

Getting Started with Farmer Pro

User Guide for Trimble Ag Software | Farmer Pro



Edition 3 | Nov, 2019

Highlights:

- Account setup
- Planning for the season
- How to bring equipment data into the software
 - In-season agronomic features

Farmer Pro User Guide includes: Setup for Web Account, Marketplace, Crop Plan (People, Farm, Field, Vehicles), Materials and Summary, Syncing Data with Desktop, Equipment Data Including Yield, Fleet, Soil Sampling, Zone Upload, Work Orders, Applications, Scouting and Crop Health Imagery, Inventory, Grains and Contracts, Profitability, and Reports.

Trimble

Trimble Ag Software Workflow

Timing		Module	Action	Software	
Season		Farm	People, Equipment, Inputs and Materials, Bins, Contracts	Farmer Pro Web	
Planning		Field	Boundaries, Crops, Varieties, Target Yield		
		Soil Sampling	Create Soil Sampling, Soil Labels, Lab Data Import	Mobile	
	Descriptions		Create manual		
			management Zones, Import Existing Zones, Adding Applications, Blender – Fix or VRA	Farmer Pro Web	
			Rate		

Season Execution

1

Post Season

		Farmer Pro Web
Work Orders	Flat Prescription and Weather Restrictions	Mobile
Monitoring	Satellite images, UAVs, Scouting Reports	Farmer Pro
Scouting	New Recommendations, Work Orders, Create Soil Sampling	Mobile
Data Import	As Applied Data	Farmar Pro Wab
Profitability	ROI	ranner Pro web

Product Comparison Chart

FARMER PRO ONBOARDING

		Farmer Starter	Farmer Core	Farmer Fit	Farmer Pro
	Login users	Up to 5	Up to 5	Up to 5	Up to 5
	Manage client/farm/field names with boundaries	х	х	х	Х
Farm Setup	Sync desktop data to cloud		Х	Х	Х
	Map landmarks with mobile app (points, lines, and boundaries)		Х	Х	Х
	Manage guidance lines		Х	Х	Х
	Includes AutoSync for syncing guidance lines and other data to all Trimble connected devices ¹		Х	х	Х
Farm Operations	Import/export or use third-party APIs to get data to/from precision farming displays		Х	Х	Х
	Track fleet locations, status and utilization				Х
	Create and assign Work Orders and monitor the status of each				Х
	Add materials and track purchases and usage by field with costs		Х	Х	Х
	Print a 'Proof of Placement' report that includes details of each job including a coverage map		Х	х	Х
Farm Records	Enter detailed field records for seed, spray, fertilizer, harvest and other applications			Х	Х
	Includes desktop farm management software with basic accounting			х	Х
	View basic weather with option for upgrading to Ag Premium Weather ²			Х	Х
	Use drawing tools to layout management zones based on yield and other map data			х	Х
VRA Tools	Create simple VRA prescription maps				Х
	Grid or zone soil sampling workflow including mobile app navigation				Х
	Track bin inventory				Х
Grain Marketing	Manage grain contracts and market position statements				Х
In-Season Monitoring	View Crop Health Imagery for each field ³				Х
In-Season Monitoring	Log scouting data and create recommendations				X

Product comparison

¹ AutoSync automatically connects all your smartphones, computers and Trimble displays (using the Precision-IQ software). Each connected Trimble display requires a device connection with modem & data plan or a third-party Wi-Fi adapter.

² Ag Premium Weather is available in North America but expanding to other regions in 2019.

³ Includes up to 10,000 acres of Crop Health Imagery. Additional acres can be purchased by reaching out to sales at 1-800-282-4103.

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Account Setup and User Access



Online | Account Setup

FARMER PRO ONBOARDING

Objective: How to learn how to start using the software.

In this session you will learn:

- Login on TAS Online Account
- Farmer Pro Navigation
- Configure your settings
- Activate Add-ons in MarketPlace
- Add Contacts
 - Managing access
- Login on TAS Mobile Account



Online | Login FARMER PRO ONBOARDING



E Trimble Reseller Login

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

Channel Resource Center

E Software Customer Login

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



	mhle
Email address	
Password	
Sig	gn in
Stav signed in	Forgot passwor

- 1. Go to: <u>agriculture.trimble.com/software</u>
- 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

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1. Download the **Trimble Ag Mobile** app for iOS or Android

- 2. Enter your **Company** account Trimble ID email and password
- 3. Tap Sign in
- 4. Accept Terms & Conditions
- 5. Tap to search or select the account name from the list

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



Mobile | Software Settings

FARMER PRO ONBOARDING

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- 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 FARMER PRO ONBOARDING



1. 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 PRO 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
 - 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





Online | Marketplace

FARMER PRO ONBOARDING

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1. From the **Farm** Menu, click **Marketplace**

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



Online | Widgets FARMER PRO ONBOARDING



1. The main Dashboard when you log into Trimble Ag software has a series of customizable Widgets

- that summarizes different information from your Farmer Pro account.
- 2. To **Resize** widgets, hover your mouse over the widget > left click and hold the **grey triangle** (<u>)</u> at the bottom right of the widget > **move your mouse** to resize then **release** the left mouse button when satisfied.
- 3. To **Move** a widget, hover your mouse over the top of the widget > when the mouse changes to the **move button** (\circledast), hold down left mouse button and **move** the widget > **release** mouse button when satisfied with location.
- 4. Grey boxes will appear on the web page when resizing or moving
 - a. If grey boxes turns **red**, you cannot move or resize to that area
 - b. If grey boxes turn **green**, then you are ok to move or resize.
- 5. To **close** a widget, hover over top of it and click the **X** in the upper right corner
- 6. To **add** a new widget, hover your mouse over a blank space and clicking **+ Widget**. By default, the dashboard will be full, so you will need to resize or remove a widget to add a new one.



0.2

Planning Crop Season



Online Planning Season

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

In this session you will learn:

- How to manage people and operators
- How to manage equipment
- How to leverage Trimble Fleet capabilities (optional)
- Where to enter Inputs and Materials
- How to manage your Bins and Grain Contracts
- How to setup Farms and Fields



0.2.a

People



Online Contacts

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								Full Access							
									CANCEL						

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



Online | Operators FARMER PRO ONBOARDING

©:Trimble . Farm	Field	Fleet	Analytics	Data Transfer								?	
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	Job	Title			PIN 🚯								
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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**





Equipment Data



Online | Planning Season: Equipment

FARMER PRO 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
 - \circ 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

FARMER PRO ONBOARDING

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2019 -	Jump to field 🗸										
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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
- 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 <u>User Guide</u> or <u>FarmStream setup guide</u>)
- 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 and Telematics

FARMER PRO ONBOARDING

v	Unassigned	Display Device
Display Device	Add 🌣	
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lematics Device	Add Tele	0

When setting up a vehicle, the Attached Devices settings will vary depending on the modem that is being used in the vehicle display. The table below is designed to help understand the supported displays, features, and settings needed to configure a vehicle connection for each modem type.

Modem	Supported Trimble Displays	Supported Features	Display Device	Telematics Device
Sierra Wireless GX450	GFX-750 FmX Integrated Display TMX-2050 CFX-750	Office Sync RTK Corrections via cell FarmStream Wi-Fi Access Point	Yes	No
SNM941 Connected Site Gateway	FmX Integrated Display TMX-2050	Office Sync VRS / RTK Corrections via cell FarmStream Vehicle Sync (FmX or FmX+ only)	Yes	No
DCM-300	FmX Integrated Display TMX-2050 CFX-750	Office Sync VRS / RTK Corrections via cell Asset Tracking Vehicle Sync (FmX or FmX+ only) FarmStream Traditional Fleet	Yes	Yes (Traditional Fleet) No (FarmStream)



Online | Trimble Display Setup Items

FARMER PRO ONBOARDING





Farmstream - FmX/FmX+



There are several Trimble Display setup items related to Fleet, depending on the selected Fleet method - **Farmstream Fleet** or **Traditional Fleet**. For step-by-step instructions please refer to these help documents:

Farmstream Fleet Setup Guide

Fleet Help Document

- 1. Farmstream
 - FmX Display or FmX+ App
 - Display device is assigned to a vehicle with a Trimble Vehicle License
 - Activate the FarmStream Fleet plugin
 - Setup the Port
 - Configure Implement Reporting
 - Configure Vehicle Monitoring
 - PIQ App
 - Display device is assigned to a vehicle with a Trimble Vehicle License
 - Turn On Enable Operators, then configure Productivity Thresholds under vehicle settings
 - Log into the Operator App to track who is using the vehicle
 - Install the Utilization App and setup for Auto Start to collect utilization data
- 2. Traditional Fleet
 - Display device is assigned to a vehicle with a Trimble Vehicle License
 - Telematics device (DCM-300 modem only) is assigned to a vehicle with a Trimble Vehicle License



Online | Implements FARMER PRO ONBOARDING

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					•	GFX-750 TMX-2050				
					•)	XCN-1050 XCN-2050				
								CLOSE		

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







Fleet



Online| **Fleet**

FARMER PRO ONBOARDING

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

In this Session you will learn:

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



Online | Fleet Management

FARMER PRO ONBOARDING

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1. Click Fleet tab

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

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

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

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





Online | Vehicles and Groups

FARMER PRO ONBOARDING

Trimble. Farm Field 2020 - Jump to field -	Fleet Analytics Data	a Transfer				⊥ ≜ @ Ⅲ
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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 PRO ONBOARDING

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				_					

- 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
 - \circ Export to .csv
 - The type of sensor data collected is controlled by the CAN information available and the Fleet method that is utilized
 - see the <u>Fleet Feature Comparison chart</u> to compare FarmStream Fleet to Traditional Fleet capabilities



Online | Alerts FARMER PRO ONBOARDING

		Frimble. Farm Field 2020 - Jump to field -	Fleet An	nalytics [Data Transfer								± ♠ ⊘ Ⅲ
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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 Alerts 	• Curfew Alerts
 Rushing Alerts 	 Geofence Alerts Create Geofence
	 Ignition Alerts



Online | Utilization FARMER PRO ONBOARDING



The Fleet Utilization reporting feature allows users to evaluate the performance of their machines

over a chosen day. Vehicle status is displayed, showing states such as moving, speeding, working, rushing, stopped, delayed, off, and no GPS. The time in each state is calculated and displayed graphically.

- 1. Click Fleet tab > Utilization
 - Select the vehicles to include in the summary
 - Filter by Date, Start time, and the Duration in hours that you would like to view
 - hover your mouse pointer over an item in the graph for specific details
 - Click the Print icon to send the visible utilization data to the printer
- 2. Reported machine states are determined by the Fleet method that is utilized
 - FarmStream Fleet
 - Working, Moving, Stopped, Off, Speeding, Rushing, No GPS, Delayed, Pending
 - Traditional Fleet
 - Working, Moving, Stopped, Off, Speeding



0.2.d

Materials



Online | Planning Season Materials

FARMER PRO ONBOARDING

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

In this session you will learn how to:

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



Online | Adding Chemicals

Trimble Farm	Field	Flee	et Ana	alytics	Data Transfer							. .	8	? III		
2018 - Jump to field	•															
Menu	~	INPU	ITS & MATE	ERIALS	CHEMICALS	FERTILIZERS	5 LIME	SEEDS V	VATER TA	ANK MIXES SUMM	IARY					
A Home		1	ゆ MERGE 👜									+ ADD CHEMICA				
📰 Profile			Material			Qty. Purchased	Avg. Cost	Total Cost	Applied Area	Avg. Rate	Qty. Used	Balance				
A Farms			2,4-D LV	V 4 Ester		0.000 gal	\$0.00	\$0.00	0.00 ha	0.00 gal/ha	0.000 gal	0.000 gal	Ø	•••		
D			🗌 Aframe	1		0.000 l	\$0.00	\$0.00	0.00 ha	0.00 l/ha	0.000 l	0.000	Ø	•••		
equipment			JUWEL -	ТОР		0.000 gal	\$0.00	\$0.00	0.00 ha	0.00 gal/ha	0.000 gal	0.000 gal	Ø	•••		
🛃 Inputs & Materials			🔲 Omni B	Frand Propi	conazole 41.8% I	EC 0.000 gal	\$0.00	\$0.00	0.00 ha	0.00 gal/ha	0.000 gal	0.000 gal	Ø	•••		
				UP ORIGIN	IAL MAX	0.000 gal	\$0.00	\$0.00	0.00 ha	0.00 gal/ha	Chemic	al Search			-	
Commodities			🔲 Roundu	up Weather	rmax	0.000 gal	\$0.00	\$0.00	0.00 ha	0.00 gal/ha	Chemic	ai Search				
🐘 Storage			Total:					\$0.00)			Name	· [Moc		
	INPUTS & MATERIALS CHEMICALS FERTILIZERS LIME SEEDS			LIME SEEDS	WATER TANK MIXES	ATER TANK MIXES SUMMARY					Manufacturer					
	Chemical Properties									IVI			Bayer Cro			•
	Use Chemical Search to find Name * Category * Form *		additional information about the material.								Name	ame			lanufacturer	
			MOCAP 10% GRANULAR			Manufacturer	Manufacturer Bayer Cropscience				MOCAP	MOCAP 10% GRANULAR			Bayer Cropscience	
			Insecticide Granular/Dry			EPA #	EPA # 264-465 Signal Word Warning				MOCAP	15% GRANU	% GRANULAR (R)		Bayer Cropscience	
						Signal Word) F	Bayer Cronscience	
	Active	e Ingredient				REI	48				MOCA	150 LOCKIN	LOAL	, L	ayer cropscienc	C
	Purcha	ased Units *	kilograms		T						MOCAP	EC (R)		E	layer Cropscienc	e
		Unit Cost	\$125.0	/ kg												
	App	olied Units *	grams		v						Request a	a new chemi	cal to	be added to	o the list.	
	Default	Target Rate	30.00 g	/ ha						L	_					
								CANCEL SAVE								

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




Online | Adding Fertilizers

))))))))))))))))))))))))))))))	ble . Farm	Field	d Flee	t Analytics	Data Transfer						±	78 ?	
2018 -	Jump to field	-											
Menu		«	INPU	TS & MATERIALS	CHEMICALS	FERTILIZER	S LIME SEEDS	WATER	TANK MIXES SUM	IMARY			
🔒 Hom	e		1	۲ MERGE							+ ADD	FERTILIZER	
📰 Profil	le			Material	Qty. Purchased	Avg. Cost	Total Cost	Applied Area	Avg. Rate	Qty. Used	Balance		
A Farm	IS			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	0.000	\$0.00	\$0.00	0.00 ha	0.00 l/ha	0.000 l	0.000 l		
🍓 Equip	oment			🔲 16-0-0-20Zn	0.000	\$0.00	\$0.00	0.00 ha	0.00 l/ha	0.000 l	0.000 l		
🗐 Input	ts & Materials			Total:			\$0.00						

NPUTS & MATERIALS	CHEMICALS	FERTILIZERS	LIME	SEEDS	WATER	TANK MIXES	SUMMAR'	Y		
Fertilizer Properties										
Use Fertilizer Search to find	additional inform	nation about the	material.							
	Q FERTILIZER	R SEARCH								
Name *	Folo Spray 12	2-5-40			Nutrients					
Form *	Granular/Dr	N.	•		Nitrogen		•	12.00	%	×
Torm	Granular/Dr	у			Potassium		•	40.00	%	×
Purchased Units *	kilograms		•		Phosphoru	ıs	•	5.00	%	×
Unit Cost	\$50.00	/ kg			Zinc		•	0.25	%	×
Applied Units *	grams		•		Manganes	e	•	0.10	%	×
	0.2				Iron		•	0.10	%	×
Default Target Rate	150.00 ۽	g / ha			+ ADD ANO	THER ROW				
							Г	CANCEL		SAVE
							L			

Fertilizer Search		×
Name	FOЦ	
Manufacturer	PLANT HEALTH TECH.	¥
Name	Manufacturer	
Folo Spray 0-50-30	PLANT HEALTH TECH.	
Folo Spray 12-5-40	PLANT HEALTH TECH.	
Folo Spray 20-20-20	PLANT HEALTH TECH.	
Folo Spray 6-30-30	PLANT HEALTH TECH.	
Request a new fertilizer to	be added to the list.	

