display.

| Data Type | Create | Edit | Delete |
|---|--------------|--------------|--------------|
| Guidance Lines | \checkmark | \checkmark | \checkmark |
| Coverage Maps ¹ | \checkmark | | |
| Client/Farm/Field Names | ✓ | ✓ | \checkmark |
| Landmarks and Boundaries | \checkmark | \checkmark | \checkmark |
| Operators | ✓ | ✓ | \checkmark |
| Vehicle Profiles ² | \checkmark | ✓ | \checkmark |
| Materials | ✓ | ✓ | \checkmark |
| Implements | \checkmark | \checkmark | \checkmark |
| Work Orders | \checkmark | \checkmark | \checkmark |
| Bluetooth [®] Low Energy (BLE) beacons | \checkmark | | |

¹AutoSync 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.

²Vehicle 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
 - TMX-2050[™] display: Precision-IQ firmware version 6.60
 - GFX-750[™] display: Precision-IQ firmware version 2.60
 - GFX-350[™] display: Precision-IQ firmware version 1.60
- Trimble Ag Software account and Display Connection Licenses (Farmer Core or Farmer Pro)

AutoSync Setup Steps

- 1. Setup online account and vehicles (see Core guide Session 2.b)
- 2. Clean up data, backup and update firmware on the displays
- 3. Connect display to internet (modem or Wi-Fi)
- 4. Turn on AutoSync in Precision-IQ settings
- 5. Use the AutoSync Wizard to walk through the initial sync
 - a. The display run screen will be locked during the sync process



AutoSync | Step 1: Setup Vehicles in Online

FARMER CORE ONBOARDING

| | | 1ble . Farm | | : Analytics D | | | | | ⊥ ≜ ² ? | |
|-------|-----------|--------------------|--------------------|-----------------------|------------------|-------------------------------|-----------------------------------|------------------------|--|--------|
| | 2019 - | Jump to field 👻 | | | | | | | | |
| | »> | EQUIPMENT | VEHICLES | IMPLEMENTS IR | RIGATION SYSTI | EMS DEVICES | | | | 1 I |
| | ÷ | C MERGE | 1 | | | | | Show R | etired (*) + ADD VEHICL | E |
| | 8 | Name | | Туре | | Group | Cost | Profiles 🔒 | | 11 |
| | | 🔲 Bob's Spray | er | Sprayer | | | \$0.00 / hr | | I | |
| | | Challenger I | NT 600E MT685E | Generic | | | \$0.00 / hr | 1 | ľ | |
| | ค | Claas 430 A | rion | Tractor - Med Crop | ium Row | EMEA | \$70.00 / hr | | ľ | |
| | | CSU ID 6R | | Tractor - Med | | | | | | |
| lcon | | | × | Tractor - Lai | | VEHICLES IMPLEMENTS | IRRIGATION SYSTEMS DEVICES | 5 | | |
| | | | | Tractor - La | Vehicle Properti | | | | | _ |
| | | | - | Tractor - Lai | | Name * | CSU JD 7820 | | | |
| ric | - | | et | Tractor | | Manufacturer * | John Deere | * | Device Settings | |
| | Combine | Floater | Sprayer | Generic | Change Icon | Vehicle Type * | Tractor - Large Row Crop | · · | FmX - 51 2 | |
| | | Rent. | 1 | Generic | | Equipment Group Unit Cost | Tractor - Large Row Crop | • + | | |
| Green | | | æ | | | Attached Devices | \$70.0 | JU 718 | Active Display License Expires 01/29/2020 | |
| ze | Tile Plow | Tractor | Articulated 4WD | Tractor | | Display Device | 51 2 (FmX) - CSU 7820 - 0 | CSU JD 🔹 🕇 | | |
| | | è | | Tractor | | | License Expires 01/29/2020 Settin | | | |
| 2 | | | \$ | Generic | | Telematics Device 🟮 | 51 8 (DCM-300) - 51 | 8- • + | | CANCEL |
| N | Sugarcane | | | | | Delay Response Threshold 🚯 | Choose | • Manage Thresholds | | |
| | Harvester | | | | | | Use Implement Switch 0 | anage michiolas | | |
| | | CANCEL | SAVE | | | | | | CANCEL | SAVE |
| | | Concer | JANE | | _ | | | | Conce | |

- 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. Assign Vehicle License to activate a wireless vehicle connection with a Trimble Display.
 - a. This is a critical step where the link the between the display and online vehicle is established.
- 6. Optionally, click **Change Icon** to select a visual icon that correlates the the specific vehicle.
- 7. Click Save to save this vehicle
 - a. Use the Edit button to edit the properties of any existing vehicles

Watch this <u>video</u> to learn more.



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

FARMER CORE ONBOARDING





0

Firmware

- 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: Minimum Recommended Firmware for each display type

TMX-2050 version 6.50 or higher GFX-750 version 2.50 or higher GFX-350 version 1.50 or higher



AutoSync | Step 3: Connect Display to Internet

| -K II | | | | |
|--------------|---|-------------------|-------------|--|
| ≡ Му Аррз | | | e Portes | 🔹 🗢 ^О |
| Amaze | Data Transfer S | iervice Em Fex.Pi | · | ك |
| Trimble Ag | Vyoar V | - | | |
| | | | | |
| Setting | js | | | 99:57 |
| | WIRELESS & NETWORKS | | | N |
| | Data usage | | | |
| | More | | | |
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| 放 Wi-Fi | | | | ≈ 2:09 •••••••••••••••••••••••••••••••••••• |
| | devolo-bcf2afcbbfe3 Connected | | | 7 |
| | SKY4C510 Secured with WPA2 (WPS available) | | | (F) |
| | A Language & input | | | |
| | • Backup & reset | | | |
| | ACCOUNTS | | | |
| \heartsuit | | Ϋ́ | ר | |

- 1. Open the TMX or GFX display Settings.
- 2. Connect the display to the internet via cellular modem or Wi-Fi.

AutoSync | Step 4: Enable AutoSync in PIQ



- 1. Launch Precision-IQ
- 2. Go to PIQ > Settings > Syncing > turn on AutoSync

AutoSync | Step 5: AutoSync Wizard



- **1.** The AutoSync Wizard will launch as soon as AutoSync is turned on in PIQ settings
- 2. When the Actions Needed shows all green check marks, click Next
- 3. Review the Syncing Tips, then click Next
- 4. Review the Sync Preview
 - a. Sync Preview provides a count of Resources on the Display and Online with the number of Resources to sync listed
 - b. Estimated Sync Time is shown, and should reflect a conservative estimate
- 5. Click Start Sync to begin the sync process or Cancel to postpone until a later time
 - a. The display will be temporarily disabled during the sync process



AutoSync | Sync Process

FARMER CORE ONBOARDING



Monitoring the Sync Process

- 1. The Preparing to Sync Import window will appear with a status bar
- 2. The Syncing Resources window will display with a status bar and estimated time left
- 3. The AutoSync Import Complete confirmation message will appear when finished.



AutoSync | Monitor Synchronization in PIQ

| <u>}</u> |) 💉 | | | | | | Ż | | • * • |
|----------|-------------------|----------------------------------|-----------------|-------------|---------|--------------|-----------------|----------------|-------|
| | Mage Precision-IQ | Sync Activit | Y | Logging | | | | | |
| | System | Send | | | | | | | |
| | | Planting | TASK | 04.13.20 10 | | Completed | | 0 | |
| <u>}</u> | Performance | Field Moca | FIELD | 03.10.20 02 | | Completed | 🗸 Auto | | |
| - | | Spraying_VRA_Liquid_Ext ernal | TASK | 03.09.20 08 | 8:57 PM | Completed | Enab | led | |
| 2 | Logging | Spraying_VRA_Liquid_Ext ernal | TASK | 03.09.20 08 | 3:54 PM | Completed | Trim | | |
| | GNSS Receiver | Spraying_VRA_Liquid_Ext ernal | TASK | 03.09.20 08 | 3:40 PM | Completed | V Trim Avail | able Ag Mobile | 2 |
| - | | Spreading_CNH | TASK | 03.05.20 07 | 7:28 PM | Completed | | | |
| r | Performance | Field Moca | FIELD | 03.02.20 06 | 5:59 PM | Completed | | | |
| | 1 enformance | Demo_Field_Pivot | FIELD | 03.02.20 06 | 5:59 PM | Completed | 🗸 Inte | | |
|) | Auto Sync | Receive | | | | | Conr | lected | |
| | | 20-00-00 LIQ UREA | | MATERIAL | 04.13 | .20 10:49 PM | | | |
| | Sync Activity | c1051-73 | | MATERIAL | 04.13 | .20 10:35 PM | | | |
| 3 | | SOYEANS | | MATERIAL | | .20 10:19 PM | | | |
| | | Pioneer P1360HR-NM62 | | MATERIAL | 04.13 | .20 10:19 PM | | | |
| | | Dyna_Gro D53VP61 | | MATERIAL | | .20 10:19 PM | | | |
| | | BioPhos 10-20-0_Liquid | | MATERIAL | | .20 07:20 PM | | | |
| | | 21-0-0-24S_Dry | | MATERIAL | 03.05 | .20 07:19 PM | | | |
| | | 90% Sulfur_Dry | | MATERIAL | | .20 07:19 PM | | | |
| | | 46-0-0 _ Dry | | MATERIAL | 03.05 | .20 07:19 PM | | | |
| | | 10-0-0_Liquid | | MATERIAL | | .20 07:18 PM | | | |
| | \heartsuit | | \triangleleft | 0 | | | | , | 0 |

- 1. To monitor or view Sync Activity click the Diagnostics option in PIQ
- 2. Select the Sync Activity option
- 3. View Send and Receive activity on the Sync Activity tab

AutoSync | AutoSync Service App in PIQ

FARMER CORE ONBOARDING



| < Sync Settings | • |
|--|----|
| updated 1 hours ago | |
| Syncing | ON |
| Choose what's automatically sent to this display | |
| Fields | ON |
| Vehicles | ON |
| Implements | ON |
| Materials | ON |
| Operators | ON |
| | |
| | |
| | |

| Information Displayed in AutoSync Service App | | | | | | | |
|---|--|--|--|--|--|--|--|
| Vehicle Name | AutoSync enabled status | | | | | | |
| Display serial number | Fields synced area count | | | | | | |
| Last Sync date and time + relative time (5 minutes ago) | Fleet vehicle sync count | | | | | | |
| Organization Name | • Work Orders count - any synced that are dated 3 months before or 3 months after current date | | | | | | |
| Organization ID | Contacts synced count | | | | | | |

The AutoSync Service App is available in the installed apps area if you need to review the sync information or review the Sync Settings.

- 1. Open the AutoSync Service App
- 2. Click on the Settings button to view or make changes to the Sync Settings
- 3. To manually initiate a Sync, click the Sync Now button



Set up | Check the Unit System

FARMER CORE ONBOARDING

| 45 L | | | | | | 2:59 | | | | |
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| | ← ВАСК | SETTINGS | | | | | 1 | | | |
| A | Display Setup | Display Setup | | | | | | | | |
| Æ | Mapping | Display Options | | | | | | | | |
| * | Patterns | Hide System Navigation Bars | | | | P | | | | |
| 4 | Steering and Guidance | Enable Simple Mode Throughout Precision-IQ Simple Mode disabled. Please restart Precision-IQ to enable cha | anges. | | | | | | | |
| ~~ | Safety and Alarms | Auto launch Precision-IQ when Display boots Auto launch disabled | 41 L | | | | | | | ♀ ≵ ▼ 3:00 |
| ŵ | Application Control | Display Units | (ji | | | | | L | | 60 |
| | ISOBUS | Display Units Metric | | ← BACK | - | | SETTINGS | <i>₹12</i> - | 1999 | |
| | Syncing Features | Number Forms Periods (100.0) | † | Display Setup | | ٦ | Display Setup | | | |
| | Logging | External Camera Setup | | Mapping | P | | Display Options | | | |
| | | Enable External Camera | \$ | Patterns Steering and Guidance | | play Ur Metri | | | | 0 |
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| _ | | | ŵ | Application Control | | _ | CANCEL Display Units | | | |
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| | | | | Logging | | | External Camera Setup | | | |
| | | | | ∞ | | | Enable External Camera | | õ | o tot |
| | | | _ | | | | | | | |

- 1. Open PIQ > goto Settings Button (Engine)
- 2. Click in Settings
- 3. Look for **Display Units**
- 4. Make sure your display unit matches with the Online unit system defined
- 5. Modify it if needed

Trimble

Set up | Materials Properties

FARMER CORE ONBOARDING

| 200* Ampletedde *** Fertilizer America Mande Mandel Ma | 2020 | | Field Fleet | Data Transfer | | | | | | | | 🌲 🕐 🏢 |
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| Applied Units* BALS OessOus Tests Applied Units* | al | Use Fertilizer Searc | ch to find additional in | formation about th | ne material. | | | | | | | |
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| Purchased Units * poinds Purchased Units * poinds Purchased Units * poinds Default Target Rate 30.00 to rac | 8 | | Name * | 11-52-00 (MAP) | | ± | Alter | rnate Target Rate | | | 20.00 lbs / ad | c |
| Image: Control Image: Contro Image: Control Image: | 25 | | Form * G | ranular/Dry | | | | Rate Increment | | | 10.00 lbs / ad | c |
| Applied Units* pounds your and the state of | -4- | Pu | rchased Units * | pounds | | ~ | | Minimum Rate | | | 10.00 lbs / ad | c |
| Applied Links * pounds Default Target Rate 30.00 Ro / #** ERNAS DEFAULTERS LINE ELS NATER TAXA MARINES SUMMARY ERNAS DEFAULTERS LINE ELS NATER TAXA MARINES SUMMARY Tels Tels Tels Tels Rater * MCSprenzy Cop* Biney Rater States Target Rate 55 / //eg Default Target Rate 55 //eg 56 //eg 56 / | 22. | | Unit Cost | \$20.00 | / lbs | | | Maximum Rate | | | 40.00 lbs / ad | c |
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| he for da dddioual information about the material. QEED SEARCH Name * AC Synerzy Crop * Barley Crop * Barley Wint Crot S55.07 /bag Purchased Units * Liseeds Unit Crot S55.07 /bag Penshy br/ft ² Adacimum Rate _ 15/ ac Macimum Rate _ 15/ ac Macimum Rate _ 15/ ac Denshy br/ft ² NPUTS & MATERIALS _ chemicul.S _ FRETULZERS UNE _ SEEDS _ WATER _ TAUK MXES _ SUMMARY Tank Mix Properties Form * Liuid Alternate Targe Rate Default Targer Rate Default R | RIALS CHEMICALS | FERTILIZERS LIME | SEEDS WATER | TANK MIXES S | UMMARY | | | | | l | CANCEL | SAVE |
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When using materials with AutoSync be sure to fill in the information on the Controller tab. This communicates additional information relevant to Precision-IQ displays. Any Chemicals, Fertilizers, Seeds, or Tank Mixes will need these details included.