1. Click Farm tab > Inputs & Materials > Fertilizers tab

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





Online | Adding Tank Mixes

Strimble. Company	Farm Field Fleet Analytics	Workbench Data Transfer	Console					1 4 0 II			
Demo 2018 - 2019 + 2018 +	Jump to field 👻										
Menu «	INPUTS & MATERIALS CHEMICAL	S FERTILIZERS LIME SEEC	S WATER TANK MIXE	ES SUMMARY							
🔒 Home	Tank Mix Properties										
Profile	Name *	burndown		Ingredient	Cost		Rate				
A Farms	Form *	Liquid		Durango Atrazine 4L	\$25	i.00 / gal	0	.10 gal/ac 🗙			
🖧 Equipment	Carrier	water		+ ADD INGREDIENTS T	O RECIPE						
🔄 Inputs & Materials	Default Rate	10.00 gal / ac					_		<u> </u>		
Commodities		 Define mix as rates Define mix as quantities 									
Storage	Mix Rate *	10.00 gal / ac						Select Material(s)		×	
🛎 Farm Weather	Mix Cost.	\$2.25 / gal						🕒 🔲 Chemical			
🛎 People								🕒 🗆 Fertilizer			_
🗒 Time Tracker			N					Lime			
Documents			12,					Water			
😏 Grain Contracts											
🖿 Markatolara							10.00				
			© 2011 - 2018 TRIMBLE, INC. ALL RIGHTS	S RESERVED. TERMS OF USE TERMS OF SALE PRIVA	DY		s rates				
							s quan				
							10.00				
							\$2.25				
									CANCEL	OK	

To be used to document custom Tank Mixes

- 1. Click Farm tab > Inputs & Materials > Tank Mixes tab
 - Select + Add Tank Mix
 - Enter Name: Burndown
 - Select Form: Liquid
 - Carrier: Water
 - Default Rate: **10.00 gal/ac**
 - $\circ~$ check of Define mix as rates
 - Mix Rate: **10 gal/ac**
 - \circ 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 | Adding Purchases

2018 Jump to field Menu « Menu « INPUTS & MATERIALS CHEMICALS PERTURZERS UME SEEDS WATER TAME MIXES SJUMMARY Import in • Material • Common to stand Output to stand Aug. Rate Cyt. Used Balance • 100-015 0.0001 50.00 50.00 0.000 ha 0.0001 ha 0.0001 f · · • Foldsen •	le: Trimble:	Farm	Field	Fleet	Analytics	Data Transfer								÷ 🌲	66) ?			
Menu « NPUTS & MATERIALS CHEMICALS FERILIZERS LIME SEEDS WATER TAKE MAKES SUMMARY • Home •	2018 👻 🛛 Jump	to field	-															
• Home • MERCE • Froile • OU • OU • Applied Applied Ap	Menu		~	INPUTS	& MATERIALS	CHEMICALS	FERTILIZERS	LIME	SEEDS	WATER TA	NK MIXES	SUMMARY					I 1	
■ Profile Naterial <	✿ Home			Ģ	한 MERGE 💼									+ ADD	FERTILIZER		I 1	
A Farms 0.00-15 0.000 t \$0.000 \$0.000 t 0.000 t	📰 Profile			м	aterial	Qty. Purchased	Avg. Cost		Total Cost	Applied Area		Avg. Rate	Qty. Used	Balance				
6: Equipment inouts & Materials <	🐴 Farms				0-0-15	0.000 t	\$0.00		\$0.00	0.00 ha		0.00 t/ha	0.000 t	0.000 t	* •••			
• Equipment • 16-0-202n 0.0001 S0.00 0.000 h 0.000 h					10-34-0	249.932	\$10.60		\$2,650.00	0.00 ha		0.00 l/ha	0.000 l	249.932 l	ø			
Inputs & Materials Input s & Materials	🆰 Equipment				16-0-0-20Zn	0.000 l	\$0.00		\$0.00	0.00 ha		0.00 l/ha	0.000 l	0.000 l	ø			
My Custom Fertilizer 4.990 kg \$88.18 \$440.00 0.000 kg/ha 0.000 kg 4.990 kg Image: Total: Total: 1000 \$3,090.00 0.000 kg/ha 0.000 kg 4.990 kg Image: Total:	🔄 Inputs & Mat	terials			Folo Spray 12-5-4	0.000 kg	\$0.00		\$0.00	0.00 ha		0.00 kg/ha	0.000 kg	0.000 kg	ø			
Total: S3,090.00 UPDATE TASK COSTS UPDATE TASK COSTS<					My Custom Fertili	zer 4.990 kg	\$88.18		\$440.00	0.00 ha		0.00 kg/ha	0.000 kg	4.990 kg	@			
UPDATE TASK COSTS UPDATE MATERIAL UNIT COST Purchase Detals X Ournets Purchased 350.00 X Ournets Purchased 350.00 X Test 350.00 X X Test 350.00 X	Commodities	S		то	otal:				\$3,090.00)						-		
10-34-0 Dete 6604/2018 ILINE SEEDS WATER TANK MIXES SUMMARY Price \$10.00 //	Purchase Details		•	U	IPDATE TASK COST	S UPDATE MATE	RIAL UNIT COST											
Quantity Purchased 250.00 IMPOIS & WATERIALS CHEMICALS FERTILIZERS LIME SEEDS WATER TARK MIXES SUMMARY Price \$10.00 // Tax \$150.00 ImPOIS & WATERIALS CHEMICALS FERTILIZERS LIME SEEDS WATER TARK MIXES SUMMARY Tax \$150.00 ImPOIS & WATERIALS CHEMICALS FERTILIZERS LIME SEEDS WATER TARK MIXES SUMMARY Tax \$150.00 ImPOIS & WATERIALS CHEMICALS FERTILIZERS LIME SEEDS WATER TARK MIXES SUMMARY Tax \$150.00 ImPOIS & WATER FERTILIZERS LIME SEEDS WATER TARK MIXES SUMMARY Tax \$150.00 ImPOIS & WATER FERTILIZERS ImPOIS & WATER Avg. Rate Qty. +/- Qty. +/- Wudste Material and Tasis for 2018 Od/04/2018 31579542 \$10.60 \$2,650.00 249.9321 249.9321 Worder Impois a mark 249.9321 Impoi	10-34-0 	06/04/2	2018]				DIALC									_	
Price \$10.00 /1 Tax \$150.00 Total Cost \$2650.00 2 Update Material and Tasks for 2018 Optional Details Vendor Crop Health Experts Invoice # 31579542 Notes Total Cost	Quantity Purchased		250.000 I					NIALS	CHEMICALS	FERTILIZER	S LIME	SEEDS	WATER	IANK MIXES	SUMMAR	Y		
Total Cost \$2,650.00 Image: Wire Material and Tasks for 2018 Optional Details Optional Details Vendor Image: Cost Material and Tasks for 2018 Optional Details Optional Details Total Cost Stand Cost Material and Tasks for 2018 Optional Details Image: Cost Material and Tasks for 2018 Optional Details Total Cost Material and Tasks for 2018 Optional Details Total Cost Material and Tasks for 2018 Image: Cost Material and Tasks for 2018 Total Cost Material and Tasks for 2018 Optional Details Total Cost Material and Tasks for 2018 Total Cost Material and Tasks for 2018 Image: Cost Material and Tasks for 2018 Total Cost Material and Tasks for 2018	Price Tax		\$10.00 / \$150.00				Fertilizers > 1	10-34-0						+ CAR	RY OVER	Purch	hases & Use 🔻	+
Image: Wighter Material and Tasks for 2018 Optional Details Vendor Crop Health Experts Invoice # 31579542 Invoice # 1579542 Notes Image: Wighter Material and Tasks for 2018	Total Cost		\$2,650.00				Date	Fie	ld/Invoice		Avg. Cost	Total Cost	Applied Area		Avg	. Rate	Qty. +/-	
Vendor Crop Health Experts Invoice # 31579542 Notes -	Ontional Dataila	✓ Update	e Material and Tasl	ks for 2018			06/04/2	2018 315	579542		\$10.60	\$2,650.00					249.932 l	
Invoice # 31579542	Vendor	Crop H	lealth Experts				Total:				\$10.60	\$2,650.00					249.932 l	
Notes	Invoice #	315795	542															
	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 | Inputs and Materials Summary

FARMER PRO ONBOARDING



Click Farm tab > Inputs & Materials > Summary

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



Mobile Adding Purchases



1. Tap Crop Inputs tile

- 2. Tap the desired input : Fertilizer
- 3. Tap the + symbol to add a new crop input **purchase**
 - Type: Fertilizer
 - Product: **11-52-0 (Dry)** P
 - Date: Sun.Jan 28
 - Quantity: 8
 - Product Size: **1**MT
 - Product Price: 634
 - \circ 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.





Farm and Fields



Online | Planning Season Farm / Fields

FARMER PRO ONBOARDING

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

In this session you will learn:

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



Online | Add a Crop and Crop Season

FARMER PRO ONBOARDING

Strimble. Farm Field	Fleet Analytics Data Transfer Console			ᆂ 🔎 🕐 III 🗧	
2018 - Jump to field -					
Menu «	COMMODITIES CROPS COMMODITIES CROP SEASONS				
A Home					
	Сгор		Price	CROP SEA Select Crops	×
Profile	Alfalfa			Crops	
A Farms	Apples			Crops	
Var. 1997. 10. 10.	Barley			Agave	
Sequipment	Beans			Almonds	
Inputs & Materials	Canola			Apricots	
	Chickpeas			🗆 Argan	
🖉 Commodities	Com			Asparagus	
Ctorage	Soybeans			Avocado	
10008c	Wheat			Banana	
💣 Farm Weather				- Pacil	
				Dasii	
🛎 People				Beets	
Documents				Blackberries	· ·
		E.	_		
😚 Grain Contracts					CANEEL CANE
Marketolace				L	CANCEL SAVE
P4 marketpiece					
Al Earm Analyzer			-		
Last 24 hours	8-2011 - 2018 TRIMRLE INC. ALL RIGHTS RESI	ERVED TERMOLEUSE I TERES OF SALE I DRIVACY			

Strimble. Farm Fie	ld Fleet Analytics	Data Transfer Cons	ole			🔺 🔎 🕐 🏢		
2018 - Jump to field -								
Menu «	COMMODITIES	CROPS COMMODITIES	CROP SEASONS					
A Home					CROP SEA	Create Crop Seasor	i	×
Drofile	Crop Season		Start Date	End Date				
i Prome	2019 Canola		01/01/2019	12/31/2019		Harvest Year *	2018	v
A Farms	2018 Alfalfa		01/01/2018	12/31/2018	Sta			
	2018 Alfalfa RR		12/31/2017	12/30/2018		Crop *	Corn	•
🐣 Equipment	2018 Soybeans RR		12/31/2017	12/31/2018	01/			+ Add Crops
	2017 Alfalfa Forage		12/31/2016	12/30/2017	01/			· · ·
Inputs & Materials	2017 Alfalfa RR		12/31/2016	12/30/2017	121	Subcrop		
🛃 Commodities	2017 Barley 2 Row Ma	alt	12/31/2016	12/30/2017	12/			
	2017 Barley 6 Row Ma	alt	12/31/2016	12/30/2017	12/	Activities Start Date *	01/01/2018	
m Storage	2017 Beans Green		12/31/2016	12/30/2017	12/			
💣 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/			
🛎 People	2017 Corn		01/01/2017	12/31/2017	12/	Default Yield Potential		
	2017 Corn LL		12/31/2016	12/30/2017		1 otentiai		
Documents					12/			

	2017 Corn RR	12/31/2016	12/30/2017		
😚 Grain Contracts	2017 Soybeans R2	12/31/2016	12/30/2017	12/	CANCEL SAVE
📜 Marketplace	2017 Wheat Hard White Winter	12/31/2016	12/30/2017	12/	
	2017 Wheat HRS	12/31/2016	12/31/2017		
Syncing turned off	2016 Corn	01/01/2016	12/31/2016	♂.	
Last 2 mobils		© 2011 - 2018 TRIMBLE, INC. ALL RIGHTS RESERVED. 1	TERMS OF USE TERMS OF SALE PRIVACY		

- 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 Select Crop
 - Select Activity Start and End date (if different from default)
 - Click Save



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



Online | Adding Client, Farm, Field

FARMER PRO ONBOARDING

Create	e Client		×		Create Farm	×
(Client Name *				Farm Name *	
		CANCEL	SAVE		FSA Number Client	• •
Trimble. Farm File 2018 - Jump to field -	eld Fleet Analytics Data Transfer Cor	insole			± ♣ª @ ==	
Menu «	FARMS CLIENTS FARMS FIELDS					CANCEL
A Home	Search Fields		5400 C	📩 Import Boundaries	Show Retired (*) + ADD FIELD	
Profile	Name •	Client	Farm Chaffer Farms	Tillable Area	8	
Al Farms	10	Brent Chenier	Farm 1	51.28 ac		
D. Coulomant	14	Doug	Chaffer Farms	36.34 ac	ß	
equipment	3	Peri and Sons Farms 2017	Desert Pearl	0.00 ac	ß	
🔄 Inputs & Materials	3	Doug	Chaffer Farms	0.00 ac	C	
🜌 Commodities	8 4	Doug	Chaffer Farms	0.00 ac	C	
	792084	Davi	702088	77 80 ar		
Storage		Field 1		Gene	ral Crop Legal Soil Irrigation Processo	or
📽 Farm Weather	brent	Won Field Name *	Field 1		50-/ 6668 6 B	Limport Sho File
🔹 People	🗆 D Trial					
	Field 1	Won Client	Brent Chenier	Township Road 1970	TownshipRoadti70	ipiRasd(170) TownshipRozd(170) TownshipRozd(170) To
E Documents	🔲 field 14	Dout	Farm 1	· +		
🐨 Grain Contracts	🗐 field b					R
🐂 Marketplace	Field Test 2	Boundary Area	156.23 Acres			
Syncing turned off	Filed A	Tillable Area	156.23 Acres	0		
Last 24 hours					-	
				The second se		
				and the second se		
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				+		
				-		
				•		Legist (Convict C 21K Technologies Inc. C HERE, Imagen C Districtions Devoid You Debut
						- sense i contra de contra
						CANCEL SAVE

1. Click Farm > Client > +Add Client

- Enter Client name > click **Save**
- 2. Click Farm > Farms > +Add Farm
 - Enter Farm name: Farm A
 - Enter FSA number(if applicable)
 - To place the **Farm** under a **Client**, choose a **Client** from the dropdown list > click **Save**
- 3. Click Farm > Fields > + Add Field
 - Enter Field Name: Field 1
 - Select proper Client and Farm from dropdowns
 - Use **GIS Tools** in mapping window to manually **draw** the **Boundary**

OR

- click Import .Shp File > select the .shp file only > click Open
 - You can make further **edits** to the imported boundaries using the **GIS tools**.

click Save





Online | Add Field and Boundary (Bulk)

FARMER PRO ONBOARDING

2018	· → Jump to field →													Print
Menu	u «	2018 Field Profiler											Ø MAN	AGE -
12003	Field Profiler	Select/Deselect All	Search Fields							Show Paren	t Fields All	All	d New Field	
ج ا	Farm Map	Field ID	Field Name		Legal Desc.	Acres	lr.		Сгор		Variety	Ass	ign Fields to Z	arms
		1077636	field b				0	N				Up	oad Boundary	Files
	Crop Planner								. 16 16			Exp	ort Boundarie	s
		1077635	Filed A				63.91	N	Altalta -			Lin	date Boundary	Color
(F) (Work Orders	1034815	home 1/4				77.8	Ν					aute boundary	
		723653	Melvin's				148.06	N	Alfalfa			Imp	ort Benchmar	ks
	Equipment Activity	702094										EX	on benchindh	
					×							Ref	resh Boundary	Acres
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e 🔻 New fo	older				0		77.8	Ν						
JAV AgriBotix D	▲ Name	Date mod	ified Type	Size	Farm Total		77.8							
	Baund - 12	14/4/2010		512C										
neDrive	Boundary13	11/1/2010 8/5/2013	3:00 AM DBF File	1 KB 1 KR										_
is PC	Boundary13.lgd	8/5/2013	B:30 PM LGD File	1 KB	Legal Desc.	Acres	lr.		Сгор		Variety	Target	/ield	
D Objects	Boundary13.shp	11/1/2010	3:00 AM SHP File	7 KB			36.34	N	Soybeans - RR					
esktop	Boundary13.shx	11/1/2010	3:00 AM SHX File	1 KB			36.34	N						kg/ba
ocuments	Boundary14	11/11/201	4 3:17 PM DBF File	1 KB			30.34	N						KE/11d
ownloads	Boundary14.shp	11/11/201	4 3:17 PM SHP File	1 KB			36.34	Ν	Soybeans - RR					
Ausic	CF Field 1	3/24/2016	12:23 PM DBF File	1 KB	Upload Field Bounda	ry								
ictures	CF Field 1.shp	3/24/2016	12:23 PM SHP File	1 KB	*	-								
ideos	CF Field 1.shx	3/24/2016	12:23 PM SHX File	1 KB	Drag files below or s	elect files to u	pload you	r shap	e files.					
Vindows (C:)	Ochsner E	12/9/2016	10:28 AM DBF File	1 KB	Files with extensions	.dbf, .prj, .shp, a	nd .shx ar	e all ne	eeded.					
pps (\\ushami-	Ochsner E.shp	12/9/2016	10:28 AM SHP File	9 KB										
Pront (\\ushan	planting	3/7/2010	11:53 AM DBF File	251 KB										
armworks Inst-	planting.shp	3/7/2017	11:53 AM SHP File	234 KB	Drag Fil	es Here		OR		Choose	Files No file chosen			
ublic-ftn (\off	planting.shx	3/7/2017	11:53 AM SHX File	14 KB										
work	•								100%			507.8	6 Kb	
File	e name: "planting.shx" "CF Field "	1" "CF Field 1.shp" "CF Field 1.sh	IX" "Ochsner E" "(V All	Files										
				Open Cano	Uploaded Shapes									
					File Details	Proje	tion Field			Farm Column FarmName	•	Fie	ld Column IdName	,
					✓ CF_Field_1 0.98 KB .sh	p, .shx, .dbf WGS	84 🔻 New	Field		FarmName	CF Farm	Fie	ldName 1	CF Field 1
					planting 497.22 KB .sh	x, .shp, .dbf WGS	84 🔻 New	Field		None V		Ele	evation 🔻	656.27
					Ochsner_E 9.66 KB .db	of, .shp, .shx WGS	84 🔻 New	Field		FarmName	 Darwyn Ochsner 	Fie	ldName 1	Ochsner - E
					Save Boundary Eiles Breview	Boundary Files		_			,			

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

FARMER PRO ONBOARDING



1. From the Farm screen, tap **Fields** >tap the + symbol to create new

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



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

Trimble

Online | Adding a New Crop

FARMER PRO ONBOARDING

©:Trimble . c	Company Far	m Field Fleet Analyt	ics Workbench Data Transfer Con	sole	ᆂ ጶ 🥹 🏢
Demo Farms 🛨	2019 - Ochsn	er E 🗕			Print
Menu	~	OVERVIEW OVERVIEW	FIELD MAP		
🕇 Back					
Overview		2019 Field Manager			€ MANAGE ▼ Edit
🛍 GIS		Field Name	Ochsner E - Chenier Farms	ADS Field ID	1014809 Delete Field Split Field
💣 Weather		Legal		# Acres Variety	151.1 Irrigated New Crop Seeded Date Save Actuals as Crop Plan
Work Orders		Target Yield		Actual Yield	Hanvert Data
i work orders		Notes:			New Crop
Equipment Acti	ivity	Expenses Breakdown Expense	Total Cost		
👗 Lab Data		Seed	50		Parent Field: #1014809 - Ochsner E (151.10 ac)
_					New Name Ochsner E - Soybeans New Acres 151.1 Crop Sequence 1 V
					New Name Ochsper E., Corp. New Acres 151.1 Crop Sequence 2 T
Chenier	' Farms				SAVE FIELDS
	Field	IID	Field Name		\$0.00
_					
	8675	573	13		
		26	Ocheron 5		Original Field
	8675	526	Ochsher E		(parent field)
	1014	1809	Ochsner E 1		
				_	
	1014	1809	Ochsner E 1 - Corn	•	New Crop
	101	1900	Ochenor E 1 Souhaan	-	Fields
	1012	+609	Ochsher E 1 - Soybean		
	1077	7211	west 7		
				_	

1. From the Field Overview, click Manage > click New Crop

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

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



Online | Farm Map

FARMER PRO ONBOARDING



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.





Online | Crop Type and Target Yield

FARMER PRO ONBOARDING

Irimble. Company	Farm Field F	leet Analyti	cs Workbench	Data Transfer				÷	<u>,</u> 0	?	
TABS Training - Advisor Client -	2018 - Jump to fie	eld 🗸									Print
Menu «											
📾 Field Profiler	Field	Acres 2010	6 Crop 2017 Crop	2018 Crop	Description / Variety	Target Yield / %	Moisture		Targ Price	get e	
🐣 Farm Map	New Field # 1059223	85.04		· · · · · · · · · · · · · · · · · · ·			% Moisture				l
Crop Planner	Farm A									_	J.
0=	Field	Acres 2016	6 Crop 2017 Crop	2018 Crop	Description / Variety	Target Yield /	Isture		Targ Price	get e	
SE Equipment Activity	Field A1 # 1059617	29.23				▼ ✓ cwt/ac	% Moisture				
🕂 Harvest Summary						MT/ac Plants/	a				
🖬 Farm Calendar	Field A2 # 1059618	19.4		.		Seeds// bags/ar MT/ha kg/ha	na % Moisture				
	Field A3 # 1059620	37.07				▼ bu/ac Ib/ac Plants/ Seeds/	% Moisture				
	Field A4 # 1059622	7.41		•		T/Ac Units	% Moisture				

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

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



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Planner / Budget



Online Planner / Budget

FARMER PRO ONBOARDING

ဲ Trimble. Farm Field	Fleet Analytics Data Transfe	r Console						
2019 → Soil Sampling_GVF →								
Menu <<						1		
🕇 Back	Field Planner							
🛱 Field Manager	This field currently has no plans. Add Name:	a plan to get starte	d	Plan A - 2019				
🚺 GIS	Code:		[A V	Add Cross			
🛎 Weather	Crop: Target Yield:			200 bu/ac v	Add Crops			
Work Orders	Target Price:		4	3				
🗧 Equipment Activity		Soil Sampling_GVF -	Fleet Analytics Data Transfer	Console				1 🌲 🕫 🕄 II Prin
🛆 Lab Data		Menu «	Field Planner					◆ MANAGE → Select Plan: Plan A - 2019 - A ▼
🕮 Planner / Budget		Field Manager	Plan: A - Plan A - 2019 Field Name Soil Sa Planned Crop Com	mpling_GVF + Test Farm	ADS Field ID Planned Variety	1263215	Legal Targer Yield 200 bulac	
👗 Harvest Data		Weather	Expenses Breakdown Expense Seed		Total Cost \$0	Cost/Hectare \$0.00	Cost/Unik \$0.00	(75, 🚍 Seed
		Equipment Activity	Fertilizer Foliar/Other Herbicide Insecsicide		50 50 50 50	50.00 50.00 50.00 50.00	\$0.00 \$0.00 \$0.00 \$0.00	0%
		部 Planner / Budget	Fungicide Other Variable Fixed Expenses		50 50 50	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	0% Coperator 0% Equipment
			Operator Expenses Equipment Expenses Total		50 50 50	50.00 50.00 50.00	\$0.00 \$0.00 \$0.00	
			Seed Date Crop Type Fertilizer Application	Variety G	irm. Mortality	Seed Plants Rate Comme	ints Hectares	Cost/Hectare
			Date Comment Product Application	Placement Type	Actual Nutrient (kg/ha)	Hectare	s Rate Product (Blend)	Cost/Hectare
			Other Expenses					23
								-

- 1. Click on Field Profiler and in the Field of interest
- 2. From the **Field Manager** screen, select **Planner / Budget** (left navigation menu)
- 3. On the **Field Planner** screen, add or select options to define a new plan
- 4. Enter a Name for your field plan (example: Good, Better and Best)
- 5. Select a **Code** from the dropdown list to help keep your plans organized
- 6. Adjust the default **Crop**, if needed, by selecting a different crop from the list (or click +Add Crops) to add to your crops
- 7. Enter a **Target Yield** amount and click to adjust the unit of measure
- 8. Click **Create Plan** to save changes (or navigate away from this screen to cancel)
- 9. Review the new Field Planner and scroll down to enter relevant fixed and variable expenses for this plan
- 10.Seed click the add record icon to display or edit the default crop type costs for any planned seed applications, then select one or more fields and click Add Application (or Close Window)
- 11.Fertilizer click the add record icon to add any planned fertilizer application, then select one or more field to Add Application (or close Window)



Online | Planner/Budget (cont.)

FARMER PRO ONBOARDING

Trimble. Farm Field 2019 - Soil Sampling_GVF -	Fleet Analytics Data Transfer Console				🛓 🏚 🥹 🏭 Princ
Menu «	Field Planner				• MANAGE •
Field Manager GIS Weather	Planc A • Plan A • 2019 Field Name Soil Sampling_GVF • Test Farm Planned Crop	ADS Field ID 1263215 Planned Variety	Legai Target Vielo	d 200 bw/ac	Add Plan Copy Plans to Fields Delete Plan Apply Plan as Actual Compare Plans and Actuals
Work Orders Equipment Activity Lab Data Planner / Budget	Expenses Breakdown Expense Seed Fertilizer Follar/Other Herbicide Insecticide Fungicide Other Variable	Total Cost S0 S0 S0	Cost/Hectare \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	Cost/Unit \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	0% Seed 0% Ferliter 0% Ferliter 0% Ferliter 0% Ferlitet 0% Ferlitet
漸、Harvest Data	Fixed Expenses Operator Expenses Equipment Expenses Total	50 50 50 50	\$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00	
	MANAGE Edit Plan Add Plan Copy Plans to Fields Delete Plan Apply Plan as Actual Compare Plans and Actuals	Edit Plan Add Plan Copy Plans Delete Plan Apply Plan	• MANAGE • to Fields	Hectares Product (Bliend)	Cost/Hectare

- 1. Manage Button then Select Compare Plans and Actuals
- Select any two plans or actuals from the lists at the top of the screen to view or print the Field Comparison report to see the total cost of operating between actuals (in our example, the Field Manager actuals are on left, and the new scenario, Good – A plan, is on the right).
- 3. Click **Back** (top left) to return to the previous screen
- 4. To add more scenarios, click the Manage button and select Add Plan
- 5. Toggle between plans by choosing from the **Select Plan list**, beneath the Manage button
- 6. To begin working with your preferred plan as the plan of record, click **Manage** and select **Apply Plan as Actual** (replaces existing Field Manager plan of record, including any actual applications or expenses already recorded for the crop year)
- 7. From the left navigation menu, select Overview to return to the Field Manager (actuals) screen





Bins and Contracts



Online | Planning Bins and Contracts

FARMER PRO ONBOARDING

Objective: How to manage your contracts and storage during the crop season.