- 1. Click in Inputs & Materials
- 2. Select the material tab (Chemicals, Fertilizers, Seeds, or Tank Mixes)
- 3. Select Edit Material
- 4. Click on the Controller tab and then enter the information

Note: If no value is entered for minimum rate, the system will default to zero.



AutoSync | Device Setup Online

FARMER CORE ONBOARDING

| 2019 - » | Inble. Jump t | o field 👻 | Fleet Data Tra | nsfer Console | | | • | , ↓ ∍ (?) ⊞ | | |
|-------------|------------------|--------------------|------------------------------|--|--|-----------------------------------|----------|--|--|--|
| ↑ = | Ente | r Serial Number | All devices Serial Number | • License Expiration | Firmware Version | Vehicle | AutoSync | MANAGE - | | |
| H1 | | GFX-750 GFX-750 | 5621234567 5622345678 | 02/20/2021 | 6.50.000 | John Deere 8R 8345R Magnum 340 | On On | MANAGE - MANAGE - | | |
| 4 13 | | | 0022340078 | Device Settings GFX-750 - 5621234567 | | | | | | |
| * , @ | | | | Active Display License Expires 02/20/2021 | | | | | | |
| | | | | this display (Precision Choose what's auto displays and Online Vehicles Implements Materials Operators | matically synced between your Precision- | IQ | | | | |
| | | | | | CANCEL SAVE | | | | | |

After turning on AutoSync in PIQ, you are then able to view and make adjustments to each connected device's settings (note that all resources are required to sync when using Work Orders with AutoSync.

- 1. From the Farm Menu, click Equipment
- 2. Select the **Devices** tab
- 3. Click Manage>Settings
- 4. The checkmark to Automatically sync field data between Trimble Ag web, mobile, and this display (Precision-IQ) will control whether AutoSync is on or off..
- 5. Choose what's automatically synced between your Precision-IQ displays and Online Software.
 - Note that all items must sync and cannot be unselected if Work Orders is turned on.
 - Device Settings can also be configured in the Vehicle properties window by clicking the Settings link..



Set up | Operator Sign In

FARMER CORE ONBOARDING

| enu | | ~~ | | | | | | | | | | Availability | |
|------------|----------|-------|---------|--|--------------------|--------------------|------|----------|------|----------|---------------------------------|-----------------------------|---|
| Vehicles | | | | Operator Na | me | Login | J | ob Title | | Group | s | All | |
| | | | | Byard, Gwen | | GByard5054 | | | | | | Active | |
| Alerts | | | | Collins, Mark | | mcollins | | | | CSU Sta | əff | Active | |
| Operato | rs | | | Demo for FWIM | CF | CDemo for FWIM5566 | 5 | | | | | Active | |
| | | | | Demydenko, Sei | gii | Demydenko | | | | Trainee | • | Active | |
| Utilizatio | n | | | | | | | | | CC11 C+1 | | | |
| | Phone Sy | | | tem Access | Equipment Operator | | | | | | | | |
| | | | | t Operator | | | | G | roup | (S) | There are no a your organiza | groups defined for tion. | |
| | | Ар | olicato | or License | | | | | | | | | _ |
| | | | | Unit Cost | | | / hr | | | | | | |
| | | | | | | | | | | | | Manage Groups | |
| | | 🗹 Tri | mble | Display Acce | ss 🚹 | | | | | | | | |
| | | Ор | erato | or display sign in: ON - Change | | | | | | | | | |
| 2 | | | Sig | gn In ID 🔒 | | | | | | | | | |
| | 4 D | | | it PIN * 🔒 | | | | | | | | | |
| | | | | Access 🕕 | | Access | | | | | | | |

- 1. Click the Change link next to Operator display sign in, to turn on. (this is a global setting that affects all connected PIQ displays)
- 2. 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. Define Trimble Display Access level
 - e. Click on Precision IQ Access drop down:
 - i. Full Access > Operator can edit and change any information in the display including Work Orders tasks
 - ii. Select Only > Operator is in the View Mode. Cannot edit or make any change in the display.
 - f. Click Save

Please Note: Displays will need to connect to Online to receive the instruction to require Operator Sign In. After this setting is received by the display a reboot will be required for Operator Sign In to be active.



0.3.b

Work Orders[™] Feature



Work Orders | Requirements and Setup Steps

FARMER CORE ONBOARDING

Objectives: In this session you will learn how to set up Work Orders.

Work Orders Requirements

- PiQ-enabled display
- Wireless cellular connectivity for display
- $\circ~$ Firmware Updated :
 - GFX-750: 2.50, GFX-350: 1.50, TMX-2050: 6.50
- $\circ~$ Trimble Ag Software account and Display Licenses (Farmer Core)
- AutoSync Turned On

Work Order Setup Steps

- **1. Display**: Setup and Enable AutoSync in Precision-IQ (see Section 0.3.a)
- **2. Display:** Allow AutoSync to sync (syncs vehicle and implement profiles to Online)
- 3. Web: Enable Work Orders in Online
- 4. Web: Create a Work Order

Then you will see other two useful steps:

- 1. How to disable Work Orders
- 2. How to enable or disable an Operator Sign in



Watch this <u>video</u> to learn more.

Work Orders | Various Options

FARMER CORE ONBOARDING

Objectives: In this session you will learn how to create an Work Orders and send it to display.

Various Options

- Create a Work Order Online
 - \circ Flat rate
 - VRA Rx
- Create a Work Order in the Display

Work Order VRA Rx Materials - Version 1

| Types | Flat Rate | VRA |
|--------------------------------------|--------------|--------------|
| Seed - Single Variety | \checkmark | \checkmark |
| Seed - Single Product | \checkmark | \checkmark |
| Fertilizer - Single Product - Dry | \checkmark | \checkmark |
| Fertilizer - Single Product - Liquid | \checkmark | \checkmark |
| Tank Mix - Chemical | \checkmark | Coming soon |
| Tank Mix - Fertilizer | \checkmark | Coming soon |
| Water | \checkmark | |



Work Orders | Turn On in Online

FARMER CORE ONBOARDING

|): Trimbl | e . Far | m | Field | Fleet | Data Transfer | | |
|-------------------------|----------------|-------|-------|------------------|-------------------------------|--|---|
| 020 - J Ienu Home | ump to fi | eld 🕶 | « | FARM : Fields | Sync Activity Manage Files | Settings Syncing Im API Connections | |
| | | | | | | Trimble. Farm Field 2020 - Jump to field - | Fleet Data Transfer |
| | | | | | | Menu « GJ Sync Activity Manage Files Settings | SETTINGS SYNCING API CONNECTIONS Processing Options Automatically create operators added on field displays Ø Automatically create vehicles added on field displays Ø Automatically create fields added on field displays |
| | | | | | | | AutoSync Options Choose what's automatically synced between your Precision-IQ displays and Online Software. Display Work Orders: On - Turn Off Allows you to send Work Orders to your Trimble Precision-IQ displays. Your operators will also now be asked to choose a Work Order when using your displays. Requires a GFX-750, TMX-2050, XCN-1050 or XCN-2050 display with AutoSync enabled. When this setting is enabled, the AutoSync Options for Fields. Vehicles. Implements. Materials and Operators are defaulted to "on". |
| | | | | | | | Operator Sign In: On - Turn Off Require all of your operators to sign in to your Trimble Precision-IQ displays. |

- 1. In Online, navigate to Data Transfer > Settings > Syncing
- 2. Display Work Orders: On Find the Display Work Orders option, then click the Turn On link to activate display work orders. You must have at least one Trimble PIQ display with an active display license before the Work Orders screen will become available in the Online account.

Trimble

Online | Create a Work Order with Flat Rate



- 1. To access Work Orders, click on Field > Work Orders
- 2. Click on +ADD blue button and select the type of Work Orders you want to create.
- 3. We are going to use Seeding Work Orders for this demo.
- 4. Now, select the field you want to create a work order, you can also select multiple fields if you want to send the same task across different fields.
- 5. Next, Add the Planned Date for the job and the Due Date and hit Apply
- 6. Go to the next screen, **Vehicle.** Click **+ADD** on the right top corner in the page and select the vehicle that will perform this job. You can also allow the Operator to choose the vehicle id desired by clicking the check box on the top
- 7. Go to Implement and proceed in the same way.
- 8. Now in the Material Tab, select **Add Material** and then in the button **+ADD**. Choose the material in the list and click ADD. If no materials are available, visit Session **0.2.d** to learn how to add a material. You can fill out SEED Source for information purpose. The information entered in that session does not go to the display.



Online | Create a Work Order with Flat Rate

FARMER CORE ONBOARDING



Continuing...

- 9. Next Step is the Operator Tab. If you want to define an operator for this job, click in +ADD and select the operator in the drop list and then ADD. If you want to make this job available to any operator, then you can select the check box on the top: "Allow any operator to complete this Work Order".
- 10.Now on the Weather **Restriction** tab you can enter with any weather information you may want the Operator to consider in the display before proceeding with the job. This information shows up in the display, but it has to be checked by the operator through other data feed. Fill out what you need to restrict and click **SAVE**.
- 11. The last tab is the **Guidance Lines.** The Guidance Lines from the display will be synced into Online when you turn-on AutoSync. You can then select the guidance line that's going to be used for this job, or let the operator to choose in the display. Click **SAVE**.
- 12. Your Work Orders is now completed and ready to sync to display.



Online | Create a Work Order with VRA Rx

FARMER CORE ONBOARDING



- 1. Repeat Steps 1 to 7 from the session Create a Work Order with Flat Rate.
- 2. Now, in the Material Tab, select click +ADD. Select the desired product and click ADD.
- 3. A new window is going to show up and you should select the Variable Rate option.
- 4. As part of this workflow you will need to upload and third party prescription in a shapefile format. The system will request the three file components: .shp, .dbf and .shx. The .prj is optional.
- 5. As soon as the file is read, make sure you select the units in the dropdown and click **NEXT**.
- 6. Enter with Lead Time (The estimated amount of time it takes for your rate valves to adjust when entering a new prescription zone) and Off -prescription Behaviour. There are three options to choose from: Zero Rate, Last Rate and Default Rate. The Default rate is defined in your PiQ settings. Select your option and click Ok.
- 7. Repeat the steps 8 to 11 from the session Create a Work Order with Flat Rate.
- 8. Your Work Orders is now completed and ready to sync to display.

Trimble
Mobile | Create a Display Work Order



FARMER CORE ONBOARDING



| Bell 🖗 🖪 🕘 🛛 🗢 🗣 🖌 🔒 11:53 | Bell 🔅 🗖 🕒 🗢 | ▼ ▲ 11:55 | Bell 🖗 🗖 🕘 😑 | ▼ ▲ 월 11:55 | Bell 🔅 🗖 🔍 | V 🖌 🔒 11:56 |
|------------------------------|---------------------|-----------|-------------------------------|-------------|---------------------|--------------------|
| < Materials | < Vehicles | | < Implements | 8 | < Operators | 8 |
| Test 2 | Ag-Chem RG1100 | | Calgary Implement 1 | | barani | |
| | Calgary vehicle | | Field Cultivator Name Changed | | Barani M | |
| | New Holland CR10.90 | | I Pro Choose a Profile | | Chris Paul | |
| Fertilizers + | Sprayer #1 | | IPr | | Kevin Pattison ASW0 | |
| Seeds + | Test 1 | | I Profile 3 | 0 | Kevin Hepp | |
| Tank Mix + | | | I Profile 3 | | Leroy Jenkins | |
| | | | I Prc Pull Type Sprayer | | Shrey Desai | |
| | | | IPr Cancel (| Ok 🗖 | test | |
| | | | Impl 10 | | test_001 | |
| | | | Impl 11 | | test002 | |
| Total Task Costs \$ 0.00 /ha | | - 1 | Impl 13 | | | |
| | ⊲ O | | ⊲ 0 | | ⊲ 0 | |

Create Display Work Orders from Trimble Ag Mobile

- 1. Use the + (plus sign) in the upper right corner to add a new work order
- 2. Add Fields, General Details, Materials, Vehicles, Implements, Operators, Weather Restrictions, and Guidance Lines
- 3. Search materials from your available My Materials lists for Fertilizers, Seeds, and Tank Mixes
- 4. Select Vehicles and Implements with synced profiles
- 5. Save the Work Order and Sync the mobile app to sync to your connected devices



Mobile | Email Work Orders

FARMER CORE ONBOARDING



Share Work Orders via email

- 1. If you created Work Orders in the mobile app, make sure you Sync to online before proceeding, this step is required for the report generation..
- Click in the Work Orders tile and select the Work Orders you want to share via email. Press on the boundary icon to add a checkmark to each work orders to include. The list of Work Orders will be a combine list of all Work Orders created, either from online or mobile app.
- 3. Click on the "Report" button 📝 on the top right menu.
- 4. In the pop-up window indicate whether you would like the work orders grouped into a single link (Yes) or if you want each work order to have a separate link (No).
- 5. Select the method for sharing the Work Order Detail report from your device options.
- 6. The Work Order Detail report is now shared! The recipients will receive an email with a link to open the Work Order Detail report.