In this session you will learn:

- How to Create and Manage Grain Contracts in Online and Mobile
- How to manage your farm inventory through the Bin management system (Bins) in Online and Mobile



Online Grain Contracts

STrimble. Farm Field	Fleet Analytics Data Transfer Console	💶 📀 📫
2017 - Jump to field -		
Menu «	Contract Manager	
✿ Home	Status: Open REFRESH	+ ADD CONTRACT
Profile	CropYear A CropType A Unit A Farm Name Contract # Buyer Crop Commodity Desc Unit Quantity Delivered Price Basis Net Fut. Month	Del. Start Del. End
A Farms	CropYear: 2017 CropType: Corn; Unit: cwt Cick here to sort	
🐣 Equipment	Chenier Farms 123 ABM Corn cwt 1000.000 17.000 Jan/2019 Image: Chenier Farms 1000.000 .000	
🔄 Inputs & Materials		
Commodities		
💼 Storage		
_		

Strimble. Farm Field	Fleet Analytics Data Transfer Console	± 🏚	? !!!
2017 - Jump to field -			
Menu «	Add New Contract		1
A Home	Contract Details		- 1.8
Profile	Contract # 123		- 1.8
Al Farms	Status Open Contract Date		- 14
🐣 Equipment	Crop Year 2018		- 1.8
🔄 Inputs & Materials	Farm Name Contract Type		- 14
🗠 Commodities	Description Futures Month/Year		- 14
Description Storage	Expiry Date		- 14
🛎 Farm Weather	Sale Details		- 14
🛎 People	Buyer Name ABM Quantity 1,000.000 cwt Delivered cwt		- 14
Documents	Price (per Unit) Quantity Priced cwt Price Comments:		
🍲 Grain Contracts	Basis (per Unit) Quantity Priced cwt Price Comments: Discounts		- 14
Marketplace	Incentives		
Last 24 hours	© 2011 - 2018 TRIMBLE, INC. ALL RIGHTS RESERVED. TERMS OF USE TERMS OF SALE PRIVACY		

1. Go to Marketplace > if it hasn't been added already search for Commodities & Contracts and

click Add

- 2. Click Grain Contracts tab
 - Click + Add Contract
 - i. Contract #: **123**
 - ii. Crop Year: enter year
 - iii. Buyer Name: Contract 1
 - iv. Quantity: 500 MT
 - v. Crop Type: Corn
 - vi. All other details in the contract are **Optional** but should be entered as needed for each contract
 - vii.Click Save

You can also **review** all **transactions** associated with each individual **contract** from the Grain Contracts page.



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



Mobile Grain Contracts

 	🖻 🕏 💭 👫 📶 92% 🗎 3:10 PM
< Customize Cor	ntract 📑
Crop Year	Date
2017	Sun, Dec. 02
Commodity	Class
Corn - RR	
Farm Name	
Contract#	Contract Type
	bu
Description	
Futures	Expiry Date
2018-Dec	
Buyer Name	Delivery Location
Quantity	
quantity	
- 1	
Tap here to	o fill the entire screen
	$\Box \leftarrow$

6 1 B 6	🖻 🕏 💭 🐺 📶 93% 🛢 2:59 PM
< Contracts	+ 🔻
	2017
Corn	1 Contracts
Total Volume Average Price	1,000 cwt \$ 17
850% 123 ABM	1,000 cwt \$ 17
Tap here to	o fill the entire screen
ے ا	

 		91% व 3:24 PM
< Contract D	etails	
123 - Corn ABM -		
Quantity Delivered Left to Deliver	1,000 cwt 150.000 cwt 850.000 cwt	15%
Loads : Avg Moisture (% Avg Protein:	: 2 Total : %) : 0.0 Avg Docka 0.0	150 cwt age: 0.01
Transactions		+
Bin - 12345		150 cwt ㅅ
≥ 09		50 cwt
		100 cwt
12:00 AM		
Tap ł	nere to fill the entire scr	reen
		\leq

1. Before the contract tile becomes available, you must ensure that the Commodities and Contracts

module is turned on. See slides on Marketplace for proper steps.

- 2. Tap the **Contracts** tile > enter contract **details**. Note that the details below only represents the **Required** details for the contract. Additional information may be entered at the users discretion.
 - \circ tap the + to add a new contract
 - i. Crop Year: 2018
 - ii. Commodity: Corn
 - iii. Contract #: **123**
 - iv. Buyer Name: ABM
 - v. Quantity: 1000 cwt
 - vi. tap **Save**

Tap on the contract to review transactions that have helped fulfill the contract, and to view other summarized details of the contract.



Online | Storage FARMER PRO ONBOARDING

Strimble. Farm Field	Fleet Analytics Data Tra	insfer Console						± ♠⁵ ⊗ Ⅲ	
2019 - Jump to field -								Print	
Menu « S	STORAGE BIN PROFILER	BIN TRANSACTIONS							
A Home	Rin Drofilor								
Profile								✿ MANAGE ◄	
A) Farms	Code A V	Description ~	Location v	Capacity v Crop v	Crop Desc	 Variety 	~	Inventory ~	
🖧 Equipment	 Location: Unit: bu 								
🔄 Inputs & Materials	12345 Tr	ēst Bin 1		25,000.00 bu Corn	RR	P7005AM		4,821.43 bu 🔊 🛇 🗇 🗊	
Le Commodities	4458 Tr STrimble. Farm Field	est Bin 2 Fleet Analytics [Data Transfer Console	20,000.00 bu Barley	2 Row Silage	CDC Cowboy		10,000.00 bu 🔊 🖓 🖓 🗄	
Storage	2019 - Jump to field -								
💣 Farm Weather	Menu «	STORAGE BIN PROFI	ILER BIN TRANSACTIONS						
	A Home	🔇 Demo Farms - Bin Deta	ails					SAVE DELETE	L.
	Profile	Bin Code	12345	Location					
	A Farms	Total Casavity	Test Bin 1	Cogai canto	Qtr: 🔻	Sec: Twp: Rng:	Transaction Mana	iger	
	×	Total Capacity	25000.00 bu v	GPS Location	Lat:	Long:	Bin Detail	12345 - Test Bin 1	
v 13		Inventory	4,821.43 bu				From	Bin v Test Bin 1	•
▼ Test Bin 1 ▼	Materials	Space Available	20.178.57 bu	Access Descripti	ion		Date	Contr v 123	•
1-06 12:00 AF 🗐 🕑 Now	lities	Crop Type	Corn	Construction Ty	pe		Volume	2018-11-09 12:00 AI III 🕑 Now	
MT v		Crop Description	RR	Floor Type			Net Volume 👔	15000 bu ¥	
+ Add Crops		Crop Variety	P7005AM	Dimensions	Length:	Width:	Crop Type		
¥	ather	Grade	v	Circumference			Сгор		
Ŧ		Moisture	% From Transactions: 0.00 %	Hopper Height			Description Crop Variety	RK ¥	
v		Protein	% From Transactions: 0.00 %	Auger Size			Grade	P7005AM T	
		Weight	gm/0.5L	Aeration	Ves 0 1	No	Protein		
	115	Grading Factors	~				Moisture		
	ntracts	Other		Notes			Weight		
a Unit Type 🔹							Container Type	Select a Unit Type	
	ace		ĥ				Totes	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
		_					Other		
									li
							Ticket		
							Truck		

- 1. Click Farm > Storage > Bin Profiler
- 2. Click Manage > Add New Bin

0

- Enter **Required** info below, all others are optional:
 - i. Bin Code: **12345**
 - ii. Bin Name: Home Bin
 - iii. Total Capacity: 25,000 bu, Click Save
- 3. Click Add Inventory button (🖸)
 - Enter **Required** info below, all others are optional:
 - i. From: Field, 13
 - ii. To: Bin, Test Bin 1
 - iii. Date: November 6, 2018
 - iv. Volume: 1000 MT
 - v. Crop Type: Corn, click Save
- 4. Click **Remove Inventory** button ()
 - Enter **Required** info below, all others are optional:
 - i. From: Bin, Test Bin 1
 - ii. To: Contract, 123
 - iii. Date: November 9, 2018
 - iv. Volume: **15000 bu**
 - v. Crop Type: Corn, click Save



Online Storage (cont.)

	STORAGE	BIN PROFILER	BIN TRANSACTION	NS									
	Bin Profile	r											
												O M/	NAGE -
	+ Location >	< - Unit X											
rest Bin 1 - 12345	Correct Inventory V Print	de≜ ~	Description	~ Location	n ~	Capacity 🗸	Сгор	✓ Crop Desc ✓	Variety		Inv	entory ~	
a column header and drop it here to group by that column	4 Locatio	n:											
Crop v Grade v Mois v Ticket v Date v Volu v Net v Doc v	v To/F v	t: bu											
Corn 09 12:00 cwt cwt N/A	Dut Contract: ABM: 123	345	Test Bin 1			25,000.00 bu	Corn	RR	P7005AM		4	4,821.43 bu	
Corn 2018-11- 06 12:00 cwt 0.000 N/A	Dut Contract: 44:	58	Test Bin 2			20,000.00 bu	Barley	2 Row Silage	CDC Cowboy	1	10	0,000.00 bu	
Corn 2018-11- 06 12:00 AM 39368.000 39368.000 N/A	n Field: 13					45,000.00 bu 45,000.00 bu					14, 14,	,821.43 bu ,821.43 bu	
Corn 2017-09- 01 12:00 AM bu bu N/A	n Field: 13												
0 % 35,867.94 35,867.94 cwt	STORAG Bin Ac	E BIN PROFILI	ER BIN TRANSAC									Ф МА	ANAGE -
	Custor	n 🔹	Start Date: 9/10	0/2018	End Date: 11/9/2018							Import Fron Add Harves	n CSV t Data
	Drag a	column header and dr	op it here to group by	y that column								Update Orig	țin
	•	ID 🗸 Date	~ Time ~	Crop ~ From		~ то			Volume ~	Net Volu 🗸	Dockage 🗸	Delete Tran	sactions
		2018-11-	06 02:50 PM	Corn Field:	13	Bin: 12345 - Test Bin 1			5000.00 bu	N/A	0.00 %	Reset Table	View
		180909 2018-11-	06 12:00 AM	Corn Field:	13	Bin: 12345 - Test Bin 1			39368.00 bu	N/A	0.00 %		
		2018-11-	09 12:00 AM	Corn Bin: Te	est Bin 1	Contract: Corn - ABM: (1	000 cwt)		8400.06 cwt	N/A	0.00 %		
		2018-11-	06 12:00 AM	Corn Bin: Te	est Bin 1	Contract: Corn - ABM: (1	000 cwt)		100.00 cwt	N/A	0.00 %		
									52,868.06	null			
													_

Client: Demo Farms Year: 2019					Transact	tion History			stir Pl	ategic Crop Jan
3in: Test Bin 1 - 12345										
Drag a column header and dro	p it here to group by that colu	imn								
Crop ~	Grade v	Moisture ~	Ticket ~	Date ~	Volume v	Net Volume v	Dockage ~		To/From 🔺	~
Corn				2018-11-09 12:00 AM	8400.056 cwt	8400.056 cwt	N/A	Out	Contract: ABM:	^
Corn				2018-11-06 12:00 AM	100.000 cwt	100.000 cwt	N/A	Out	Contract: ABM:	
Corn				2018-11-06 12:00 AM	39368.000 bu	39368.000 bu	N/A	In	Field: 13	
Corn				2017-09-01 12:00 AM	5000.000 bu	5000.000 bu	N/A	In	Field: 13	

1. Click View Transaction History (

- Click Edit icon (≧) to edit a transaction
- Click **Print** to print a transaction report
- 2. To view all transactions within a specific timeframe, click **Bin Transaction** tab
 - Choose **Custom** from dropdown
 - Enter **Start** and **End** for the **Bin Activity Report**
- 3. To import an existing Transaction csv, first make sure that your transaction csv is set up based on the following <u>template</u>. Once you have verified that all **Columns** are correctly labeled and the proper data entered, complete the following:
 - click Manage > Import from CSV
 - review any columns that have been highlighted in dark red. Make adjustments to content as needed, i.e. common issue seen is names in csv do not match the names in Farmer Pro.
 - Date Format Start Date: enter Start Date
 - End Date: enter End Date
 - Date Format: Match what csv setup
 - Time Format: Match what csv setup
 - Hour Format: Match what csv setup
 - click Import



Mobile Storage FARMER PRO ONBOARDING

 	â* © [⊥]	⊑ _ııll 93% 🖬 3:00 P	M					 		₫ ∦ (Q)	ute anii 93% ∎ 3:00 PM				
< Farm E	Bins -	ו 🖛 ו		7	n s	LTE+ .d (< Bin D	etails			G BG		∥ 93% वै 3·00 PM	М
Location	Crop Filter	44,189 bu	< New	° Bin	9 4		92% 3.03 PM	12345: 1 Corn - RF	est Bin 1 - P7005A	М	-	< Bin Transactio	on		9
		44,189 bu	Bin Code					Capacity Current Inve	ntory	50,000 bu 34,189 bu	68%	Sun, Dec. 02		3:00 PM	
68%	12345: Test Bi Corn - RR - P7005AM	Capacity 50,0 Current: 34,1 Available: 15,8	Bin Name					Space Availa	ble	15,811 bu	+ -	Origin	*	13	
\bigcap	4458: Test Bin 2	Capacity 20,0	Location						123 Corp			Destination		12345	
50%	Barley - 2 Row Silage - CDC Cowboy	Current: 10,0 Available: 10,0	Qtr	Sec	Тwp	Rng	Mer				15000 bu Nov 09 - 12:00 AM	Quantity Gross			bu
			Lat		L	ong			13 Corp. PP	DZOOFAM		Protein			
			0.00 Total Capac	ity	0	.00		_		- PTUUJAW	5000 bu Nov 06 - 2:50 PM	Moisture (%)			
				ity	bu				123			Ticket			
									Corn - RR -	P7005AM	179bu	Truck			
									12		NOV 00 - 12.00 AIVI	Сгор	Corn		
									Corn		39368 bu	Description	RR		
											Nov 06 - 12:00 AM	Variety	P7005AM		
									13 Corn - RR -	P7005AM	5000 bu	Operator			
	Tan here to fill the optim	a screen							Tap here	to fill the ent	ire screen	Harvester			
				Tap here	e to fill the	e entire scr	reen				<u> </u>	Tap here	to fill the entire s	creen	
		\leftarrow					\leftarrow	,						\leq	
			_	_		_									