Watch <u>this video</u> to learn more.



Display | Visualize and Execute Work Orders



- 1. Start **PIQ** in the display
- 2. Click on the Home button
- 3. Select the Work Order that you want to execute
- 4. Check if everything is working before you proceed:
 - a. All the Components: **Work Order, Vehicle Profile, Implement** and **Material** should be green. If not, please see the next page.
 - b. Check if the Rx shows the attachment (only required for VRA prescription)
 - c. Weather Restrictions are going to be informed. Operator must use third party apps to verify the current weather
- 5. If you confirm that everything is working well, click on the Run button on the top of PIQ to execute the task



Display | Change Vehicle and Implement Profile



- If the Work Order selected does not have a Vehicle or an Implement or showed a yellow exclamation point instead of a green button, the operator will need to click on the item that requires further action to fix it.
 - a. Another window is going to open and the operator can select the correct item (vehicle/implement/material) to perform the job.
 - b. If nothing is available, the operator must follow the steps to add a new vehicle or implement profile that will be used to perform this job
 - c. Follow the instructions and provide all required information.
 - d. Once completed, the Vehicle and/or Implement is going to be shown for selection.



Display | Pause or Complete a Work Order



- **1.** As the Work Order is started, the operator will always have the option to click on the Home red button to:
 - a. Pause and Stop a work order to complete another time
 - b. Mark as complete when the task is done
- 2. As the auto-sync is turned on, the job executed will automatically sync to online and be available for you verification in the Equipment Activity.
- 3. Next, visit the session 0.4 to learn how to visualize the data in different areas of the online software and create reports.



Display Create a New Work Order

FARMER CORE ONBOARDING



- 1. From the Work Orders Selection Screen, click the Create New button
- 2. Select the details for each task tile (Work Order, Vehicle Profile, Implement, Material, Field)
- 3. When all task tiles are green, click Save.
- 4. Click the Run button to perform work as usual in the field.
- 1. Click the Stop button to pause or complete the work order.



Trimble

Disable Work Orders Display and Online

FARMER CORE ONBOARDING



Display

- 1. From PIQ Settings, click on Syncing Features
- 2. Scroll down to the bottom and find Work Orders
- 3. You can temporarily disable Work Orders in a specific display.
- 4. Switch the button to **on**
- 5. PIQ will go back to the normal screen default
- 6. Work Orders functionality will resume after a display power cycle.

Online

- 1. Go to Data Transfer menu
- 2. Click Syncing option
- 3. Then turn OFF Work Orders option
- 4. This will prevent all connected displays in theis Org to use Work Orders
- 5. It requires this option to be turned **ON** online for the displays to access Work Orders



Manage Operator Sign in from Online

FARMER CORE ONBOARDING

| Trim | ble. | Farm | Field | Fleet | Data Transfer | Console | | | | | |
|-----------|-----------|------------|-------|----------|--|---|--|--|--|--|--|
| 2020 🗸 | Jump | to field 👻 | | | | | | | | | |
| Menu | | | ~~ | SETTINGS | SYNCING | API CONNECTIONS | | | | | |
| らう Sync / | Activity | | | Process | sing Options | | | | | | |
| Mana Mana | ige Files | ; | | 🗷 Autor | matically create oper | rators added on field displays | | | | | |
| 🔅 Settin | ngs | | | | - | cles added on field displays Is added on field displays | | | | | |
| | | | | | AutoSync Options Choose what's automatically synced between your Precision-IQ displays and Online Software. | | | | | | |
| | | | | Allows | Display Work Orders: Off - Turn On Allows you to send Work Orders to your Trimble Precision-IQ displays. Your operators will also now be asked to choose a Work Order when using your displays. Requires a GFX-750, TMX-2050, XCN-1050 or XCN-2050 display with AutoSync enabled. | | | | | | |
| | | | | | or Sign In: Off - Tu re all of your operato | urn On ors to sign in to your Trimble Precision-IQ displays. | | | | | |
| | | | | | | | | | | | |

Online

- 1. Go to Data Transfer menu
- 2. Click Syncing option
- 3. Then find the Operator Sign in option
- 4. Turn OFF that option if you don't want the operator to login with his credentials in the display
- 5. Turn ON that option if you want the operator to login with his credentials in the display
- 6. This will be applied to all operators access to all displays associated with this Organization

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Prescriptions



Online | Prescriptions Tab Overview

FARMER CORE ONBOARDING

| (©:Tri | mble . Farm Field I | Fleet Data Transfer Console | * 🕸 0 🏢 |
|--------|-----------------------------------|--|---|
| 2020 - | Jump to field 🗸 | | |
| »> | | | × |
| * | | | |
| & | | | Here you can add prescriptions and send them to equipment |
| 2 | | Here you can add prescriptions and send then | ADD |
| 2 | | ADD | Upload from ZIP File շ ^{իդ} |
| P | | | Create from Zones |
| Rx | | | |
| 000 | | | |
| ø | | | × |

| (@:Trim | nble. | Farm | Fie | eld I | Fleet D | oata Transfer | Console | | | | | . | 2 | ? | |
|----------|------------|------------|--------|---------|--------------|---------------------------|---------------------|------------------|--------|-------------------|---------------------------------|-------------------|---------|-----------|--------------|
| 2020 - | Jum | p to field | - | | | | | | | | | | | | |
| » | Sear | ch | | | | | | | | | | 2 | SEND | + ADI | þ |
| | Q F | ILTER BY | • | © CLI | EAR FILTER | Active Filte None | er | | | | | | | | |
| & | | Prescri | ption | | | ~ | Date Up 🔻 | Field | ~ | Material | Added to Wo | Status | ; | ~ | |
| | | ARDEC_ | OurNev | vFarm_O | urNewField_ | Barley_11-52 | 11/11/2020 | Field 1 | | 11-52-00 (MAP) | No | | | | ^ |
| | | | | | | | | | | | | Send to Delete | Vehicle | Ð | |
| | | | | | | | | | | | | | | - | |
| P | | | | | | | | | | | | | | | |
| Rx | | | | | | | | | | | | | | | |
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| / | | D Pi | age 1 | of 1 | | | | | | | | | 1 - 1 0 | f 1 items | |
| | | | | | © 2011 - 202 | 20 TRIMBLE. INC. ALL RIGI | HTS RESERVED. TERMS | OF USE TERMS C | E SALE | PRIVACY | | | | | _ |

The Prescriptions tab has been added to create, store, and send prescription files to connected displays

- create from externally saved shape file prescriptions saved as a zip file
- create from zone maps uploaded or created in Farmer Core

Send directly to any AutoSync or Office Sync display All material types are supported

- Fertilizers, Seeds, Chemicals, Tank Mixes
- Prescriptions that are saved are not able to be edited
- Delete a Prescription and recreate to make any changes
- Deleting a Prescription will not send a delete request to the display via AutoSync



Online | Add Prescription from Zip File

FARMER CORE ONBOARDING



Add Prescription from Zip File

- 1. Open Field>Prescriptions
- 2. Click the Add button
- 3. Select the Upload from ZIP file option
- 4. Browse to the file location where the zip file has been stored, select the file, and click Open
- 5. Use the drop-down menus to select the Field and Material for the prescription
- 6. Verify the Rate Column and Rate Units
- 7. Click Send To Vehicles to send to any AutoSync or Office Sync connected display for your Organization the file will also get saved to the Prescription page.
- 8. Alternately, click the Save button to save the prescription and send to connected displays at a later time.



Online | Add Prescription from Zones Create Zone Map



- 1. Open the field where the zone map is going to be created
- 2. Select the GIS tab
- 3. Open the Zones tab
- 4. Click on the Manage button
 - a. Add Zone From Shapefile (the shapefile for zones must have unique ids for each zone) b. Draw New Zone
 - i. Use the drawing toolbar in the map view to manually create the desired zones, then click the Save button
 - ii. Enter the New Field Zone Name and select the desired color assignment for each zone, click the Save a New Field Zone button then click OK on the Success confirmation window.



Mobile | Management Zone Creation

FARMER CORE ONBOARDING



1. In the mobile app, select the "fields" tile from the home page, and then choose the field you want to create a zone for.

2. You will then see a field map at the bottom of the page. Click on the grey bar above the field map to expand it to full screen.

3. Click the "+" sign in the bottom right corner. Check off the "management zone" option, set a name for the zone and click ok.

4. Choose to either drive or draw the zone. Click "+add", set the zone name, zone ID, and color for the zone, then click done.

5. If you are driving the zone, click "start" and begin driving the zone boundary. If you are drawing the zone, move the X to the desired spot, click "+add point" then repeat the process to begin drawing out the first zone in the set.

6. By default we carve out the existing boundary and create it as a "zone O" at the start of this process. When you finish adding the first zone in the set, and start another one, you will see this zone O created as well. You can either override it and turn it into a zone in the set, or leave it be and delete it online once the zone creation process is finished.

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Mobile | Management Zone Creation

FARMER CORE ONBOARDING



7. Set the zone ID, zone name, and zone color for the second zone in the set.

8. Drive or Draw out the second zone in the set by clicking "+add point" until you first point in the zone again, which will close out the zone. Repeat steps 7 and 8 for each zone in the set until you are complete with the zone set.

9. Once you are finished, hit the save icon and you will see the newly created zone as a visible layer on the field map.

10. Click the layers icon (3 squares stacked on top of eachother) and navigate to the zones tab. You will see the zone listed there where you can enable it or disable it as a layer showing on the field map. Once you sync the mobile app, this zone will also be available online under GIS>zones.

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Online | Add Prescription from Zones



FARMER CORE ONBOARDING

Create from Zones

- 1. After saving the zone map in the GIS tab, return to the Prescriptions tab.
- 2. Click the Add button, then select Create from Zones
- 3. Select the Field in the Select Field window, then click Next
- 4. Select the Material in the Select Material window, then click Next
- 5. Enter a name for the prescriptions in the Create Zone Prescription window
- 6. Use the Zones drop down menu to select the previously saved zone map
- 7. Enter the Lead Time and Off-prescription behavior
- 8. Manually enter the rate for each zone
- 9. Click Send To Vehicles to send to any AutoSync or Office Sync connected display for your Organization the file will also get saved to the Prescription page.
- 10.Alternately, click the Save button to save the prescription and send to connected displays at a later time.



Online | Send Multiple Prescriptions

| ()): Trin | | Farm Field Fleet | Data Transfer Consc | ble | | | 1 🏚 😧 🏢 |
|-----------------|-----|----------------------------|---------------------|----------------------------|---------------------------|----------|-----------------------------|
| 2020 🗸 | Jun | np to field 👻 | | | | | |
| »» | Sea | rch | | | | L | SEND + ADD |
| | Q | FILTER BY 🕲 CLEAR FIL | TER None | | | | |
| & | | Prescription ~ | Date Uploaded 🛛 🗸 🗸 | Field | Added to Work Order 🛛 🗸 🗸 | Status | ~ |
| Ť | | RX TF2 | 11/11/2020 | Training Field 2 | No | | 1 |
| 2 | | TrainingField1_Barley_AACS | 11/11/2020 | Training Field 1 | No | | 1 |
| 2 | | 4 zone rx | 11/10/2020 | Training Field 1 | No | View | 1 |
| 2 | | test from zones | 11/05/2020 | Training Field 1 | No | View | 1 |
| P | | Planting RX for 350 | 10/06/2020 | Home Field | Yes | | 1 |
| | | Fert GIS-RX-download | 10/06/2020 | Home Field WOTest072020 | Yes | | 1 |
| Rx | | GIS-IV-COMITION | Send Prescri | | * | | |
| 0 | | | Send Tresen | | | | |
| | | | Send files to supp | ported vehicle displays. | | | |
| | | | 🖨 🗆 Unas | | | | |
| | | | | SE Tractor | | | |
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| ۵. | | | @ 2011 - 2020. | | | | v |
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| | | | | CANCEL | SEND | | |
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| | | | | | | | |
| | | | | | | | |
| ©:Triı ©:Tri | | | Data Transfer Cong | Prescription(s) Sent! | × | | ⊥ ↓ ² ? Ⅲ |
| 2020 - | Ju | mp to field 👻 | | | | | |
| »> | Sec | arch | | | | | SEND + ADD |
| | Q | FILTER BY | LTER None | | | | |
| & | | Prescription | Date Uploaded | √ Field | Added to Work Order | ~ Status | ~ |
| | | RX TF2 | 11/11/2020 | Training Field 2 | No | | 1 ^ |
| | | TrainingField1_Barley_AACS | 11/11/2020 | Training Field 1 | No | View | : |

- 1. Create and save the prescriptions on the Prescriptions tab
- 2. Select the desired prescription files by placing a checkmark in the checkbox
- 3. Click the Send button in the upper right corner
- 4. Select the desired AutoSync and Office Sync connected vehicles from the Send Prescriptions window
- 5. A Prescriptions Sent confirmation popup will appear when sent.