- 1. Tap the **Bins** tile from the **Farm** screen.
- 2. Tap the (+) symbol to add a new Bin.
 - Enter **required** info below, all others are optional:
 - i. Bin Code: **12345**
 - ii. Bin Name: Home Bin
 - iii. Total Capacity: 25,000 bu
 - iv. tap Save
- 3. Tap the desired Bin to add/subtract inventory or edit bin details, then complete the steps below.
 - To Add, tap the (+) symbol below the main bin details.
 - i. Enter **required** info below, all others are optional.
 - 1. From: Field, 13
 - 2. To: Bin, Test Bin 1
 - 3. Date: November 6, 2018
 - 4. Volume: **1000 MT**
 - 5. Crop Type: Corn
 - 6. tap Save
 - To **Subtract**, tap the (-) symbol below the main bin details.
 - i. Enter the same **required** info that was required for adding inventory, all others are optional.
 - Tap Pencil icon to edit bin details, and tap Save



0.3

Uploading Data





Equipment Data Upload



Equipment Data Upload

FARMER PRO ONBOARDING

Objectives - 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
 - \circ 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
- $\circ~$ Why and How to Verifying Task



Option 1 API Connection FARMER PRO ONBOARDING

SETTINGS	SYNCING AF	PI CONNECTIONS				
						+•
Account			Email	Date Added	Last Sync	
AGC	0		METfarms	10/22/2018	11/01/2018 3:10 PM	0-
slingshot. 12	3D4566-2345F678-3	3456R789-567W890	jfarmer@email.com	11/01/2018	11/01/2018 3:10 PM	0-
	ND			11/01/2018		0-
				11/01/2018	Manage Cor	mpanies
	TIFARMS			11/01/2018	Delete	0-
					Settings Import Fie Import File	lds es
					Delete	

1. Click Data Transfer tab > Settings > API Connections

- Click + Add Account to select the desired API Connection
 - \circ Raven Slingshot®
 - AGCO Variodoc
 - JD Link
 - $\circ~$ AFS or PLM Connect
- 2. Enter the credentials for the API Connection
 - CNH API Options
 - Sync Data
 - Manage Companies
 - JD Link Options
 - Settings
 - Import Fields
 - Import Files (for historical data)
- 3. View the data in Online like any other Equipment Activity data
- 4. Check the <u>compatibility chart</u> to see what API data is transferring

Once set up, data will begin populating in the website from the 3rd Party accounts.



Trimble

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

Option 2 | Trimble Display FARMER PRO ONBOARDING



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 PRO ONBOARDING

From Vehicles	Manually upload the following type of files	
To Vehicles Upload Resource Exports	 Upload machine collected data from field displays to Trimble Ag Business Solutions website Upload data to share with your advisor Topo EM/EC Soil Locations Management Zone Boundaries Task Deliver Prescription maps and resource files to connected 	
	displays Select Files Upload File *	Upload Shape File
	Upload Imagery to Far Select the upload method. Select the upload method.	Select the type of shape file being imported.
	Slingshot vehicles .shp File planting.shp SELECT Image: File from a display to be imported into Trimble Ag Business Solutions website	
	Single prescription shapefile: .dbf File planting.dbf SELECT upload your prescription as a .shx File planting.shx SELECT .dbf, then select a vehicle wit .shx File planting.shx SELECT .prj File (optional) .prj File (optional) SELECT	 Topo EM/EC Soil Sample Locations Soil Target Locations Management Zone Boundaries Task
	CANCEL UPLOAD CANCEL NEXT	NEXT CANCEL
1 - Test 2 1 93.50 ac	1 - Test 2	
02/25/2019 8:00:00 AM	Crop Zone Choose	
	Choose Manage Operation Types	
	Task Name	
	Start Date/Time 02/25/2019 8:00 AM End Date/Time 02/25/2019 8:00 AM	
	Time Worked 0.00 hrs Area Worked 93.50 ac	
	ADD OPERATOR ADD VEHICLE ADD IMPLEMENT ADD MATERIAL	
ß		

- 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**
 - Select the Vehicle and Click Upload
 - Monitor the **processing status** of your upload via **From Vehicles** tab



Trimble

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

Option 3 | More Info for Uploading

FARMER PRO ONBOARDING



- 1. Click **Data Transfer** tab > **Manage Files**
- 2. To upload a **shapefile**
- - Search for or drag the shapefile components for upload
 - Select "File From Display to be Imported..." \bigcirc
 - Select the type of shapefile being imported \bigcirc
 - Select the appropriate **attributes** from the **dropdowns** for the file type you are uploading as \bigcirc 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 \bigcirc
 - Add a vehicle to the Task. Note that Vehicles must be added ahead of time to populate in the \bigcirc list
 - All other details are optional.
 - Click Save \bigcirc
- 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..." \bigcirc
 - Select the display format \bigcirc
 - Select the Vehicle and Click Upload \bigcirc
 - Monitor the processing status of your upload via From Vehicles tab



Online | Equip. Activity: Verify Task

FARMER PRO 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 FARMFR PRO ONBOARDING

	2018 - Jump to field -		Inster					ن	Q FILTER BY 👻
	Menu «	Q FILTER BY O CLEAR F	Active Filter 05/10/2016 - 10/	/31/2018				1	Date
	Field Profiler	All Name	Date 🔻	Client	Farm	Field	Year	Crop	
	9 Form Man	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	Operation
	_	Contraction of the second seco	11/22/2017 10:49:43 AM			field04	2017	Corn	Operation
	🖻 Work Orders	C 💦 rodney	11/21/2017 3:42:39 PM			field03	2017	Corn	Vehicle
	Equipment Activity	Contraction State	11/20/2017 8:50:16 PM			field02	2017	Corn	Implement
	<u>, , , , , , , , , , , , , , , , , , , </u>	C 💦 rodney	11/15/2017 7:50:53 PM			Field01	2017	Corn	mplement
	😹 Harvest Summary	Harvest 1	10/11/2017 12:49:21 PM	Demo Client	Stark Farm	Stark#14	2017	Corn	Operator
	A Form Colondar	Planting	04/21/2017 12:59:07 AM	Demo Client	Stark Farm	Stark#1	2017	Corn	Material
	Farm Calendar	CORN HARVEST 11-8-10	11/08/2016 3:08:29 PM	csu	MAIN STATION	500B	2016	Corn	Matchar
		CORN PLANTING 5-13-1	6 05/13/2016 11:00:47 AM	csu	MAIN STATION	500B	2016	Corn	Is Verified
					2				
Stark Farm 28.74 ha	Map Inputs		×				Stark Demo Cl	P1 Crop Zone 2017 Corn (Starl Operation Planting Task Name Planting	k#1) V Manage Operation Types
Stark Farm 28.74 ha lanting	Map Inputs	NIM Seed Rate C/P 1498AM	×				Stark Demo Cl	H Image: Constraint of the second s	K#1) Anage Operation Types PM End Date/Time 04/21/2017 12:59 AM
Stark Farm 28.74 ha lanting) hrs 35 PM -	Map Inputs	NPd Seed Rate C/P 1498AM	× * * * * * * * * * * * * *				Stark Demo Cl Stal	Planting Operation Planting Task Name Planting t Date/Time 04/20/2017 9:35	k#1) + v * Manage Operation Types * PM End DaterTime 04/21/2017 12:59 AM 3.39 hrs Area Worked 27.16
Stark Farm 28.74 ha lanting) hrs 35 PM - 2:59 AM	Map Inputs	Seed Rate C/P 1498AM	¥ ★ ★ 0 (> (ks/ha) 58.45	Map In	puts		Stark: Demo Cl Star T Resour	#1 #1 ent: Stark Farm Crop Zone 2017 Corn (Starl Operation Planting Task Name Planting t Date/Time 04/20/2017 9:35 ime Worked	k#1) • • • Manage Operation Types PM End Date/Time 04/21/2017 12:59 AM 3.39 hrs Area Worked 27.16
Stark Farm 28.74 ha lanting) hrs 35 PM - 2:59 AM	Map Inputs	Seed Rate C/P 1498AM	× * ± 0 (> (ks/ha) 58.45	Map In Showing I Operat	puts nput totals for Task ors ter Doug 3 30 brs	\$0.00 / br	Stark Demo Cl Stal T Resour	Stark Farm Crop Zone Crop Zone Crop Zone Coperation Planting Task Name Planting t Date/Time O4/20/2017 9:35 ime Worked Ces Conditions Notes Sprayer Area Worked	k#1) • •
Stark Farm 28.74 ha lanting) hrs 35 PM - 2:59 AM	Map Inputs	Seed Rate C/P 1498AM	× * 2 0 0 (ks/ha) 58.45	Map In Showing i Operat Plan Vehicle 9230 O Implem	puts nput totals for Task ors ter, Doug 3.39 hrs s 0 3.39 hrs nents	\$0.00 / hr \$0.00 / hr	Stark Demo Cl Sta Sta Sta Sta C Resour C		k#1) • • • Anage Operation Types • PM End Date/Time 04/21/2017 12:59 AM 3.39 hrs Area Worked 27.16 227.16 ha Cost \$0.00 26.21 ha Cost \$0.00 0.00 I/ha Quantity Used 1.244.02
Stark Farm 28.74 ha lanting) hrs 35 PM - 2:59 AM	Map inputs	Seed Rate C/P 1498AM	Ks/ha) 58.45 (ks/ha) 58.45	Map In Showing i Operat Plan Vehicle 9230 Implem Spra	puts nput totals for Task ors ter, Doug 3.39 hrs s 0 3.39 hrs nents aver 27.16 ha	\$0.00 / hr \$0.00 / hr \$0.00 / ha	Stark: Demo Cl Star Resour Resour	Stark Farm Crop Zone Crop Zone Crop Zone Crop Zone Condition Crop Zone Condition	k#1) + • •
Stark Farm 28.74 ha lanting hrs 35 PM - 2:59 AM	Map Inputs	Seed Rate C/P 1498AM	A O C (ks/ha) 58.45 C (ks/ha) 58.45 C alGiobe Report Map Problem C C	Map In Showing I Operat Plan Vehicle 9230 Implem Spra O Materia	puts nput totals for Task ors ter, Doug 3.39 hrs s 0 3.39 hrs nents ayer 27.16 ha als 44.0 1.244.024	\$0.00 / hr \$0.00 / hr \$0.00 / ha \$0.00 / ha	Stark Demo Cl Star Star Star Resour	H Image: Stark Form Crop Zone 2017 Corn (Stark Operation Planting Task Name Planting Task Name Planting t Date/Time 04/20/2017 9:35 ime Worked Image: Sprayer Area Worked Image: Sprayer Target Rate Actual Rate: 47.46 ADD OPERATION Image: Sprayer	k#1)

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 \bigcirc with the caution symbol



- indicated

Select an activity item to Add, Edit, or Delete \bigcirc



Select items to Verify, Merge, or Reassign \bigcirc

MERGE VERIFY 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



Online | Manage Files FARMER PRO ONBOARDING

Erimble , Farm Field	Fleet Analytics Data Tr	ansfer				⊥ ≬ 0 Ⅲ		
2020 - Jump to field -								
Menu «	From Vehicles	10/02/2018 - 11/01/2018				RELOAD		
Manage Files	To Vehicles	Date Uploaded 🤟	Vehicle	File Name	Size	Status		
the Cattings	Upload	11/01/2018 11:33:57 AM	Seaworth JD 8320R	AIM_Seaworth 2018_Little_flood_plow_20181	01_093 64 KB	Processed		
Secungs	Resource Exports	11/01/2018 11:26:42 AM	Seaworth JD 8320R	AIM_Seaworth 2018_Little_flood_plow_20181	01_092 57.1 KB	Processed		
	Search From Vehicles	11/01/2018 11:22:47 AM						
		11/01/2018 11:21:20 AM	From Vehicles	01/02/2017 - 11/01/20	8 🏢			
		10/31/2018 7:57:06 PM	To Vehicles	Date Uploaded 🔻	Vehicle	File Name	Size	Status
		10/31/2018 7:55:23 PM	Julioad	10/01/2018 1:13:51 PM		5047591402_20181001_171351.zip	18.1 KB	Pending
		10/31/2018 7:41:11 PM	Resource Exports	09/30/2018 7:10:52 PM		5047591402_20180930_231050.zip	534 Bytes	Pending
		10/31/2018 7:26:21 PM	Search To Vehicles	11/22/2017 12:50:32 PM	Seaworth JD 8235	Operators.zip	339 Bytes	Pending
		10/31/2018 2:53:38 PM	*	11/22/2017 12:50:32 PM	Seaworth JD	Operators.zip	339 Bytes	Sent
		10/29/2018 8:49:48 AM	*	11/22/2017 12:50:32 PM		Operators.zip	339 Bytes	Pending
		10/29/2018 7:49:46 AM	*	11/22/2017 12:50:32 PM	Seaworth JD	Operators zip	339 Bytes	Pending
				11/07/2017 2:06:53 PM	7260R	Case Loro Plate tif	18.4 MP	Pending
				10/30/2017 8·17·04 PM	Kubota RTV1140	operators zin	286 Bytes	Sent



1. Click Data Transfer tab > Manage Files

- From Vehicles lists the files that have been sent to Online from vehicles
- To Vehicles lists the files that have been sent to vehicles from Online
- **Upload** is used to manually upload files to Online or to vehicles
- Resource Exports is used to create resource export files and to send the resource files directly to vehicles
- Use the Filter By... drop down menu to filter the equipment activity list to Date, Crop, Is
 Verified, etc.
- 2. Click on a file name
 - View details including File Type and Transfer Method
 - $\circ~$ Download a copy of the file
 - **Reprocess** the file



AutoSync[™] Feature

0.3.b



AutoSync Summary FARMER PRO ONBOARDING



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

task is completed, task data will transfer from the displays to the online platform.