Online | Sent Prescriptions Status

FARMER CORE ONBOARDING

| 2020 | - Jun | np to field 👻 | | | | | | | | | |
|-----------------|-------|-----------------|-------------|---------------|-----------------------|-------------------------|----------------|------------|----------|--------|-------|
| >> | Sea | rch | | | | | | | | SEND | + ADD |
| 1 | Q | FILTER BY 👻 | CLEAR FIL | LTER None | ve Filter e | | | | | | |
| æ | | Prescription | ~ | Date Uploaded | ~ | Field | Added to | Work Order | ~ Status | | ~ |
| | | RX TF2 | | 11/11/2020 | | Training Field 2 | No | | | | E ^ |
| 2 | | TrainingField1 | Barley_AACS | 11/11/2020 | | Training Field 1 | No | | | | |
| _ | | 4 zone rx | | 11/10/2020 | | Training Field 1 | No | | View | | ÷ |
| | | test from zone | s | 11/05/2020 | | Training Field 1 | No | | View | | ÷ |
| 6 | | Planting RX for | 350 | 10/06/2020 | | Home Field | Yes | / | / | | 1 |
| d History | | | | | | × ^{ield} | Yes | | | | |
| escription File | 4.7 | one rx | | | | 072020 | Yes | | | | 1 |
| ld Name | | ining Field 1 | | | | Send History | | | | | × |
| e Sent | | Vehi | cle | Device | Status | Prescription File | 4 zone rx | | | | |
| 1/2020 5:36:06 | 5 PM | SE T | Tractor | GFX-350 | Pending | Field Name | Training Field | 1 | | | |
| | | | | | | Date Sent | | Vehicle | Device | Status | |
| | | | | | CLOS | E 11/11/2020 5:36:06 PM | 1 | SE Tractor | GFX-350 | Sent | : |
| | | | | | | - | | | | | |

View the status of sent prescriptions

- 1. Open the Field>Prescriptions tab
- 2. Sent prescriptions will show a View link in the Status column
- 3. Click the View link to open the Send History window
- 4. Details for each vehicle where the prescription has been sent will be displayed
 - a. Date Sent
 - b. Vehicle name
 - c. Device type
 - d. Status (Pending, Sent, or Cancelled)

Trimble

0.4

Uploading Data





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 |
| | | 11/01/2018 | ¢• |
| | | 11/01/2018 | Sync Data Manage Companies Delete |
| JOHN DEERE | | 11/01/2018 | Q.4 |
| | | | Settings Import Fields Import Files |
| | | | Delete |

- 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
 - \circ 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 <u>video</u> to learn more.

Option 2 | Trimble Display



- 1. 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
- 2. 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

| From Vehicles | lanually upload the following t | type of files | | | | | |
|---|--|---|------------------------------------|------------------------------|-----------------------------------|---|-----|
| To Vehicles Upload Resource Exports | Upload machine collect Business Solutions we Upload data to share video of the sha | with your advisor | to Trimble Ag | Drop Files to Upload Here | | | |
| | Deliver Prescription m displays | aps and resource files to con Select Files | nnected | Or Upload File | | | |
| | Upload Imagery to Far | | | | × | Upload Shape File | |
| | GeoTiFF | The .prj file is only required if th | e shape file is not in WGS84 forma | t. Select the upload method. | | Select the type of shape file being imported. | - 1 |
| | Slingshot vehicles | .shp File plan | ting.shp SEL | ECT | ole Ag Business Solutions website | | - 1 |
| | Single prescription shapefile upload your prescription as .dbf, then select a vehicle wit | | iting.dbf SEL | | | Topo EM/EC Soil Sample Locations Soil Target Locations | |
| | | .prj File (optional) | SEL | ECT | | Management Zone Boundaries Task | |
| | | | CANCEL | | CANCEL | NEXT CANCE | - |
| 1 - Test 2 | 1 - Test 2 | | | | | | |
| 93.50 ac 02/25/2019 8:00:00 AM | Crop Zone Choose | | • • | | | | |
| | Operation Choose | O Manage Opera | * ation Types | | | | |
| | Task Name | | | | | | |
| | Start Date/Time 02/25/26 | 019 8:00 AM | End Date/Tim | 1e 02/25/2019 8:00 AM | | | |
| | Time Worked | 0.03 | hrs Area Works | d 93.50 ac | | | |
| | Resources Conditions Notes | | | | | | |
| | | ADD OPERATOR ADD V | TEHCLE ADD IMPLEMENT Re ADD I | MATERIAL | | | |
| ₽. | | | | | | | |

- 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 <u>added</u> 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
 - $\circ~$ Select the Vehicle and Click Upload
 - Monitor the processing status of your upload via From Vehicles tab



Watch this <u>video</u> to learn more.



- 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..."
 - $\circ~$ 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 <u>added</u> ahead of time to populate in the list
 - All other details are optional.
 - Click Save
- 3. To upload display data
 - $\circ~$ 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
 - $\circ~$ 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

| | | | Upload Shape File | Upload File | | Choose Field | d(8) | × | | |
|--|---|-------------|---|--|--|--|---|----------------------------------|--------------------|-----------------------|
| .prj file is only required | l if the shape file is not in WGS84 fo | ormat. | Select the type of shape file being impo | rted. Select a vehicle to associate the file | with. | 0 0 0 | | | | |
| .shp File | B1_Yield_20150922.shp | SELECT | 🐵 Торо | Unassigned | | • | nd Test Farm | | | |
| .dbf File | B1_Yield_20150922.dbf | SELECT | ENVEC Soil Sample Locations | 🕫 👷 Combine | | | | | | |
| .shx File | B1_Yield_20150922.shx | SELECT | Soil Target Locations Management Zone Boundaries | | | | | | | |
| .prj File (optional) | B1_Yield_20150922.prj | SELECT | Task Wetness Potential | | | | | | | |
| _ | CANCEL | UPLOAD | | NEXT CANCEL | CONCEL | I _ | CANCEL | | | |
| oload Shap | e File | | | Vehicle assignment | | 500 | | | | |
| | | | | | | | | | | |
| Flow | • | | • | GPS position, time | 500 internigred 7.28 aC 02/21/2019 8:00:00 AM | Uncesigned Crop Zone | 2018 Corn (500) | | | |
| | | | | One of the following | 5000 0000-000 7288 62/21/20198:00:00 AM | | 2018 Corn (500) Harvesting Manage Operation Types | | | |
| Flow Yield | • | | • | One of the following Wet Yield Flow (with units) | 2000-000 7.2386 02/21/2019 8:00:09 AM | Crop Zone | Harvesting • | | | |
| | | | | One of the following Wet Yield Flow (with units) Dry Yield Mass (with units) | 02/21/2019 8:00:00 AM | Crop Zone Operation | Harvesting Manage Operation Types | End Date/Time | 02/21/2019 8:00 AM | |
| Yield Width | • Width • | ft | | One of the following • Wet Yield Flow (with units) • Dry Yield Mass (with units) • Wet Yield Mass (with units) | 02/21/2019 8:00:00 AM | Crop Zone Operation Task: Name | Harvesting Manage Operation Types Corn Harvesting | End Date/Time Area Worked | | 8 20 |
| Yield | · · · · · | ft | | One of the following • Wet Yield Flow (with units) • Dry Yield Mass (with units) • Wet Yield Mass (with units) Optional (recommended) | 92/21/2019 800:00 AM | Crop Zone Operation Task Name Start Date/Time Time Worked Resources Harvest | Harvesting • • Manage Operation Types Corro Harvesting 02/21/2019 8:00 AM 0.00 hrs | | | 3 ac |
| Yield Width Wet Yield Mass | • Width • | ft | | One of the following • Wet Yield Flow (with units) • Dry Yield Mass (with units) • Wet Yield Mass (with units) Optional (recommended) • Moisture (highly recommended) | 92/21/2019 800:00 AM | Crop Zone Operation Task Name Start Date/Time Time Worked | Harvesting • • Manage Operation Types Corro Harvesting 02/21/2019 8:00 AM 0.00 hrs | | 7.28 | |
| Yield Width Wet Yield Mass Commodity | Width • Wet_Yield • Wheat • | ft bu/ac | | One of the following • Wet Yield Flow (with units) • Dry Yield Mass (with units) • Wet Yield Mass (with units) Optional (recommended) | 92/21/2019 800:00 AM | Crop Zane Operation Task Name Start Date/Time Time Worked Resources Harvest | Harvesting Manage Operation Types Carry Harvesting | Area Worked | 7.28 |) /bu |
| Yield Width Wet Yield | • Width • Wet_Yield • | ft bu/ac | | One of the following • Wet Yield Flow (with units) • Dry Yield Mass (with units) • Wet Yield Mass (with units) Optional (recommended) • Moisture (highly recommen • Width (with units) | 92/21/2019 800:00 AM | Crop Zone Operation Task Name Start Date/Time Time Worked Resources Area Narvesked | Harvesting Manage Operation Types Corn Harvesting 02/21/2019 8:00 AM 0.00 Ins Conditions Nates 7.28 At | Area Worked Price Quantity | 7.28 | 3 ac) /bu) bu |

- 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 then 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 autoverified



Online | Equipment Activity

FARMER CORE ONBOARDING

| | | ansfer | | | | ± | Q FILTER BY 👻 |
|------------------------|--|--|--|----------------------------|---------------------|---|---|
| Menu | ≪ Q FILTER BY ▼ O CLEAR F | Active Filter 05/10/2016 - 10/31/2018 | | | | | Date |
| Field Profiler | All Name | Date - Client | Farm | Field | Year | Crop | |
| | Spraying | 09/28/2018 9:42:21 AM Name Customer1 | North America Test | Iowa UTM n | 2018 | Wheat Winter | Client : Farm : Field |
| 🐣 Farm Map | Spraying PSM | 09/27/2018 4:00:21 PM Name Customer1 | North America Test | Iowa UTM n | 2018 | Wheat Winter | Crop |
| Crop Planner | Contraction of the second seco | 11/23/2017 9:16:08 AM AGCO | Rodney | field5 | 2017 | Corn | |
| | Contraction and the second sec | 11/22/2017 10:49:43 AM | | field04 | 2017 | Corn | Operation |
| Work Orders | 🗉 👗 rodney | 11/21/2017 3:42:39 PM | | field03 | 2017 | Corn | Vehicle |
| Equipment Activity | 🗉 🚿 rodney | 11/20/2017 8:50:16 PM | | field02 | 2017 | Corn | term la se ant |
| Sa- Equipment Activity | 🗉 👗 rodney | 11/15/2017 7:50:53 PM | | Field01 | 2017 | Corn | Implement |
| 😹 Harvest Summary | 🗎 👗 Harvest 1 | 10/11/2017 12:49:21 PM Demo Client | Stark Farm | Stark#14 | 2017 | Corn | Operator |
| | Image Interview | 04/21/2017 12:59:07 AM Demo Client | Stark Farm | Stark#1 | 2017 | Corn | Material |
| Farm Calendar | CORN HARVEST 11-8-1 | 5 11/08/2016 3:08:29 PM csu | MAIN STATION | 500B | 2016 | Corn | |
| | CORN PLANTING 5-13-1 | 6 05/13/2016 11:00:47 AM csu | MAIN STATION | 500B | 2016 | Corn | Is Verified |
| | | | D | | | | |
| | | × 🔳 | | | | | |
| m Map Inputs | See Ray CIP 149644 | | howing input totals for Task IOperators Planter, Doug 3.39 hrs Vehicles | \$0.00 / hr \$0.00 / hr | son Pour La t | Task Name Plansing Dato/Hime 04/20/2017 0-35 ne Worked wi Canditions Apows proyeer rea Worked | 211 M 042 |

- 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 the caution symbol
 i- indicated with
 - 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 |
|--------|-------|----------|
|--------|-------|----------|

- 1. Use the **Filter By...** drop down menu to filter the equipment activity list to Date, Crop, Is Verified, etc.
- 2. Click on a specific task to open the Summary view of the mapped attributes as well as the Inputs data
- 3. 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



VERIF

Online | Equipment Activity Export

FARMER CORE ONBOARDING

| | Jum | p to field 🗸 | | | | | | | |
|----|-------|------------------------|--|--|--|---|-------|-------------------------------------|---------------------|
| | Q F | ILTER BY | CLEAR FILTER 02/01/2019 - | | | | | | EXPORT |
| | 🖂 All | Name | Date 🔻 | Client | Farm | Field | Year | Crop | To Shapefile (AgGPS |
| | | m Tilling | 10/12/2020 4:05:44 PM | Test | test | Carols field | 2020 | Corn | 0.10 ac |
| 8 | | 齋 Tilling | 04/07/2020 1:33:13 PM | Field 2 | Field 2 | Field 3 Display | 2020 | Barley | 1.18 ac |
| 2 | | Spreading | 03/04/2020 6:39:51 PM | ARDEC | Our New Farm | Our New Field | 2020 | Barley | 0.17 ac |
| _ | | Spreading | 03/04/2020 6:39:51 PM | ARDEC | Our New Farm | Our New Field | 2020 | Barley | 0.17 ac |
| | | Planting | 01/13/2020 4:06:40 PM | ARDEC | ARDEC | Training Field 1 | 2020 | Barley | 0.05 ac |
| - | | 齋 Tillage | 04/40/2020 2:44:45 014 | 48055 | ARDEC | Training Field 1 | 2020 | Barley | 0.69 ac |
| P | | 🚖 Fertilize | Create Export File | × | Training Farm 2 | Training Field | 2019 | Soybeans | 78.83 ac |
| Rx | | ₩ Harvest | 5 of 13 tasks (listed by reason below) cannot be to continue? | exported. Do you want | Tra | | | | 77.32 ac |
| | | Spray 2 | Non Polygon Geometry 0 10/04/2019 9:05:00 PM - Fertilize - T | Training Client 2 - 2 | | | | | 5.72 ac |
| 0 | | Spray 1 | Training Farm 2 - Training Field • Non Polygon Geometry • 10/03/2019 11:55:00 PM - Harvest - | Training Client 2 - | Tra Your file is being created | | | | 57.52 ac |
| | | Seeding | Training Farm 2 - Training Field • Non Polygon Geometry | | Tra Your file is being created | | | | 79.92 ac |
| | | A Nitrogen first | 07/13/2019 3:35:00 PM - Spray 2 - T Training Farm 2 - Training Field Non Polygon Geometry | raining Client 2 - | My | | | | 1.99 ac |
| | _ | | Training Farm 2 - Training Field | | | | | | REASSIGN |
| • | | | CANCEL | | NTA TTEMS OF INF 1 TTEMS OF SULF 1 SEMAN | | | J-1. | REASIGN |
| 2 | | » | CANCEL CANCEL CANCEL Concentration Concentra | | | | | RELOAD | |
| 3 | | 2019 - Ju | CANCEL CANCEL Farm Field Fleet Data T mp to field - From Vehicles T0/18/202 T0 Vehicles | ransfer Console | on. Treas of HE + Treas of Gar - Leave | size | Statu | 8 RELOAD | |
| 3 | | 2019 - Ju ** (5) | CANCEL | из - алагания на на нанистити ransfer Console ю - з 11/17/2020 ∰ с Created - И7/2020 4.22:19 РМ | File Name FarmActivities_AgGP5_20201117_212 | Size 215.zp 70.6 KB | Proce | RELOAD | |
| | | 2019 - Ju >> (3 | CANCEL CANCEL Farm Field Fleet Data T mp to field - From Vehicles 10/18/202 To Vehicles - Liplosd All Filt Resource Exports 11/1 Activity Exports 11/1 | 111 - 300 17 2011 - 2011 - 2011 - 2012 transfer Console 10 - 11/17/2020 (1) 10 - 11/17/200 (1) 10 - 11/17/200 (1) 10 - 11/17/200 (| File Name FarmActivities, AgGP5, 20201117, 2112 FarmActivities, AgGP5, 20201117, 211 | Size 2(9.zip 70.6 KB 568.zip 29.4 KB | Proce | RELOAD s ssed | |
| ۵ | | 2019 - Ju >> (3 | CANCEL C | из - алагания на на нанистити ransfer Console ю - з 11/17/2020 ∰ с Created - И7/2020 4.22:19 РМ | File Name FarmActivities_AgGP5_20201117_212 | Size 21620 70.640 86420 29.443 355.20 29.443 | Proce | RELOAD s ssed ssed ssed | |

Export AgData as-applied data from Online in Shapefile format to be able to utilize your PIQ as-applied data outside of Online.

- 1. Open Field>Equipment Activity
- 2. Place a check mark beside the tasks you would like to export
- 3. Click on the Export button in the upper right corner of the screen
- 4. Select To Shapefile (AgGPS)
 - a. The output file converts PIQ AgData files into an AgGPS directory structure where the shape files are embedded
 - b. Point-based data and tasks with no coverage will notify of an exception and are not included in output file.
- 5. Click the OK button on the Create Export File confirmation window.
- 6. A zip file containing the exported as-applied data is then created and stored on the Data Transfer>Activity Export page where it can be downloaded.



0.4.b

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.



0.4.c

Yield Data Upload / Cleaning







- 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





Online | Import Data (RAW Yield)

FARMER CORE ONBOARDING

| Company Far Demo Farms + 2019 + Jump to | m Field Fleet Analytics offield • | Vorkbench Data Transfer Console | ± ♠° ⊗ ∷ |
|---|--|--|----------|
| Menu « | From Vehicles To Vehicles Upload | Manually upload the following type of files Upload machine collected data from field displays to Trimble Ag Business Solutions website Upload data to share with your advisor | |
| Manage Files | Resource Exports | Topo Topo MARC Topo MARC Drop Files Uplo Drop Files Uplo Drop Files Uplo Task Orden and resource files to connected displays UPLOAD FILe UPLOAD FILe o GeoTIFF | _ |
| pad File () | | File Sync File Sync can upload supported data files from your hard drive or a USB drive. Files can be copied to the "Trimble Ag Business Solutions Visites to Upload" folder on your hard of sync so you can upload them to the Trimble Ag Business Solutions website. Upload File | |
| t the type of file being imported imble FMX or CFX (AgGPS folder imble TMX (AgData folder) H4 Voyager 2 (CN1 folder) O (Taskbata folder) hn Deere GS3 or GS4 (GS3,2630 Leader (AGDATA file) nary Job Data (Raven) MS Job Data (Raven) up RDS ecision Planting 20/20 Monitor F |) or JD-Data folder) | Select a vehicle to associate the file with. | |
| PREVIOUS | CANCEL | NEXT | CANCEL |

- 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.

1. 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 | | Upload Shape File | Upload File | × | Choose Fiel | d(s) | × | | |
|-------------------------------|---|--|---|-----------------------------|------------------------|-------------------------------------|-----------------------|--------------------|------|
| The .prj file is only require | d if the shape file is not in WGS84 format. | Select the type of shape file being imported. | Select a vehicle to associate the file with. | | 0 | | | | |
| .shp File | B1_Yield_20150922.shp SELECT | 🐵 Торо | Unassigned | | • | ▲ Test Fam | | | |
| .dbf File | B1_Yield_20150922.dbf SELECT | ENVEC Soil Sample Locations | 🕫 🏋 Combine | | | | | | |
| .shx File | B1_Yield_20150922.stx SELECT | Soil Target Locations Management Zone Boundaries | | | | | | | |
| .prj File (optional) | B1_Yield_20150922.prj SELECT | Task Wetness Potential Soil Optix | | | | | | | |
| | CANCEL UPLOAD | NET | PREMOUS | CANCEL | ۱. | CANCEL | | | |
| Upload Shap | pe <u>F</u> ile | | | 500 harnigend 1.28 8C | 500 Unessigned | | | | |
| Flow | • | • | | 12/21/2019 8:00:00 AM | Crop Zone Operation | 2018 Corn (500) • • | | | |
| Yield | · · · · · · · · · · · · · · · · · · · | | | | Task Name | Manage Operation Typ Com Harvesting | s) | | |
| Width | Width • ft | | | | Start Date/Time | 02/21/2019 8:00 AM | End Date/Time | 02/21/2019 8:00 AM | |
| WIGHT | widti · | | | | Time Worked | 0.00 hrs | Area Worked | 7.28 | ac. |
| Wet Yield Mass | Wet_Yield 🔻 bu | ac • | | L ₂ | Resources Harvest | Conditions Notes | | | |
| Commodity | Wheat • | | | | Forn Area Harvested | 7.28 ac | Price | \$0.00 | 7bu |
| Commonly | wheat | | assignment | | Average Yield | 0.00 bu / ac | Quantity Harvested | 0.00 | bu |
| Moisture | Moisture • % | GPS pos | ition, time | | | | | | |
| Engaged | Engaged • | . One of the | | - | | | | CANCEL | SAVE |
| PREVIOUS | NEXT | CANCEL • Dry Yield | d Flow (with units) d Mass (with units) d Mass (with units) | | | | | | |
| | | | | | | | | | |

- 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

н.

- 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
 - o 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

| | Calibrate Settings | | | | | | | | |
|--|---|--|----------------|-----|---------------|-------------|--------------|--|--|
| | Equipment Acres | | Adjustment % 🕄 | | Avg. Yield/ac | | Total Yield | | |
| | Combine | 311.22 | 0 | | 1904.35 kg | 59 | 92666.49 kg | | |
| lean Yield tuns in the bac | ean Yield ins in the background and applies the following effects: | | | | 2091.03 kg | 34 | 346819.57 kg | | |
| | ted Yield Is grain flow delay, overlaps, GPS e differentially calibrated combines. | errors, and differences | | | 1969.25 kg/a | c 93 | 939486.06 kg | | |
| Divides Normali yield of patterns | lized Yield each Calibrated Yield sample poir ized yields are expressed as a per the field and can be used to comp s across different crops and years | centage of the average bare spatial yield | Total Yield | | | 93948 | 939486.06 kg | | |
| | ements quipment, Materials and other ite lies them to the Field Manager scr | | | | | | | | |
| | or more tasks into a single task. Th vith the same crop and Task Type | | | | | CLOSE | SAVE | | |
| | op zone for any task that's missing in assigned crop that matches tha | | VERIFY T/ | ASK | 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 <u>video</u> to learn more.

0.5

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 TASK | ۰ | | | |
|--------------------------------|------------|---|--|--|--|
| Edit Field D | etails | | | | |
| Delete Field | | | | | |
| New Crop | | | | | |
| Switch to Legacy Field Manager | | | | | |