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

Data Type		Create	Edit	Delete
Guidance Lines		✓	~	✓
Coverage Maps	5 ¹	✓		
Client/Farm/Fig	eld Names	✓	~	✓
Landmarks and	Boundaries	✓	~	✓
Operators		✓	~	✓
New	Vehicle Profiles ²	✓	~	~
New	Materials	✓	~	✓
New	Implements	✓	~	✓

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 PRO ONBOARDING

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

AutoSync Requirements

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

AutoSync Setup Steps

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



AutoSync | Step 2: Cleanup, Backup, and Update

FARMER PRO ONBOARDING





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

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



AutoSync | Step 3: Connect Display to Internet

FARMER PRO ONBOARDING

-K II									
					٢	٠		٠	0
			7	~	PROFILES	SETTINGS		C84480	_
Amaze	0	Data Transfer Service	21	FmX Plus					5
Trimble Ag	(Vysar	~						•
								_	
Settings							♥ 09:57		
	WIRELESS & NETWO	PRKS							
	🗢 Wi-Fi					ON			
	🕚 Data usage								
	More								
	DEVICE								
	📢 Sound								
*								÷	2:09
WI-FI						ON	()	+	
-	devolo-bcf2 Connected	afcbbfe3				4	1		
	SKY4C510						~		
	Secured with W	PA2 (WPS available)							
	A Language &	input							
	➔ Backup & re	set							
	ACCOUNTS								
\heartsuit		¢		Ū			101		

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



AutoSync | Step 4: Enable Trimble Ag Mobile

FARMER PRO ONBOARDING



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



AutoSync | Step 5: Enable AutoSync in PIQ

FARMER PRO ONBOARDING





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





Generic Data Upload



Online | Import Data (UAV Imagery)

FARMER PRO ONBOARDING



1. Go to the **Data Transfer** tab (top menu)

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

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



0.3.d

Yield Data Upload / Cleaning



Yield Cleaning FARMER PRO ONBOARDING



1. Eliminate Problematic Points

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



Online | Import Data (RAW Yield)

FARMER PRO ONBOARDING



1. Go to the **Data Transfer** tab (top menu)

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

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

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

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 PRO ONBOARDING





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



Yield Cleaning FARMER PRO ONBOARDING

	Calibrate Setti	ngs			×
	Equipment	Acres	Adjustment % 🚯	Avg. Yield/ac	Total Yield
	Combine	311.22	0	1904.35 kg	592666.49 kg
Clean Yield Runs in the ba	ckground and applies the following e	ffects:	0	2091.03 kg	346819.57 kg
Calibra Remov due to	ated Yield les grain flow delay, overlaps, GPS err differentially calibrated combines.	ors, and differences		1969.25 kg/ad	939486.06 kg
Norma Divides Norma yield of pattern	alized Yield s each Calibrated Yield sample point b lized yields are expressed as a percent f the field and can be used to compar and sacross different crops and years.	by the field average. ntage of the average re spatial yield		Total Yield	939486.06 kg
View Requir	rements	from the collected			
Merge Combines two the same field	or more tasks into a single task. The with the same crop and Task Type/O	n for that field(s). tasks must be for peration.			CLOSE SAVE
Reassign Updates the cr the field(s) for	op zone for any task that's missing a an assigned crop that matches that d	crop, by searching late range.	VERIFY TASK	EDIT	CLEAN YIELD

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

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

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



Executing In-Season Agronomics





Online | In-Season Agronomics

FARMER PRO ONBOARDING

Objective: How to manage the various agronomic components of your operation during the growing season

In this session you will learn:

- How to collect soil samples and review lab results
- How to document and review in-season applications
- How to document a scouting event in mobile and online
- How to review Farm Weather data
- How to monitor your crop growth
- Using Prescriptions
- How to create and manage Work Orders in mobile and online





Soil and Tissue Sampling



Online | Soil Samples (Benchmarks)

FARMER PRO ONBOARDING

Trimble. Farm Field 2018 • 13 •	Fleet	Analytics	Data Transfer	Console										÷	4 2 📀				
Menu «	GIS	BOUNDARY	BENCHMARKS	ZONES	GUIDANCE LI	INES LA	NDMARKS									1			
🕇 Back																			
Overview	2018	ield GIS Bench	marks											EXPO	RT BENCHMARKS				
🕅 GIS		Name			Lat 41.0	72826876537		Long -90.8567	0814407		Description			Icon	×	Î			
🛎 Weather		10			41.0	71927738004		-90.8591	1095266					•	×	11			
E Work Orders	1	11			41.0	71925026061		-90.8579	1107721					•	×	н.,			
Equipment Activity		12	_		41.0	71922314118		-90.8567	1120176					•	×	11			
👗 Lab Data		14	()): Trin	nble. Farm	Field	Fleet	Analytics	Data Transfer	Console									± 🄎	⊘ Ⅲ
📰 Planner / Budget			2018 -	13 +	<<			.											
₩ Harvest Data			🖛 Bac	:k		GIS +	BOUNDARY	BENCHMARKS	ZONES	GUIDANCE LINE	5 LANDMARKS				C. A.		2		
				erview		-									. 19		Layers		¢ ×
			🚺 GIS						1								\$	10	
	_		💣 We	ather				(•	•	•		(•	•			Benchmarks PowerZone 2.0		λ₩= λ₩≡
			F wo	rk Orders													Transparency		
			§≣ Equ	upment Activity					•	•		 	۲	•			Zone 1 Zone 2 Zone 3		
			🛆 Lab	Data					\frown	$\widetilde{}$	2/1	Ж				in the second	O Zone 4 O Zone 5 O Zone 6		
			🖳 Fiel	d Programmer)/•	یا قرل		\nearrow	~			✓ Vegetation Inde	ex (Classified)	2 @≡
			Pla	nner / Budget						4	.)	$\langle \langle \langle \rangle \rangle$					☑ Vegetation Inde	ex (Calibrated)	2.±≡
			<i></i> € на	arvest Data					•	(<u> </u>		•	۲		+ EXPOR	☑ Field Boundary	¢	201
															✓ EDIT✓ EDIT	FIELD BOUNDAR	Y		
			🐔 Syn Last	cing turned off t 24 hours	_						€ 2011 - 2018 T	LE RIMBLE, INC. ALL RIGHTS RES	eafiet Copyright © ALK T	echnologies Inc., © F RMS OF SALE PRIVAC	IERE, Imagery © Digit /	alGlobe Report Map Pro	blem		

1. Go to Marketplace > if it hasn't been added already search for Soil Sampling and click Add

- 2. From a **Field**, click **GIS** tab
- 3. Under the **Benchmark** tab:
 - Lists all benchmarks acquired for profile, including:
 - Soil Sample points, Scouting points, other benchmarks acquired through mobile app.
 - click Choose Files > locate the GPX, KML or KMZ > click Open
- 4. To view your **benchmarks** overlayed on top of other GIS layers:
 - click the **Boundary** tab
 - click Layer menu icon (*) > click Gear icon (*) > check off desired layers, i.e.
 Benchmarks, Crop Boundary, Crop Health Imagery, Management Zones > click
 Save
 - you can adjust layer transparency by clicking the layer name > dragging the sliding
 bar left and right until you reach the desired transparency.



Online | Soil Samples (Lab Data) FARMER PRO ONBOARDING

Crimble. Farm Field Source Jump to field +	Fleet Analytics Da	ata Transfer Co	onsole										±	? ∷	1
Menu «	LAB DATA SOIL	MANURE TISSUE	LABELS & F	ORMS											
📙 Lab Data	Manage Soil Tests												O M	IANAGE 🔻	
📈 Field Data Analyzer	Select/Deselect All										Report	Depths: All	Show GPI Co	olors on PDF	
Reports	Chenier Farms														
	Field ID	Field N	Name		Legal N	lame		Date			# of T	ests			
Market Position Sheet	867573	13						2018-0	02-01		25			2	
Scouting Report	Import Soil Test Data From	n Excel													
E Crop Production Costs	Choose File Soil Tests Results ne	w.csv Upload Soil 1	Tests From File												
		Soil Test Data	Importer Beta												
		Soil Test Data Importer	omit Data	Current Templ	ate:	Save or Up	date Template:	Save to	rmat						
		Row Field ID	Date Sampled	Start Depth Or Depth Range(inches)	End Depth(inches)	Organic Matter	Phosphorus(P)	Phosphorus (P1)	Phosphorus (P2)	P1:P2 Ratio	Saturation P%	Potassium	Magnesium	K:Mg Ratio	Calcium So
		Field_ID Field_ID	Date Date	Start Depth Start Depth	End Depth	OM V	· ·	P1 P1	•	•	•	K K	MG MG		CA CA
		1 867573	2016-10-20 12:00:00 AM	0	6	2.2		16				101	193		1271
		2 867573	2016-10-20 12:00:00 AM	0	6	2.3		11				96	182		1419
		3 867573	2016-10-20 12:00:00 AM	0	6	2.3		10				127	242		1321
		4 867573	2016-10-20 12:00:00 AM	0	6	1.5		12				111	287		1075
		5 867573	2016-10-20 12:00:00 AM	0	б	1.2		13				123	321		1023
		6 867573	2016-10-20 12:00:00 AM	0	6	1.9		10				113	256		1325
		7 867573	2016-10-20 12:00:00 AM	0	б	2.3		11				110	289		1245
		8 867573	2016-10-20 12:00:00 AM	0	6	2.4		15				125	290		1234
		9 867573	2016-10-20 12:00:00 AM	0	6	2.6		14				98	146		1365
		10 867573	2016-10-20 12:00:00 AM	0	6	2.9		13				115	186		1235
		11 867573	2016-10-20 12:00:00 AM	0	6	3.4		12				90	298		1325
		12 867573	2016-10-20 12:00:00 AM	0	б	3.1		11				119	314		1456
		13 867573	2016-10-20 12:00:00 AM	0	6	2		15				126	365		1025
		14 867573	2016-10-20 12:00:00 AM	0	6	1.5		18				120	389		1098
		15 867573	2016-10-20 12:00:00 AM	0	6	1.5		12				111	287		1075
		16 867573	2016-10-20 12:00:00 AM	0	6	2.2		16				101	193		1271
		17 867573	2016-10-20 12:00:00 AM	0	6	2.9		13				115	186		1235
		18 867573	2016-10-20 12:00:00 AM	0	6	2.2		16				101	193		1271
		19 867573	2016-10-20 12:00:00 AM	0	6	2.9		13				115	186		1235
		20 867573	2016-10-20 12:00:00 AM	0	6	2.9		13				115	186		1235

- under Import Soil Test Data From Excel, click Choose File > locate the analysis results in
 .CSV format from the lab > click Open > click Upload Soil Test Results From File
- Select the .CSV attribute from a columns Dropdown menu that matches that columns title.
 i.e. Organic Matter (column title) = OM (csv attribute). Do this for all applicable columns. If
 there is no matching attribute for the column, you may leave that drop down menu blank.
- 4. To **save** the column drop down menu selections as a **template** to apply to future lab submissions with an identical .csv layout, enter a **Template Title** > click **Save Format**
- 5. To use an **existing template**, select the desired template from the **Current Template** dropdown menu
- 6. Click Verify Format
 - Correct any errors that are identified, if any.
- 7. Click Submit Data



Mobile Grid Soil Sampling



- To create a Grid Sampling operation, tap the desired field in your Trimble Mobile App > Tap on the Soil Sampling tile
- 2. Tap the (+) symbol to create a new grid
- 3. Tap Settings >
 - Grid size 5 Acres > Continuous Sampling On > Sample Location ID is Numeric > Sampling Depths 0-6 and 6-12 > Sample Location set to Use GPS Location > tap back arrow in upper left
- 4. Tap **Move** > tap a move finger on screen to move Grd
- 5. Tap **Rotate** > move scale bar to rotate Grid
- 6. Tap **bottom right arrow** to proceed to next screen
- 7. Edit point locations as needed using 1 of 3 methods
 - tap the point and manually relocated it within that grid or to delete it
 - tap the point randomizer
 - tap (+) symbol to manually add a new point
- 8. Tap **bottom right arrow** to proceed to next screen
- 9. Tap the start location of the sampling operation > tap the sample direction > this will number the sample locations
- 10. Tap **Start Sampling** at the bottom right corner
- 11. When you are in the field overtop of the **sample location**, tap **Log GPS Sample** to mark sample location as **complete**.
- 12. Tap **Save** icon in top right > tap **Save and Mark Complete**



Online | Tissue Sample (Lab Data)

©:Trimble . Farm	Field	Fleet Ana	l ytics D)ata Transfe	r Conso	ble	
2019 - Jump to field -							
Menu	«	LAB DATA	SOIL	MANURE	TISSUE	LABELS & FORMS	
👗 Lab Data		Manage Tige	Tasta				
📈 Field Data Analyzer		Select/De	select All				
Reports		Test Farm	D	Test Date		Field Name	Growth Stage
Scouting Report		12631	90	7/4/2019		Field_SoilSampling	pre-flower to 50% flower
Crop Production Costs		Choose File	ue Test Data No file chosen	From Excel	pload Tissue Tes	ts From File	

Tis	sue Test Data	Importer Be	ta							
Ve	rify Format Subm	it Data	Current Templa	te:	 Save or Upd 	ate Template:	Save form	nat		
Ti	sue Test Data Importer									
Row	Field ID	Crop Year	Date Sampled	Growth Stage	Plant Part	Nitrogen % Actual	Nitrogen % Hi	Nitrogen % Low	Nitrate Nitrogen % Actual	Nitrate Nitrogen % Hi
	Farm Name 🔹 🔻	Field Name 🔹	Field ID 🔹	Sample ID 🔹	Zone Name 🔹 🔻	Zone Code 🔹 🔻	Crop Year 🔹 🔻	Test Date 🔹	Lab 🔻	Growth Stage 🔹
	Farm Name	Field Name	Field ID	Sample ID	Zone Name	Zone Code	Crop Year	Test Date	Lab	Growth Stage
1		Soil Sampling_GVF	1263190				2019	7/4/2019 12:00:00 AM	tst_lab	pre-flower to 50% flower

- under Import Tissue Test Data From Excel, click Choose File > locate the analysis results in
 .XLS format from the lab > click Open > click Upload Tissue Test Results From File
- Select the .XLS attribute from a columns Dropdown menu that matches that columns title.
 i.e. Organic Matter (column title) = OM (xls attribute). Do this for all applicable columns. If
 there is no matching attribute for the column, you may leave that drop down menu blank.
- 4. To save the column drop down menu selections as a template to apply to future lab submissions with an identical .csv layout, enter a Template Title > click Save Format
- 5. To use an **existing template**, select the desired template from the **Current Template** dropdown menu
- 6. Click Verify Format
 - Correct any errors that are identified, if any.
- 7. Click Submit Data