- $\circ~$ Add a product application on Mobile App
- Use Farm Calendar


FARMER CORE ONBOARDING

| ELD MANAGE Check out ti | ER OVERVII | | | me. <u>View nev</u> | <u>v Field Mana</u> | iger | Edit Delete Field Split Field New Crop Save Actuals as | MANAG Crop Plan | | | | |
|---|--|---|---|-------------------------------------|-------------------------------|-------------|--|---|---|--|-------------------------|--|
| Trimble . Farm 8 • Training Field • | Field Fleet Analytics | Data Transfer Cor | isole | Upj | grade 👱 🍂 | • • • | Switch to new F | Field Mana | iger | | | |
| Traini | i ng Field g Client: Training Farm Acres | Crop: C Planted: 0 | | | | • | Training Cleat: Training Form 145.48 Acres | fity Chemicals | | 1018 | | |
| Activities Pro | g Client: Training Form Acres ofitability Seeding Fertilit | Planted: 0 | | | | 0 | Training Client: Training Form 145,48 Acres | fity Chemicals | Planted: 07/16/2 | | Profit / ac \$312.22 | |
| Training 145.48 | g Client: Training Form Acres ofitability Seeding Fertilit d Activities | Planted: 0 | 17/16/2018 | 4703 | Cost | • | Training Cirec Training Form 15.48 Acres Activities Profitability Seeding Form Incomer / ac (255/202 lite \$6448.23 Type | lity Chemicals s / ac) Total | Planted: 07/16/3 Harvest Expenses / ac \$336.0 | 1 \$71bs | | |
| Activities Pro Completer | g Glient: Training Form Acres offability Seeding Fertilit d Activities Activity | Planted: 0 / Chemicals Harvest Date • | Days After Planting | Area | Cost | | Training Cleeb Training Form 143.48 Acres Activities Profitability Seeding Fert Income / ac (1.592.08 bit \$648.23 | lity Chemicals | Planted: 07/16/3 Harvest Expenses / ac \$336.0 | 1 | | |
| Activities Pro | g Client: Training Form Acres ofitability Seeding Fertilit d Activities | Planted: 0 | 17/16/2018 | Area 152:15 ac | Cost \$281.50 | • | Actives Profig Cites Enabling form 1623 ACVICS Profitability Seeing Furt Actives Profitability Seeing Furt \$648.233 Type Seeing Further Cites Chemical | lity Chemicals s / ac) Total \$2,116 | Planted: 07/16/2 Harvest Expenses / ac \$336.0 \$/ ac \$14.54 \$294.39 \$11.35 | 1 \$7 lbs \$0.01 \$0.11 \$0.00 | | |
| Activities Pro Completee | c Client: Training Form Acres ofitability Seeding Fertilit d Activities Activity Fertilize 2 Spreading Harvest | Planted: 0 / Chemicals Harvest Date • | Days After Planting | | | | retail are retail are retail are retail are retail are retail are retailar retailar retailar retailar retailar retailar | Itity Chemicals st/act) Total \$2,116 \$42,829 \$1,651 \$95 | Planted: 07/16/2 Harvest Expenses / ac \$336.0 \$/ ac \$14.54 \$294.39 \$11.35 \$0.65 | 1 \$7.1bs \$0.01 \$0.11 \$0.00 \$0.00 | | |
| Activities Pro Completer | criters training form Acres Initiability Seeding Fertilit d Activities Activity Fertilize 2 Spreading Harvest Harvest | Planted: 0 / Chemicals Harvest Date 03/18/2018 66/18/2018 | Days After Planting -120 -27 | 152.15 ac 151.69 ac | \$281.50 \$1.24 | 1 | Activities (Detect Instanting Form Network (Section 1997) Activities (Portfacting) (Section 1997) Section 1997) Section 1997 Section 1997 | Total \$2,116 \$22,229 \$1,051 \$95 \$2,193 | Planted: 07/16/2 Harvest Expenses / ac \$336.0 \$/ ac \$14.54 \$294.39 \$11.35 \$0.65 \$15.07 | 1 \$0.01 \$0.11 \$0.00 \$0.00 \$0.00 \$0.01 | | |
| Activities Pro Completed | c Client: Training Form Acres ofitability Seeding Fertilit d Activities Activity Fertilize 2 Spreading Harvest | Planted: 0 Chemicals Harvest Date 03/18/2018 | Days After Planting -120 | 152.15 ac | \$281.50 | 1 | retail are retail are retail are retail are retail are retails | Itity Chemicals st/act) Total \$2,116 \$42,829 \$1,651 \$95 | Planted: 07/16/2 Harvest Expenses / ac \$336.0 \$/ ac \$14.54 \$294.39 \$11.35 \$0.65 | 1 \$7.1bs \$0.01 \$0.11 \$0.00 \$0.00 | | |
| Activities Pro Completer | ç Cient: Training Form Acres Inflability Seeding Fertilit d Activitites Activity Fertilite 2 Soreading Harvesti Harvesti Harvesti Soreang Soreading | Planted: 0 / Chemicals Harvest Date - - 03/18/2018 06/18/2018 - 06/18/2018 07/10/2018 - | Days After Planting -120 -27 -5 | 152.15 ac 151.69 ac 145.58 ac | \$281.50 \$1.24 \$11.50 | 1 1 1 | Actives Protog Cites Enabling form Net Actives Profitability Seeing Pert Sectores Profitability Seeing Pert Sectores Pert 233.02 bit Sectores Pe | Total \$2,116 \$22,229 \$1,051 \$95 \$2,193 | Planted: 07/16/2 Harvest Expenses / ac \$336.0 \$/ ac \$14.54 \$294.39 \$11.35 \$0.65 \$15.07 | 1 \$0.01 \$0.11 \$0.00 \$0.00 \$0.00 \$0.01 | | |
| Activities Pro Completer | c Center Training Form Access oftability Seeding Fertilit d Activities Activity Fertilite 2 Spreading Harvesting 071018 Soroking | Planted: 0 / Chemicals Harvest Date 03/18/2018 66/18/2018 | Days After Planting -120 -27 | 152.15 ac 151.69 ac | \$281.50 \$1.24 | 1 | retried clear braining form retried. retried | Total \$2,116 \$22,116 \$4,859 \$1,651 \$565 \$2,193 | Planted: 07/16/2 Expertise / ac \$3336.0 \$14.54 \$14.54 \$14.54 \$14.54 \$14.55 \$15.57 \$356.61 | 1 57/bs 50.01 50.01 50.00 50.00 50.00 50.01 50.13 | | |
| Activities Pro Completer | ç Cient: Training Form Acres Inflability Seeding Fertilit d Activitites Activity Fertilite 2 Soreading Harvesti Harvesti Harvesti Soreang Soreading | Planted: 0 / Chemicals Harvest Date - - 03/18/2018 06/18/2018 - 06/18/2018 07/10/2018 - | Days After Planting -120 -27 -5 | 152.15 ac 151.69 ac 145.58 ac | \$281.50 \$1.24 \$11.50 | 1 1 1 | Koshing Cites Exclude from Koshing Cites Exclude from Koshing Cites Exclude from Koshing (Kenter Section Koshing) Koshing (Kenter Section Koshing (Kenter Section Kos | Ity Chemicals 2/3C) Total 52,116 542,229 51,051 5595 52,110 584,884 594,305 594,305 | Planted: 07/16/2 Expenses / ac \$3336.00 \$7.ac \$14.54 \$294.39 \$11.35 \$0.65 \$15.07 \$15.07 \$15.07 \$15.07 | 1 50.01 50.01 50.00 50.00 50.00 50.00 50.01 50.13 50.25 | | |
| Activities Pro Completer | ç Cient: Training Form Acres Inflability Seeding Fertilit d Activitites Activity Fertilite 2 Soreading Harvesti Harvesti Harvesti Soreang Soreading | Planted: 0 / Chemicals Harvest Date - - 03/18/2018 06/18/2018 - 06/18/2018 07/10/2018 - | Days After Planting -120 -27 -5 | 152.15 ac 151.69 ac 145.58 ac | \$281.50 \$1.24 \$11.50 | 1 1 1 | Kold Circle Environg form Kold Circle Konner Circle Environg form Konner Konne | Chemicals 2/321 Total \$2,116 \$42,200 \$42,200 \$505 \$2,200 \$48,804 \$94,306 \$44,806 \$44,806 | Planted: 07/16/2 Expenses / ac \$3336.00 5 / ac \$16.54 \$204.39 \$11.35 \$0.65 \$15.07 \$55.07 \$55.07 \$55.07 \$55.07 | 5 / ibs 50.01 50.01 50.01 50.00 50.00 50.01 50.13 50.25 50.12 | | |

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 that have been verified on the Equipment Activity tab or added manually.
 - 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



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 i 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



FARMER CORE ONBOARDING



Manually add a task

- 1. From Field Profiler > click on the desired field
- 2. Click the Add Task button in the upper right corner
- 3. Confirm the field selection on the Choose Field window
- 4. Enter the details on the General Tab for the new task.
 - Enter a Task Name
 - Select an Operation type from the drop down menu
 - Fill in remaining details as needed on the Vehicles, Implements, Materials, Operators, and Conditions tab.
- 5. Click the Save button to save the new task.



Mobile Adding Tasks

| Field Application 13 Corn - RR - 2017-05-12 | P7005AM | 65.21 ac 2018 | | | | | | 2 | 65.21 ac 2018 | | | |
|--|---------|------------------|---|----------------------------|-----------------------|----------------------|------|------------|------------------|----------------------|------------------------------------|-----------|
| ctuals | | | Seeding 13 Corn - BR - P70 | | 08% 12:58 PM | Chemicals | | ~ 0 | ຂ⊸ ຫຼື + | C Pesticide Ap | a∗ ¥i ≋≌⊿ oplication Sea | |
| Priday Friday 12 | P7005AM | RR 🗌 | | 14 DAP] | ** 0 | Fertilizers Seeds | | | + + | Search All Recent | My Materials | Purchase |
| | | | Task Name | | Seeding | | | | | Product | | Balance |
| | | | Wed, Nov. 07 | | 0.00 Hours | | | | | AMS | | 9.99 |
| | | | Total Area | | 65.21 ac | | | | | Atrazine 4L | | -1,291.4 |
| | | | 🥌 39°F | | Overcast 11mph WNW | | | | | Banvel | | 0 g |
| | | | Cost/Acre | | | | | | | Clethodim 2E | | 2.49 g |
| | | | \$ | | | | | | | Dicamba | | 49.66 g |
| | | | Crop * C | Corn | | | | | | Dual Magnum | | -10.02 g |
| | | | Description F | RR | | | | | | Durango | | -52.67 g |
| | | | Variety F | P7005AM | | | | | | Engenia | | -309.31 g |
| | | | Rate | Cost/Unit | | Total Task Co | ists | | \$ 0.00 /ac | HalexGT | | -84.05 g |
| • – | | ć | Seeded As | \$ 0.00 See Seeded Onto | | • – | | | ć | Jet-Ag | | 30 |
| | | | Seeded As Underseeded / Refu. | | | | | _ | | LV 6 | | 90.42 g |
| | | | Total Task Costs | | \$ 0.00 /ac | | | | | Liberate | | 30.80 a |
| | | | TOTAL TASK COSTS | | \$ 0.00 /ac | | | | | Tap he | re to fill entire scree | an an |

- 1. Tap into the desired Field
- 2. Tap the desired **Input** tile
 - 0 Fill in task details (Seeding, Fertility, Crop Protection, or Harvest)
 - Tap Input tab (🔤) to add a new input 0
 - Tap the **plus** symbol beside the input type to choose input -
 - Select My Materials to review the Balance of existing purchased materials
 - Tap **Equipment** tab (2010) to add **equipment** to application 0
 - Tap the **plus** symbol beside the **equipment** type to choose equipment .
 - Tap **Operator** tab (😕) to add **operator** to application 0
 - Tap the **plus** symbol in top right corner of the app to add a **operator** to the application
 - click Save

Please note for material balances to show up, you must have previously documented purchase in **Online** or **Mobile**. For **equipment** or **operators** to show up as options in mobile, you must have set these up in the online software first. See slides



Watch this video to learn more.

FARMER CORE ONBOARDING

| ew Summary | | | | | | | Select I | /laterial(s) | | × | | |
|-----------------|--|--|-----------------------|-------------------|------|---|--------------------------------------|--|----------------------|----------------------------|------------------------|----------------|
| ew Report it | General Materials (0) Equipment (0 Task Name * | 0) Operators (0) Co Soybeans Spraying | onditions | | - I. | | Search | | | Fertilizer 0-0-60+48Cl | | |
| ete | Operation * | Spraying | | | • | | Na | MY MATERIALS | RECENT Balance | Area Applied | | 464.22 ac |
| | | | | nage Operation Ty | _ | | ₿ 0-0 | 60+48CI | 0.000 ton | Cost Target Rate | | \$358.00 / ton |
| | Crop * Start Date/Time | 2019 Soybeans (Gopher | viie) | · [| - | | □ 11- | 52-0 | 0.000 ton | Actu | al Rate: 0.00 lbs / ac | |
| | End Date/Time | 06/12/2019 8:00 AM | | | - 1 | | □ 16- | 16-16 | 0.000 ton | Quantity Used Rate Type | I Flat Rate | 0.00 to |
| | Time Worked | 00/12/2019 8:00 AM | | 0.00 hrs | 6 H. | | ■ 46- | | 0.000 t | Placement | Choose | Rate |
| | Area | | | 464.22 ac | | | 46- ALF | | 0.000 ton | MORE | | ~ |
| | Comments | | | | - L | | II can | | 0.000 lbs | | | |
| | | | | | | | | + CREAT | | | CANCEL | ОК |
| | Select Vehicle(s) | × | | | | | | Conditions | | × | | |
| | O 🔲 Unassigned | | | | | | | | | | | |
| | | | | | | | | | T WEATHER CONDITIONS | 1 | | |
| | 6120R Amazone Combine | - i | Select Operator(s) | | | × | | + GE Weather Temperature | | | | |
| | 6120R Amazone Combine Combine 2 | ĺ | Select Operator(s) | | | × | | Weather | T WEATHER CONDITIONS | | | |
| | G120R Amazone | ĺ | | | | × | | Weather Temperature Wind Wind Gusts | *F mph mph | | | |
| | 6120R Amazone Combine Combine 2 Combine 3 | Ì | Jacob James Farmer | | | | | Weather Temperature Wind | "F | | | |
| | 6120R Amazone Combine Combine 2 Combine 3 Row Crop Tractor Sprayer Tractor | | Jacob James Farmer | CANC | CEL | X | | Weather Temperature Wind Wind Gusts Wind Direction Humidity Soil Condition | ۲۶ mph Choose | | | |
| | 61208 Anazone Combine Combine 2 Combine 3 Row Crop Tractor Sprayer | | Jacob James Farmer | CANC | CEL | | | Weather Temperature Wind Wind Gusts Wind Direction Humidity | ۲۶ mph Choose | | | |
| | 6120R Amazone Combine Combine 2 Combine 3 Row Crop Tractor Sprayer Tractor | X | Jacob James Farmer | CANC | EL | | | Weather Temperature Wind Wind Gusts Wind Direction Humidity Soil Condition | ۲۶ mph Choose | | | |

Edit a Task

÷ 11

- 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 **y**our 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.



FARMER CORE ONBOARDING

| Completed Soybeans | | | | Select Material(s) | Seed 28-10RY-Advisor | |
|--|--|--|-------------------------|---|--|-----------------------|
| ng Field • W | | | + ADD | Lime | | Flat Rate Variable |
| | erials (0) Equipment (0) | Operators (0) Conditions | Multiple Products | G 🗉 Mix | Area Applied | 464.22 ac |
| ac No Materials | | | Seed | Seed | Cost | \$200.00 / bag |
| 2019 0 AM | | | Chemicals Fertilizer | Soybeans | Target Rate | 10.00 kS / ac |
| | | | Lime | 93M43 | Actual | I Rate: 10.00 kS / ac |
| | | | Tank Mix Water | S/C-3917R2X | Quantity Used | 154.74 bag |
| | | | water | S/P-P38A98X | Comments | |
| | | | | S/P-P42A52X-SU26 | | |
| | | | | Winter Wheat | SEED SOURCE | ~ |
| | | | | | • | |
| | | | | | | |
| hemical boron | × | Lime Properties | × | CANCEL | ок | CANCEL |
| | | | | | | |
| | | | | | | |
| Area Applied | 464.22 ac | Name * | 1 | | | |
| Area Applied | 464.22 ac \$0.00 / gal | Name * | | Tank Mix | ¥ Water Properties | |
| Cost Target Rate | \$0.00 / gal 0.00 gal / ac | | 100 % | | | |
| Cost | \$0.00 / gal 0.00 gal / ac | Dolomitic | | Area Applied | ac Name * | |
| Cost Target Rate | \$0.00 / gal 0.00 gal / ac | Dolomitic Purity % or % Calcium Carbonate | | Area Applied | | |
| Cost Target Rate Actual Rate: 0.00 | \$0.00 / gal 0.00 gal / ac 0.gal / ac | Dolomitic Purity % or % Calcium Carbonate Equivalent * | 100 % | Area Applies Cost 1 Target Rate 0. | ac Name * | har T |
| Cost Target Rate Actual Rate: 0.00 Quantity Used | \$0.00 / gal 0.00 gal / ac 0.gal / ac | Dolomitic Purity % or % Calcum Carbonate Equivalent * Purchased Units * Unit Cost | 100 % | Area Applied Cost 1 Target Rate 0. Actual Rate: gal / ac | ac Name * 50.00 / gal Purchased Units * Choose 00 gal / ac Unit Cost Applied Units * Choose | |
| Cost Target Rate Accual Rate: 0.00 Quantity Used Application Type Pre-Harvest Interval | 50.00 / gal 0.00 gal/ec 0.00 gal days days | Dolomitic During Nor 16 Calcium Calcium Calcium Calcium Calcium Equivalent * Equivalent * Purchased Units * Choose Unit Cost Applied Units * Choose | 100 % | Area Applies Cost 1 Target Rate 0. | ec Name* 80.00 / gal Purchased Units* Choose 00 gal/ac Unit Cost 0.00 gal Choose 0.00 gal | |
| Cost | \$0.00 /gal 0.00 gal/ac 0.00 gal 0.00 gal | Dolomitic Purity % or % Calcum Carbonate Equivalent * Purchased Units * Unit Cost | 100 % | Area Applied Cost 1 Target Rate 0. Actual Rate: gal / ac | ac Name * 50.00 / gal Purchased Units * Choose 00 gal / ac Unit Cost Applied Units * Choose | |
| Cost | 50.00 / gal 0.00 gal/ec 0.00 gal days days | Dolomitic Purtly % or % Calcum Carbonate Equivalent * Purchased Units * Choose Unit Cost Applied Units * Choose Default Target Rate % Passing Mesh | 100 % | Area Applied Cost s Target Rate 0) Actual Rate: gal / ac Quently Used | ec Name* 80.00 / gal Purchased Units* Choose 00 gal/ac Unit Cost 0.00 gal Choose 0.00 gal | har • |
| Cost | 50.00 / gal 0.00 gal/ec 0.00 gal days days | Dolomitic Purtly No r % Calcium Carbonate Cultum Carbonate Purchased Units * Choose Unit Cost Applied Units * Choose Default Target Rate % Passing Mesh Size 10 | 100 % • • | Area Applied Cost s Target Rate QJ Actual Rate; gal / ac Quantity Used Carrier | ec Name* 80.00 / gal Purchased Units* Choose 00 gal/ac Unit Cost 0.00 gal Choose 0.00 gal | |
| Cost | 50.00 / gal 0.00 gal/ec 0.00 gal days days | Dolomitic Purtly % or % Calcum Carbonate Equivalent * Purchased Units * Choose Unit Cost Applied Units * Choose Default Target Rate % Passing Mesh | 100 % | Area Applied Cost s Target Rate QJ Actual Rate; gal / ac Quantity Used Carrier | ec Name* 80.00 / gal Purchased Units* Choose 00 gal/ac Unit Cost 0.00 gal Choose 0.00 gal | |
| Cost | 50.00 / gal 0.00 gal/ec 0.00 gal days days | Dolomitic Calcium Cxhonate Equivalent * Purchased Units * Choose Unit Cost Applied Units * Choose Default Target Rate 9: Passing Mesh Size 50 Neutrationg Value 0.00 | 100 % • • | Area Applied Cost Target Rate Quantity Used Carrier Comments Ingredients | ac Name* Store / gal Store | |
| Cost | \$0.00 /gal 0.00 gal/ac 0.00 gal/ac 0.00 gal days hrs <i>k</i> | Dolomitic Purchy 46 or 46 Calcum Cahomate Equivalent * Choose Unit Cost Applied Units * Choose Default Target Rate 94 Passing Meth Size 10 94 Passing Meth Size 50 | 100 % • • | Area Applied Cost s Target Rate 0) Actual Rate: gal / ac Quentity Used Carrier Comments | ac Name* Store / gal Store | |

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



FARMER CORE ONBOARDING

| View Summary | FIELDS | Completed Soybean | | ing | | | | | | | Î. | | |
|-----------------------------|---------------------------------|---|--------------|-------------------|---------------|----------------|---------------|------------|----------|----------|--------------------|--------|---------------|
| View Summary View Report | Training Field - | | | | | | | | | | | | |
| Edit | Flat - W Training Client 1 : | | | | | | | | | | | | |
| Delete | Training Farm 1 94.88 aC | General | Material | s (0) E | quipment (0) | Operators (0) |) Conditions | Harvest | | | | | |
| | 07/25/2019 8:00:00 AM | Task N | lame * | Soybeans | s Harvesting | | | | | | | | |
| | 8:00:00 AM | Opera | ation * | Harvesti | ng | • | | | | | | | |
| | | | | | 🌣 Manage Op | peration Types | | | | | | | |
| | | | Crop * | 2018 Soy | ybeans (Train | in; 🔻 🕇 | | | | | | | |
| | FIELD | | Comp Soyb | leted eans Har | vesting | | | | | | | | |
| | Flat Trainin Trainin | ning Field - - W ng Client 1 : ng Farm 1 | Gener | ral Mat | terials (0) | Equipment (0) | Operators (0) | Conditions | Harvest | | Harvest Soybeans | | × |
| | 94.8 | 8 ac 5/2019 | Nam | ie | | Area | Price/Unit | Avera | ge Yield | Quantity | Area Harvested | | 94.88 ac |
| | 8:00: | :00 AM | Soyb | eans | | 94.882 ac | \$0.00 / bu | 0.000 | ou / ac | 0.000 bu | Area Harvested | | 94.88 ac |
| | | | | | | | | | | | Price | | \$0.00 / bu |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | Average Yield | 3 | 35.41 bu / ac |
| | | | | | | | | | | | Quantity Harvested | | 3,360.00 bu |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | CANCEL | ОК |
| | | | | | | | | | | CANCEL | SAVE | | |

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.



Online | Legacy Field Manager

| befa Orgo Syste Nonety Germ Montality Socie File Other Control Acros Germanity 51/32/07 Presson Presson Presson Presson Biological Science | Seed | | | | | | | | | | | - |
|--|--------------------------------------|--|--|---|---|--|---|---|--|---|--|--|
| Image Image </th <th></th> <th>Crop Type</th> <th>Variety</th> <th>G</th> <th>rm. N</th> <th>fortality</th> <th>ieed Plant</th> <th>ts</th> <th>Rate Comments</th> <th>Acres</th> <th></th> <th></th> | | Crop Type | Variety | G | rm. N | fortality | ieed Plant | ts | Rate Comments | Acres | | |
| 2020 1 02 ml 20 m | 5/12/2017 | | P7005A | м | 96 | % seed | s/kg plants/h | na 28.000 ! | eeds/ac | 65.21 | 50.40 | |
| Uddresdeel/http: Profiler Age/Latent Profiler Age/Latent Latent Profiler Age/Latent Laten | 2/22/2018 | | P70054 | м | 96 | 06 | | | | 65.21 | | |
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| item Side Band Dry P7000 65.31 183 Mar. 4000 260 Side Band Dry P7000 65.31 183 Mar. 4000 260 Item Dry Protectsource Protectsource Protectsource Protectsource | Date Co | mment | Placement | Туре | Actual Nu | trient (lb/ac) | Aci | res Rate | Product (Blend) | | Cost/Acre | |
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| Statistic apply application Instrume Configuration Seal Configuration Seal Configuration Field ID Family Configuration Seal Family Configuration Seal | | Field Preparation | | | | | | | | | | |
| Field ID Fam. Non-weight Legal Dec. Arec Cop-Dec. Variety 58725 Chenier Farms 0x1000 1037.01 103.01 | | | | | | | | | | | | |
| 987730 Chevier Farms 0 Ochorer F 100.79 987730 Chevier Farms 93 65.31 Conv. RR P2005MM 1072711 Chevier Farms 942 Corp. Carlo 65.93 Chevier Farms UID Date-Start Date-End Acres Weather Temp Wind Sp 1072711 Chevier Farms 942 Corp. Carlo 343 Con B5.732 13 ID O 65.21 147 mph 1024002 CON Farm East Field - Soy 343 Con East Field - Soy 50 Spears East Field - Soy 65.72 13 ID O 65.21 147 mph East Weather Field ID Field Name LD Acres Weather Temp Wind Sp Field ID Field Name LD Acres East Weather Temp Wind Sp Field ID Field Name LD Acres East Weather Temp Wind Sp Field ID Field Name LD Acres East Weather Temp Wind Sp Field ID Field Name LD Acres East Weather East Weather East Weather | | Legal Desc. A | rres Cron - Desc | Variety | | 1024002 | CDN Farm | East Field - Soy | | 30 Soyb | eans | |
| 98/773 Chemier Farms 13 05.21 Commer Farms Vieta Farm Vieta Farms | ound. | | | | | | | | | | | |
| 1077211 Chenier Farms west 7- CopCare 6.9.9 Barley - 2 Rox Slage 06757 13 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | | | | P7005AM | | Field ID Field Nam | e IID Date Start | | ate - End | Acres We | ather Temp | Wind Sp W |
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| | | | 3.99 Barley - 2 Row Sila | Re | | | | | | | | |
| | Farms west 7 - Cri | opCare 63 Corn 34 | 4.3 Corn | Re | | | | | | | | |
| | Farms west 7 - Cri m East Field - | opCare 63 Corn 34 | 4.3 Corn | Ee | | | Close Window | | | | | Get Weather C |
| | Farms west 7 - Cri m East Field - | opCare 63 Corn 34 | 4.3 Corn | Ee | | | Close Window | | | | | Get Weather C |
| Field ID Farm Nam 867526 Chenier Fa 867573 Chenier Fa 1077211 Chenier Fa 1024002 CDN Farm 1024002 CDN Farm | it F F n n | Sr122017 2/22/2018 Fertilizer Applie Date Cot State Feld Scouting / Date Jun 08, 2019 Field Scouting / Date Jun 08, 2019 Field Scouting / Date Time Scout | Date Crop Type 5/12/2017 Corn - RR Primary 2/22/2018 Corn - RR UnderSeeded/Refuge Fertilizer Application Date Date Cornment Starter In seed row Urea Starter In seed row June 08, 2018 Field Scouter Comments/Zone Eard Dry Contrast Zone Placement/ Eard Topic Eard Dry Eard Comments/Zone Placement/ Eard Topic Eard Topic | Date Crop Type Variety 5/12/017 Corn - RR Primary P2005A 2/22/2018 Corn - RR UnderSeded/Refuge P2005A Fertilizer Application Pacement P2005A Date Cornnet Placement Starter In seed row Seed Placed Ura Starter In seed row Seed Placed Ura Starter In seed row Seed Placed Ura Jun. 0.2018 Feld Scouter Image: Cornnet Corpost Cornnet/Corpost Placement/Type Product Cornnet/Corpost Band Second Place Cornnet/Corpost Elegal Desc. Aores Tams Vest7 - CopCare 6.399 n East Field - Corn 3.43 m East Field - Corn 3.43 | Date Corp Type Variety Get 5/12/2017 Corn - R8 Primary P2055AM 2/22/2018 Corn - R8 UnderSender/Refuge P2055AM Pertilizer Application Placement Type Date Cornment Placement Starter in seed row Seed Flaced Liquid Urea Side band Dry Side band Band Dry Field Scouting / Product Recommendations Fore Date Type Jun 0.0108 Field Scouter Paramet/Zone Barnener/Type Commet/Zone Eggl Desc. Arayles Corn - RR Tarms Vest7 - CropCare Galage Sale Field - Corn Sale Field - Corn 34.3 Corn Sale Sale m East Field - Corn Sale Field - Corn 34.3 Corn Sale Sale m East Field - Corn Sale Sale Sale Sale | Date Crop Type Variety Germ. M 5/12/2017 Com - RR Primary PZ005MM % 2/22/2018 Com - RR Underseded/Refuge PZ005MM % Pertilizer Application Date Comment Recement Type Actual Nu Starter in seed row Seed Placed Liquid 2/11-0 Underseded/Refuge 2/2005 Date Comment Recement Type Actual Nu Starter in seed row Seed Placed Liquid 2/11-0 Una Side band Dry 750-00 Starter in seed row Seed Placed Liquid 2/11-0 Una Side band Dry 700-00 750-00 Jun. 0.2018 Feld Scouter Total 87-52-46 Total 87-52-46 CommentZone Price Placement/Type Product Price Ion Ion Bard Ion Ion Ion CommentZone Face Acres Coron - RR Rate Ion Ion Social Dorn - RR Rate Ion Ion Social Ion - RR Rate Ion Ion Bard Ion - RR Ion - RR Tor Ba | Date Crop Type Variety Germ. Motality S 5/12/017 Cmn - RR Primary P7005AM % % % sed 2/22/2018 Cmn - RR Primary P7005AM % % % sed 2/22/2018 Cmn - RR Primary P7005AM % % % Fertilizer Application Date Comment Procession Date Comment Placement Type Actual Nutrient (bloc) Starter in seed row Seed Placed Liquid 2-11-0 Urea Side Band Dry 27.50-0.0 20.7 Field Scouting Procession Sage 3.33.50-0.22n 7 Field Scouting / Product Recommendations Dry 1041-48-3.38.50-0.22n 7 Teild Manuer Comment / Compost Procession Ref Sage Jun 08.2018 Pield Scouter Procession Ref Sage Adviptisk Manuer or Compost Procession Ref Sage Application Type Robust Sage Jun 0.0 Sofeans Sage Jun 0.0 Sage Jun 0.0 In 0.0 Chance E 150.70 Ref Product Application Ref Rams Isage Field - Con 3.4.3 Com - Ref In S | Date Crop Type Variety Germ. Mortality Seed Plan 5/12/017 Con - RR Primary P2056M % % % % seeds/kg plants/f 2/22/2018 Con - RR UnderSeded/Refuge P2055M % % % % Fertilizer Application Date Patentin Type Attail Nutrient (Bloc) A Date Starter In seed row Seed Placed Liquid 211-1-0 65 Starter In seed row Seed Placed Liquid 211-1-0 65 Uras Side band Dry 750-0-0 66 Side band Dry 10-41-48-338.5CI 0.22n 65 Pate Starter Stage 9 Jun. 0.2018 Feld Scoutter Stage 9 Jun. 0.2018 Feld Scoutter Stage 9 Comment/Zone Liquid Band Dry 0 National Answer Construct Product Construct Patentin Comment/Zone Liquid Band Dry 9 Ground National Stage Stage Patentin Patentin Jun. 0.2018 Feld Scoutter Variety Variety | Date Crop Type Variety Germ. Mortality Seed Planes 51/2017 Con - RR Primary P2056M % % % seeds/kg plants/ha 28.005 2/22/2018 Con - RR UnderSeded/Refige P2055M % % % % Fertilizer Application Date Pacement Type Actual Natrient (Bloc) Acros Race Starter in seed row Seed Placed Liquid 211-1-0 65.21 4.5 galac Urea State in seed row Seed Placed Liquid 211-1-0 65.21 163 blac State and Band Dry 75-0-0-0 65.21 163 blac State and Band Dry 75-0-0-0 65.21 163 blac Field Scouting // rotal 75-32-45-33.85 Cl-0.22n 65.21 163 blac Date Type State In seed row State In seed row State In seed row State In seed row Jun. 0.2018 Field Scouting Product Product Product Product Jun. 0.2018 Field Scouter Variety State In seed row State In seed row State In seed row Jun. 0.2017 Band Dero Norte Produ | Oute Copy Type Variety Germ Montality Seed Faths Rate Comments 51/2017 Con- RR Primary P7055M % % % genetising plants/ha 28.000 Seediac 22/2018 Con- RR UnderSeedolfRetuge P7005M % | Date Corp Type Vanity Germ Mortality Seed Plants Rule Cornments Acces 51120017 Corn - RR Primary P7055M 9 9 seeding plants/ha 28.000 Seedine 6.5.31 2222018 Corn - RR Under Seedinfinding P7055M 9 | Code Corp Type Vanety Genes Marcality Genes Parts Late Connection Acres Codd/Acres 51/2007 Connell P7000AA % |