Management Zones



Online | Manual Zone Creation



1. Enter the desired field

SAVE AS NEW FIELD ZONE

2. Click **GIS** tab

CANCEL

- 3. Click the **Zones** tab within the GIS section
- 4. Click Manage > Draw New Zone

UPDATE

- 5. Use the appropriate **GIS tools** to make adjustments to the new Zone layer
- 6. Click save
- 7. In the **Save Field Zone** pop-out window;
 - Enter a new Field Zone name: **Zones 2018**
 - Enter Zone IDs: 1-6
 - Adjust Color themes
 - Enter individual **Zone Names**, if desired
 - click Save As New Field Zone



Online | Upload Management Zone

FARMER PRO ONBOARDING



1. Enter the desired field

- 2. Click **GIS** tab
- 3. Click the **Zones** tab within the GIS section
- 4. Click Manage > Draw New Zone
- 5. Use the appropriate **GIS tools** to make adjustments to the new Zone layer
- 6. Click save
- 7. In the **Save Field Zone** pop-out window;
 - Enter a new Field Zone name: **Zones 2018**
 - Enter Zone IDs: 1-6
 - Adjust Color themes
 - Enter individual **Zone Names**, if desired
 - click Save As New Field Zone





Applications



Online | New Field Manager

FARMER PRO 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 Details	
Delete Field	
New Crop	
Switch to Legacy Field Mana	ager

- Add a product application on Mobile App

• Use Farm Calendar



FIELD MANAGER
OVERVIEW

FIELD MAP

End of the prevention of

	🌣 MANAGE 🗸
Edit	
Delete Field	
Split Field	
New Crop	
Save Actuals a	as Crop Plan
Switch to new	Field Manager

Ş]	Train Trainin 94.88	ing Field - ng Client 1: Tr Acres	Flat - W raining Farm 1		Crop: Planted:	Soybeans 05/12/2018				+ ADD TAS	K Ç
Act	ivities	P	rofitability	Seeding	Fertility	Chemicals	Harvest	Irrigation	Scouting	Other		
	Con	nplete	ed Activitie	25							Show Incom	plete
			Activity			Date 🔺	Day Plar	s After nting	Area		Cost	
	~	Ş	Soybeans S Spreading	5preading		04/24/2018	-18		94.88 ac		\$256.45	:
	~	Į	Seeding Planting			05/12/2018	0		98.06 ac		\$93.55	:
	~	2	Soybeans S Spraying	5praying		06/24/2018	42		94.88 ac		\$50.24	:
	~	9	Harvest Harvesting			10/03/2018	144		96.65 ac		\$0.00	÷

2	Training Field - Training Client 1: Tro 94.88 Acres	Flat - W aining Farm 1		Crop: Soy Planted: 05/	beans 12/2018		+ ADD TASK
Activities	Profitability	Seeding	Fertility Chem	icals Harvest	Irrigation	Scouting Other	
	Incom	e / ac (49.49 bi 69.15	u / ac)	Expenses / ac \$428.	90	Profit/ac \$141.30	•
	Туре		Total	\$ / ac	\$ / bu		
	Seed		\$9,173	\$96.68	\$1.95		
	Fertilizer		\$23,721	\$250.00	\$5.05		
	Fungicide		\$4,744	\$50.00	\$1.01		
	Other Varial	ole	\$2,372	\$25.00	\$0.51		
	Other Fixed		\$50	\$0.53	\$0.01		
	Operator		\$15	\$0.16	\$0.00		
	Equipment		\$619	\$6.53	\$0.13		
	Total Exper	ise	\$40,695	\$428.90	\$8.67		
	Crop Sales (4,69	5.78 bu)	\$54,002	\$569.15	\$11.50		
	Other Revenue		\$100	\$1.05	\$0.02		
	Direct Costs (Ma	terials)	\$40,010	\$421.69	\$8.52		
	Gross Profit		\$14,091	\$148.52	\$3.00		
	Equipment & Ot	her Costs	\$684	\$7.21	\$0.15		
	Net Income	_	\$13,407	\$141.30	\$2.86		Ţ

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



	Training Field - Training Client 1: Tr 94.88 Acres	Flat - W aining Farm 1		Crop: Planted:	Soybeans 05/12/2018	}			+ ADD TASK	٠					:	
Activities	Profitability	Seeding	Fertility	Chemicals	Harvest	Irrigation	Scouting	Other					View	Summary		
Û													View Edit	Report	- 1-	
	Data	Gron	Marri	in the		Data	A	Control					Delet	e		
	05/12/2018	Sovbeans	S/C-	3917R2X		92.34 lbs/ac	25.95 ac	\$93.42	/ac				_	_		
	05/12/2018	Soybeans	S/P-I	P38A98X	1	00.56 lbs/ac	72.10 ac	\$93.60	/ac	1						
		Activities	Profitabilit		Fertility	Chemicals	Hanvest	Irrigation	Scouting Othe							
_		Activities		y secong	rentinty	chemicals	Harvest	ingation -		-1		- L				
			ate 🔺	Material (Blen	id) Actua	l Nutrient	Placement	Туре	Rate Area	a Cost/	/Area					
		0.	4/24/2018	46-0-0	46-0-0 46-0-0	-0 -0		Dry 100.00) IDS/ac 94.88 a	C \$250.0	JU /ac	· .				
			ſ						1						_	
		_		Activities	Profitability	/ Seeding	Fertility	Chemicals	Harvest I	rrigation	Scouting	Other				
				ŵ												
				Da	ate 🔺 🕴	Material		Cost/Unit	Target Pest	PHI	REI Rate	Area Co	ost/Area			
				06	/24/2018 /	ABSOLUTE 500) SC FUNGICID	E \$5.00 / I	10	0 days 72	2 hr 10.00 l/ac	94.88 ac \$	50.00 /ac	:		
							Activities	s Profitability	/ Seeding	Fertility	Chemicals	Harvest Ir	rigation	Scouting	Other	
							同	1								
								09/24/2018	96.65 a	a c	48.59 bu/ac	4,695.82	2 bu	\$11.50 /bu	\$54,001.93	
							_				Total	4,695.82	2 bu			

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



	Task Name *	Sovbeans Spraving		Search			
					MY MATERIALS RECE	NT	
Choose Eield(s)	Operation *	Spraying	•	Nam	e Ba	alance	Î.
		🌣 Manage Operation T	pes	0-0-6	0+48Cl 0.	000 ton	
● 🗷 🖻 Gopherville	Crop *	2019 Soybeans (Gopherville)	•	11-52	2-0		
2019 Soybeans	Start Date/Time	06/12/2019 8:00 AM		16-16	Fertilizer 0-0-60+48Cl		
🗆 🔠 Gordon Home Half	End Date/Time	06/12/2019 8:00 AM	- L.		Area Applied		464
🗉 🖩 Goudys Home North			- L.	46-0-	0 Cost		\$358.00
🗆 🔣 Goudys Home South	Time Worked	0.00 hrs		46-0-	0 Target Rate		0.00
● 用 Goudye North Section	Area	464.22 ac		ALPIN	Actu NE G2:	ual Rate: 0.00 lbs / ac	c
	Comments			Cano	Quantity Used		0.0
					Rate Type	Hat Rate	O Va Rate
					Placement	Choose	
🖸 🖩 Harroby Quater					MORE		

t Operator(s) Jacob		×
t Operator(s) Jacob		×
t Operator(s) Jacob		×
Jacob		
Jacob		
James Farmer		
John Farmer		
	CANCEL	ADD
	_	_
		CANCEL



Add a Task

- 1. Click the Add Task button (+ ADD TASK) from any Field Manager tab to manually add a completed task
- 2. You have the option to select other fields if you want to add the same task to multiple fields
- 3. Click **OK**
- 4. 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
- 5. Select the Material tab to Add your Material
- 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**
- 7. Go to **Equipment** tab and click **Add** to enter **y**our Equipment and Implements for this task
- 8. Select the Vehicle from the list and Click OK.
- 9. Select the **Operator** tab, Add the Operator for this task
- 10. The **Conditions** tab allows you to enter the weather information.



Trimble

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

FIELDS	Completed Soybeans	
Training Field - Flat - W Training Client 1 : Training Farm 1 94.88 ac 07/25/2019 8:00:00 AM	General Materials (0) Equipment (0) Operators (0) Conditions No Materials	+ ADD Multiple Products Seed Chemicals Fertilizer Lime Tank Mix Water



Seed 28-10RY-Advisor				×
⊛ Fia	at Rate	© Var	riable	
Area Applied		464.2	2 ac	
Cost	s	200.00	/ bag	
Target Rate		10.00	kS / ac	Ħ
Actual	Rate: 10.00 kS /	ac		
Quantity Used		154.74	bag	
Comments				
			/i	
SEED SOURCE			~	
(CANCEL		ОК	

Chemical boron		×
Area Applied	464.22	ac
Cost	\$0.00	/ gal
Target Rate	0.00 g	;al/ac
Actu	al Rate: 0.00 gal / ac	
Quantity Used	0.00	gal
Application Type		
Pre-Harvest Interval		days
Restricted Entry Interval		hrs
Sensitive Area		
Target Pest		
Comments		
		//
	CANCEL	

Name *		±
Dolomitic		
Purity % or % Calcium Carbonate Equivalent *	100	96
Purchased Units *	Choose	•
Unit Cost		
Applied Units *	Choose	•
Default Target Rate		
% Passing Mesh Size 10		96
% Passing Mesh Size 50		96
Neutralizing Value (Calculated)	0.00	
	CANCEL	SAVE

Tank Mix	×									
Area Applied	ac									
Cost	\$0.00 / gal									
Target Rate	0.00 gal/ac									
	in Note: goily be									
Quantity Used	0.00 gal									
Carrier										
Comments										
Ingredients	^									
ADD INGREDIENTS										
	CANCEL									

Water Properties		×
Name *		
Purchased Units *	Choose	_
Unit Cost		_
Applied Units *	Choose	_
Default Target Rate		
		_
	CANCEL	- 1
		_

Other Materials can be added in the same way as Fertilizers

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



FIELDS	Completed Soybeans Harves	sting		
Training Field - Flat - W Training Client 1 : Training Farm 1 94.88 ac 07/25/2019 8:00:00 AM	General Materia Task Name * Operation * Crop *	Als (0) Equipment (0) Operators (0) Conditions Harvest Soybeans Harvesting Harvesting Alarvesting Anage Operation Types 2018 Soybeans (Trainin;	Harvest Soybeans	×
	FIELDS	Completed Soybeans Harvesting	Area Harvested	94.88 ac
	Training Field - Flat - W Training Client 1 : Training Form 1	General Materials (0) Equipment (0) Operators (0) Conditions Harvest	Price	\$0.00 / bu
	94.88 ac	Name Area Price/Unit Average Yield Quantity	Average Yield	35.41 bu / ac
	8:00:00 AM	Soybeans 94.882 ac \$0.00 / bu 0.000 bu / ac 0.000 bu	Quantity Harvested	3,360.00 bu
				CANCEL OK
		CANCEL	SAVE	

Add a Harvest Task

- When you select a Harvesting Operation the Harvest tab is created. 1.
- Enter the relevant task information on the General tab. 2.
- 3. Select the Harvest tab
- Click on the harvest line item to open the Harvest details window. 4.
 - Enter Area Harvested, Price, Average Yield or Quantity Harvested, then click OK \bigcirc
- Click Save to save the harvest task. 5.



Online New Field Manager

FARMER PRO ONBOARDING

Training Field - Flat - W		carbona							Weath	er/Irrigatio	n Event		
17aining Client 1: Training Farm 94.88 Acres	Plan	ed: 05/12/2018	3			ADDTASK	1			Date	07/25/2019	Ê	
ties Profitability Seeding	Fertility Chemica	ls Harvest	Irrigation	Scouting	Other		1			Туре	Irrigation	•	•
1			Ū		+ ADD EVENT	SHOW CHART				Source	None	•	·
Date 🔺	Туре	[Amount		0.00 in	
04/27/2018	Rain		Activities Pro	ofitability Seedin;	g Fertility Chemicals	Harvest Irrigation	Scouting Other		RT Cor	mments			
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			40.00 - 30.00 - 5 20.00 -										
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		07/24/2019	Other Fixed	Other Fixed	\$0.53 /	ac	1	CANCEL
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Additional Field Events

- 1. The Irrigation Tab:
 - Use Add Event to add an irrigation event
 - Chart view is also available
- The Scouting tab will display any scouting tasks that have been logged with the Trimble Mobile App
 - Edit and Print capabilities are available for the scouting reports
- 3. The Other tab:
 - Use the Add Expense button to open the Add Expense window
 - Enter the details for a miscellaneous expense or revenue task
 - Click OK to save



		See	ed											2	
		Dat	te Crop Type		Variety		Germ.	Mortality	Seed	Plants	;	Rate Comments	A	cres Cost/	/Acre
		5/1:	2/2017 Corn - RR Primary		P7005AM		96	96	seeds/kg	plants/ha	28,000	eeds/ac	6	5.21 5	0.40
		2/2	22/2018 Corn - RR UnderSeeded/Refuge	2	P7005AM		96	96					6	5.21	
		Fer	tilizer Application											2 🗎 🖉	
		Dat	te Comment	Placem	ient	Туре		Actual Nutrient (lb/ac)		Acre	es Rate	Product (Blend)		Cost/	/Acre
			Starter In seed row	Seed P	laced	Liquid	ž	3-11-1-0		65.2	1 4.5 gal/ac	ALPINE G22		1	17.20
			Urea	Side ba	and	Dry	2	75-0-0-0		65.2	1 163 lb/ac	46-0-0		2	26.90
			Side Band	Band		Dry		10-41-48-3-38.5Cl-0.2Zn		65.2	1 165 lb/ac	5-24-29-1-23.3Cl-0.1Zr		3	38.12
							Total	87-52-49-3-38.5Cl-0.2Zn						8	32.22
		Fiel	ld Scouting / Product Recommenda	tions										Field Scouter/Produ	<u>ct Rec</u>
		Dat	te Type						Stage		State	ıs			
		Jun.	n. 08, 2018 Field Scouter											P 2	2
Fertili	izer Applicat	tion 🗳 Add Analys	sis, Manure or Compost												
Pass #	Tank #/Size	Date (Comment/Zone Placeme	ent/Type Produ	ict	Price (to	nne) Acre	es Rate Cost/Acre							
			▼ Dry	▼				lb/ac ▼						2	
Select fi	ields to apply a	application to.							_						
	Field ID 867526	Farm Name	Field Name Ochsner F	Legal Desc.	Acres	Crop - Desc		Variety	_						
	867573	Chenier Farms	13		65.21	Corn - RR		Product	Application						
	1077211	Chenier Farms	west 7 - CropCare		63.99	Barley - 2 Row	v Silage	Application	Туре	Ground	•	Cr	op Stage		
	1024002	CDN Farm	East Field - Corn		34.3	Corn		Soncitivo A	roa				ray volume		
	1024002	CDN Farm				com		Applicator	Namo	® No ○ Y	25	24	plicator Liconso No.	gal	•
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		CDATAIN	East Field - Soy		30	Soybeans		Applicator Applicator	Name Comments	© No ∪ Y	Pate (Aş	Comments	Target Pest	PHI REI
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1. Click into a **Field** through the **Jump to Field** quick search bar or by clicking **Field** > **Field**