- 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



Online | Reviewing Applications

FARMER CORE ONBOARDING

| | | | Menu | ~ ~ ~ | OVERVIEW OVERVIEW | IELD MAP | | | | |
|--|---------------------|--------------------------|--------------------------|------------|--------------------------------------|---|------------------------------------|---|----------------------|---|
| | | | 🕶 Back | | | | | | | |
| | | | Overview | | 2018 Field Manager | | | | | O MANAGE - |
| | | | N GIS | | Field Details # 867573 Field Name | 13 - Chenier Farms | ADS Reld ID | 867573 | | |
| | | | | | Legal | | # Acres | 65.21 | Irrigated | No |
| | | | 🛎 Weather | | Crop | Corn - RR | Variety | P70054M | Seeded Date | |
| EW OVERVIEW FIELD MAP | | | | | | | Actual Vield | | Harvest Date | |
| | | | | | | | | | | |
| | | | | | | | 20 | | | |
| Crop Type | Variety | Germ. Mortality | Seed | Plants | Rate Commer | | UAcre | Cost/Acre \$50.40 | Cost/Unit \$50.40 | |
| 2017 Corn - RR Primary | P7005AM | 90 90 | seeds/kg | plants/ha | 28,000 Seeds/ac | 65.21 | 50.40 | \$82.22 | \$82.22 | 30% 💶 Beed 49% 🛄 Festilger |
| 2018 Corn - RR | P700SAM | 56 56 | | | | 65.21 | | \$11.50 | \$11,50 | 7% Foliar 12% Herbitide |
| UnderSeeded/Refuge | | | | | | | - | \$22.48 | \$22.48 | 0% Insecticide 0% Fungicide 0% Vortuble |
| lizer Application | | | | | | 2 2 2 | 3 🖸 | \$0.00 | \$0.00 | 0% Field 0% Constant |
| Comment | Placement Type | Actual Nutrient (ib | 94) | Acres | Rate Product (Blend) | Cos | t/Acre | \$0.00 | \$2.00 | 0% Contract 0% Equipment |
| Starter in seed row | Seed Placed Liquid | | | 65.21 | 4.5 gal/ac ALPINE G22 | | 17.20 | \$0.00 \$0.00 | \$0.00 | |
| Urea | Side band Dry | 2 75-0-0 | | 65.21 | 163 lb/ac 46-0-0 | | 26.90 | \$0.00 | \$0.00 | |
| Side Band | Band Dry | 10-41-48-3-38.5Cl- | | 65.21 | 165 lb/ac 5-24-29-1-23.3Cl-0. | | 38.12 | \$0.00 | \$0.00 | |
| | | Total 87-52-49-3-38.5Cl- | 0.2Zn | | | | 82.22 | \$105.58 | \$166.58 | |
| d Scouting / Product Recommendation | 5 | | | | | End Scouter Prod | ust.Res | | | |
| 08. 2018 Field Scouter | | | Stage | | Status | 2 | TT+22*8 TRIMELE INC. KLI ROHTS RIS | IRVISID. TERMS OF USE TERMS OF SALE PRIMACY | | |
| 08. 2018 Field Scouter | | | | | | 28 | 24 | | | |
| | | | | | | | | | | |
| fuct Application | | | | | | | | | | |
| y. 29, 2017 12:00 PM - 01:00 PM es: 65.21 | Spray Volume: 5 gal | | | | | | 30 | | | |
| lication Type: Ground | 4-9 | | Product A | pplication | | | | | | |
| iduct | PCP # | Cost/Unit | Application T | Vne | Ground | • | | Crop Stage | | |
| tan IS - (2) | 32627 | 874.00 jug | | | | | | | | |
| UNDUP TRANSORB HC - (9) | 25344 | 6.13 | Sensitive Are | a | ® No ⊜ Y | es | | Spray Volume | 5 gal 🔻 | |
| | | | Applicator N | ame | | | | Applicator License No | | |
| | | | Applicator Co | omments | | | | | | |
| | | | | | | | 11 | | | |
| | | | Product | | Cost/Unit | Rate Cost/ | Acre Material | Comments Target | Pest PHI | REI |
| | | | | | | | 0.82 jug | | | hours II |
| | | | Sortan IS | | 974 hug 1 | | | | | |
| | | | Sortan IS | | | r 🤮 80 ac/ju; ▼ 10.93 | 0.02 105 | | | |
| | | | Sortan IS ROUNDUP TRA | ANSORB HC | | • 🔮 80 ac/ju; ▼ 10.93 • 🤮 0.6€ l/ac ▼ 4.05 | 43.04 I | | | hours |
| | | | | | 6.13 I | 0.66 l/ac 🔻 4.05 | 43.04 l | Acres W | /eather Temp V | hours |
| | | | ROUNDUP TR | eld Name | | ♥ ♥ 0.6€ V/ac ♥ 4.05 | | 600 O | | |

- 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** (

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.

Trimble

Online | Proof of Placement Reports

| Trimble. Farm Field 2019 • Brian Field • | Fleet Analytics Data Transfer Console | Upgrade 🚨 🌲 📀 🏢 |
|--|--|-------------------------------|
| Menu « | Brian Field Brian Stark Stark Form 44.4 Acres Planted: No planted date | ۰ |
| Field Manager | Activities Profitability Seeding Fertility Chemicals Harvest | |
| 関 GIS | Completed Activities | |
| 🛎 Weather | Activity Date - Days After Planting Area | Cost |
| 部 Equipment Activity | Fertilize 02/07/2019 48.46 ac Spreading 5 48.46 ac 48.46 ac | \$120.87 View Summary |
| 👗 Lab Data | 500b - CORN PLANTING 5-13-16 - Done Start 05/13/2016 11:53 AM | View Report Edit Delete |
| More Synchra turned off Last 24 hours | MAIN STATION Brent Chenier - Core Planting 2.69 ha Farm: Field MAIN STATION: 500b Seeded Date 05/12/2016 8:00 PM Corp Corn Variety DEKALB DKC43-48RIB | |
| | 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 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



Online | Bulk Proof of Placement Reports

| le:Trin | nble. | Farm | Field | Fleet | Data | fransfer | Conso | de |
|---------|---------|--------------|-------|--------------|------------|---------------------------------|----------|--------|
| 2020 - | Jump | o to field 👻 | | | | | | |
| * | Q FI | LTER BY | | CLEAR FILT | 100 | Active Filter 01/01/2020 - 1 | 12/31/20 | 020 |
| 123 | | Name | | Date 🝷 | | Client | | Farm |
| | | 🟦 Fertili | ze - | 10/04/2020 1 | 0:45:00 P | M Client 1 | | Farm 1 |
| * | Ø | Marves | t i | 10/04/2020 4 | 4:30:00 PN | A Client 1 | | Farm 1 |
| 0 | | m Spray | 2 | 07/13/2020 3 | 8:45:00 PM | I Client 1 | | Farm 1 |
| ~ | | 黛 Spray | 1 | 06/18/2020 8 | :15:00 AM | d Client 1 | | Farm 1 |
| 0 | | 🗮 Seedi | ng (| 05/12/2020 3 | 8:50:00 PM | A Client 1 | | Farm 1 |
| Ð | | 💻 Planti | ng | 01/13/2020 4 | ::06:40 PN | A CSU | | ARDEC |
| | | 溦 Tillag | e (| 01/13/2020 3 | 3:44:45 PM | A CSU | | ARDEC |
| Rx | | | | | | | | |
| Ξ | 5 tasks | selected | | | | | | |
| | | + ADD | | EDIT | D | elete | VIEW | REPORT |
| | | | _ | | | | | |

| Jump to field 👻 | | |
|------------------|--------------|--|
| | | Verify Activities |
| Q FILTER BY | CLEAR | Select verify to confirm that you've reviewed all selected |
| 🗆 All Name | Date 👻 | activities for their accuracy. This will verify any unverified |
| 🗹 💁 Fertil | ize 10/04/20 | activites, and add them to your field records so that you can view their reports. |
| ☑ <u>Æ</u> tarve | st 10/04/20 | CANCEL VERIFY |
| Spra | y 2 07/13/20 | 20 3:45:00 PM Client 1 Farm 1 Field 1 |



- 1. Open the Equipment Activity tab (Field>Equipment Activity)
- 2. Select the desired tasks with a check mark
 - all tasks for the report will need to be verified so that the system can generate the proof of placement pdf reports. If the Verify Activities window opens, select cancel or verify as appropriate
- 3. Click the View Report button
- 4. All selected task reports will then be compiled into one **pdf document**.



0.6

Coverage Maps and Guidance Lines



Online | GIS tools

| Show/Hide Layer menu | Background Open Layer imagery options Manager | |
|---|---|-----|
| GIS BOUNDARY BENCHMARKS ZONES GUIDANCE LINES LAND | KS | |
| | Layers | |
| Tasks CANCEL SAVE | Image: Second | le) |

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





Online | Map Layers



- 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
 - (**Q**) **Zoom** to the Layer
 - (🛍) Delete Layer

Trimble

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. To create an **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. To **Delete a** Guidance Line
 - $\circ~$ Place a checkmark next to the original line
 - Click the **Delete** button

John Deere Guidance line update:

With the 6.50 release of Precision-IQ, John Deere runlines can be added to a field's data set. Using an Advanced Guidance 1 license in the display, a merge option has been added to Precision-IQ's Data Transfer feature. Use this option to transfer and merge a John Deere runline into an existing Precision-IQ field. Once merged, the line can be quickly calibrated and the lines will AutoSync between all connected devices and be accurately used in the field on any Precision-IQ display with the Advanced Guidance 1 licensed installed.



Mobile | Map Layers



- 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 (\Box) > find and tap on the desired layer > tap save
- 3. Some surface layers have multiple layer options. Tap the 3 buttons (1) beside the legend to view other related layers.
- 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.
 - $\circ~$ Tap on the desired layer > tap <code>Save</code> to turn on a different layer



0.7

Desktop Sync (previous desktop customers)



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

| 🗄 Jobs 🍽 Map 🕏 | | | s/farms/fields/crops lies/equipment/people | | Uver Job w M | | ad queue | Paid Year ym: D Feld 14: Dealtage ym: D Feld 14: Dealtage |
|--------------------|----------|---|--|--------------|--|-------|-----------------------|---|
| | rin | ble . | User Login | 1 | Melissa_tullis@trimble.com MET Training Other Accounts | | Log Out Change Org | Trimble Ag Software Online |
| Status | Job Name | Date | Client | Farm | Field | ear c | Onlines | |
| .1. Pending sync | Harvest | 9/30/2018 | Trimble Client | Trimble Farm | | ear 5 | Options | _ Log |
| 1 Pending sync | Planting | Linker : Clients | | | | 018 🐚 | Synchronize to Web | |
| | - | Debts Resource These Over - Costop + C speed > | Children and Child | | | _ | rimble Ag Software O | Synchronizing operation types |

- 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

1. 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