Profiler > click desired field

- 2. Click in the **Engine** button (
- 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

							Demo Farms •	Company Fai	rm Field Fleet Analyi	tics Workbench Data T	ransfer Console				± ♠ª ? III Print
							Menu	«	OVERVIEW OVERVIEW	FIELD MAP					
							<table-cell-rows> Back</table-cell-rows>								
							Overview		2018 Field Manager						O MANAGE -
							🔊 GIS		Field Details # 867573 Field Name	13 - Chenier Farms	A	DS Field ID	867573		
							🛎 Weather		Legal Crop	Corn - RR	# Va	Acres	65.21 P7005AM	Irrigated Seeded Date	No
OVERVIEW	OVERVIEW	FIELD MAP									Ac	ctual Yield		Harvest Date	
Seed															
Date	Сгор Туре		Variety		Germ.	Mortality	Seed	Plants	Rate Comm	ents Acres	Cost/Acre		Cost/Acre	Cost/Unit	
5/12/2017	Corn - RR Primary		P7005AM		96	96	seeds/kg	plants/ha	28,000 Seeds/ac	65.21	50.40		\$50.40 \$82.22	\$50.40 \$82.22	30% Seed 49% Fertilizer
2/22/2018	Corn - RR UnderSee	ded/Refuge	P7005AM		96	96				65.21			\$11.50	\$11.50	7% Foliar 13% Herbicide 0% Insecticide
Fertilizer A	oplication										2 🔉 2 🖪 🕓		\$22.46 \$0.00	\$22,46	0% Fungicide 0% Variable 0% Fixed
Date	Comment		Placement	Туре	Ac	tual Nutrient (lb/ac)		Acres	Rate Product (Blend)		Cost/Acre		\$0.00	\$0.00	0% Operator 0% Equipment
	Starter In seed row		Seed Placed	Liquid	2-1	11-1-0		65.21	4.5 gal/ac ALPINE G22		17.20		\$0.00	\$0.00	
	Urea		Side band	Dry	25	-0-0-0		65.21	163 lb/ac 46-0-0		26.90		\$0.00	\$0.00	
	Side Band		Band	Dry	2 10	-41-48-3-38.5Cl-0.2Zn		65.21	165 lb/ac 5-24-29-1-23.3Cl-	0.1Zn	38.12		\$0.00	\$0.00	
Field Scout	ng / Product Rec	mmendations	,		Total 87	-52-49-3-38.5CI-0.2Zn				Brow	82.22		\$166.58	\$166.58	
Date	Type	minentiations	, 			2	5tage		Status	Line <u>Field</u>	Scouter/Product Rec				
Jun. 08, 2018	Field Scou	iter									Pi Z 📩	18 TRIMBLE, INC. ALL RIGHTS RESERVED. 1	TERMS OF USE TERMS OF SALE PRIVACY		
Product Ap	plication														
May. 29, 201 Acres: 65.21	7 12:00 PM - 01:00 P	М	Spray Vol	lume: 5 gal											
Application	Type: Ground						Product A	pplicatior	n						
Product			PC	CP #		Cost/Unit	Application 1	Гуре	Ground	•		Cr	op Stage		
Sortan IS - (2) TRANSORB HC - (9)		25	344		874.00 jug 6.13 l	Sensitive Are	a	● No ●	Yes		Sp	oray Volume	5 gal 🔻	
						0.131	Applicator N	ame				Ac	oplicator License No		
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							Sortan IS		874 jug	▼ 😋 80 ac/ju; ▼	10.93 0.	.82 jug			🔹 hours 🗈 🗖
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							Field ID Field	eld Name	LLD Date - Start		Date - Er	nd	Acres	Weather Temp W	ind Sp Wind Dir
							867573 13	3	2017-05-291	2:00 PM 🗒 🕑	2017-05	5-29 01:00 PM	65.21	Sunny 65 °F 11	mph SE 🔻
							Update	•	Delete Close W	/indow					Get Weather Condition

1. Click into a Field through the Jump to Field quick search bar or by clicking Field > Field Profiler >

click desired field

- 2. Field Details can be edited by clicking Manage > Edit
 - After edits have been made, click **Save**
- **3. Expense Breakdown** area is a summary of the costs associated with each field event. These costs make of the fields **Cost of Production (COP)**

4. All other areas below the expense breakdown are the various Field Events. Click the Edit icon (\mathbb{Z}) to edit any of the Event details.

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



Mobile Adding Applications

8		🖻 🖹 ♀ 👯 🥵	3% 🖬 12:5	7 PM
< Field /	Applications		P,	+
-	13 Corn - RR - P7005A 2017-05-12 [544 DA	M AP]	65.2	21 ac 2018
Actuals				
ਚ 22		P7005AM		RR 🗌
λη 12		P7005AM		RR 🗌
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С		▆ਫ¥⋷ᢟᡃ፼୷	7% 🛢 12:58 PM					
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Search								
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Banvel			0 gal					
Clethodin	n 2E		2.49 gal					
Dicamba			49.66 gal					
Dual Mag	Inum		-10.02 gal					
Durango			-52.67 gal					
Engenia			-309.31 gal					
HalexGT			-84.05 gal					
Jet-Ag			30 pt					
LV 6			90.42 gal					
Liberate			30 80 gal					
	Tap he	re to fill entire scree	n g					
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1. Tap into the desired **Field**

- 2. Tap the desired **Input** tile
 - Fill in application details
 - Tap Input tab (🔂) to add a new input
 - 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 () to add **equipment** to application
 - Tap the **plus** symbol beside the **equipment** type to choose equipment
 - Tap **Operator** tab (²) to add **operator** to application
 - 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



Trimble

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

Online | Farm Calendar FARMER PRO ONBOARDING

Argenting Product	Setting Transmission Transmission Setting Transmission Setting Tra		Event	Calendar										
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1. Click Field > Farm Calendar

- 2. Select Month and Year
- 3. A Legend can be located at the top that identifies each event type by color
- 4. Click an **existing event** to see more details
- 5. Click the grey bar at the top of a date to add new events for that date to the calendar.
 - Select the event type from the Add New... dropdown menu > enter event details > select fields to apply event to > click Add (event type) in bottom left corner





Prescriptions



Online | Managing In-Season Agronomics

FARMER PRO ONBOARDING

Objectives - How to manage the various agronomic components of your operation during the growing season

In this session you will learn:

- Learn how to generate fertilizer prescriptions
- Understand how to create multiple applications (Passes) for different times in the season
- Walk through the process:
 - Select Products and enter Nutrient Requirements
 - Set Zones, Passes, and Tanks
 - Repeat for any other Zones, Passes, or Tanks
 - Generate Report/Download Files


Online | Managing In-Season Agronomics

FARMER PRO ONBOARDING

Concepts for Fertilizer Components:

- Prescription components
 - \circ <u>Passes</u> applications in the field in a single trip or period
 - <u>Tanks</u> are included in a Pass. Each Tank will have only one particular blend/material
- Material types
- <u>Single</u> products that are manufactured with a combination of different nutrients (e.g. 16-16-16)
- <u>Blend</u> products that are combined at certain ratios to create a material with a particular nutrient composition (e.g. 46-0-0 + 11-52-0 + 0-0-60)



Online | Prescriptions (Quick Blender)

FARMER PRO ONBOARDING

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	Zone 4				7.7	79		11.92 %	98.87		70			. 1
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1. Before you start, make sure your Zones are set as Nutrient Zones.

- From Zone Import:
 - Click into a field > click GIS tab > click Zone tab within GIS
 - click Manage > click Add Zone form Shapefile > click Choose files > select the shp shx dbf and prj files for zones > click op
 - Enter zone name
 - Nutrient Zone: Yes
 - Zone ID Column : (select the zone id attribute)
 - click Set Default Colors
 - click Create Zones
- \circ From Zone Edit:
 - Click into a field > click GIS tab > click Zone tab within GIS
 - click Zone Edit() button in upper far right corner of existing zone file
 - Nutrient Zone: Yes
 - click Save



Online | Prescriptions (Quick Blender)

FARMER PRO ONBOARDING



1. Go to Field Profiler > Select Desired Field, using the Legacy Field Manager, scroll down until

Fertilizer Application

- 2. Click I on the right menu
- 3. Fill out your recommendation: NPK = 20-20-40
- 4. On the left, pick a **Product** for each nutrient
- 5. Select Form: Liquid
- 6. Right at the bottom of NPK, select the circle correspondent to the Nutrient Driver: N
- 7. Select Placement Type: Broadcast
- 8. Select the Zone Group: Management Zone used for VRA
- 9. Click: Go

At the next screen:

- 1. Select the **Zones** you want to run same blend
- 2. Select the **Pass** and **Tank** (If more than one blend is going to be used, make sure you change your Tank)
- 3. Click Apply Selected as Actuals
- 4. Repeat the steps for the other zones that will have a different blend.
- 5. Click at 🚯 on the Field Overview Screen to print a report and generate a PDF, or to generate a prescription file and send to connected vehicles.





Weather



Online | Premium Weather FARMER PRO ONBOARDING



Objective: Learn how to use the Premium Weather feature

Hybrid of radar satellites and weather stations

- NA 1km spatial res
- Central and Latam America 4km spatial res
- Europe 1km spatial res
- AUS 1km spatial res
- Middle East 4 km spatial res
- Western Russia 4 km spatial res
- India 4 km spatial res
- Remainder of Golbe 7km spatial res

Source: Weather Decision Technologies (https://blog.weatherops.com/)



Online | Premium Weather FARMER PRO ONBOARDING





1. Click Farm > Farm Weather

- Service should be set to **Premium**
- Provides current and historical Farm Weather information over the whole farm and at the field level
- Units of measurement for Premium weather can be set through the Person icon ()> My Settings > Unit Systems or Customize Unit System or can be temporarily changed using the Gear icon ().
- Current **5 day weather forecast** is located at the top of the Farm Weather page
- For **Historical Weather** records:
 - Select the Farm: CDN Farm
 - Select the Start and End Data: Aug 31 2018 Sept 7 2018
 - Select a Historical Weather type: **Growing Degree Days**
 - click Refresh
- 2. Click Field > Weather
 - Options are identical to the Farm Weather, just at an individual field level.



Online | Premium Weather (cont)

Product Applicat	tion			
Application Type	Ground	Crop Stage		
Sensitive Area	No Ves	Spray Volum	e 5 gal 🔻	
Applicator Name		Applicator Lie	cense No	
Applicator Comment	ts			
				05
Product	Cost/Unit Rate	Cost/Acre Material Comments	Target Pest PHI	REI
Sortan IS	874 jug 🔻 😋 80 ac/ju; 🔻	10.93 0.82 jug		 hours
ROUNDUP TRANSORB	HC 6.13 I 🔻 🥰 0.66 I/ac 🔻	4.05 43.04 I		 hours <a>Image
Field ID Field Nam	e LLD Date - Start	Date - End	Acres Weather Temp	Wind Sp Wind Dir
867573 13	2017-05-29 12:00 PM 🕮 🕒	2017-05-29 01:00 PM	65.21 Sunny 65 °F	11 mph SE 🔻
🛦 🖬 😟 🕅 1:54 PM	🖾 🕰 🔯 🕅 28% 🗐 1:54 PM	🔺 🖻 🕅 👾 🖬 28% 🖬 1:53 PM		
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13 65.21 ac Corn - RR - P7005AM 2018 2017-05-12 [567 DAP]	2° Cloudy Wind 13km/h E 1° Humidity 76% Precipitation 0%	Temperature		Hail Alert
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01:54 PM Crop Condition	04 PM 0° 0% ENE 9km/h	Humidity		There has been a hall event in your area.
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nt Soil Roots Key Dates	05 PM 0 0% ENE 13km/h	Мах		
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eds Insects Diseases Nematodes	08 PM 0° 🔷 0% E 16km/h	Min		
	09 PM 0°	Мах	-	0.75 m 1.00 m
	10 PM 1° 0% E 20km/h	Wind Speed		1.25 m 100 m 100 m 100 m
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	12 AM 2° 0% E 23km/h	Notes		2.75 m 3.00 m
nments	01 AM 2° 0% E 24km/h			350 m 375 m
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	03 AM 3° 🦕 20% ENE 27km/h			
commendations +	04 AM 3° 60% ENE 29km/h		a	
10 + 🛪 M	05 AM 3° S0% ENF 32km/h			

1. Premium Weather add-on activates Field Level weather data for other areas of the software, like:

- In-field Applications
- Scouting
- Work orders
- 2. In North America, Premium Weather activates Field level **hail alerts** that will be emailed to clients for each field that has been impacted by the event. The hail report also includes a map of the field, the area of impact and estimated moisture that fell on the field during the event



Imagery





Online | Crop Health Imagery FARMFR PRO ONBOARDING

Satellites	Collection/ month	Delivery cloud-free	Spatial Resolution
Landsat 8			
Sentinel 2A	8	3-4 on average	10 m
Sentinel 2B			

1. Color Infrared

False color composition Used to ground truthing

2. Natural Color (RGB)

Original color composition as seen by our eye Used to ground truthing

3. Vegetation Index (Calibrated) Multiple satellites cross-calibrated Veg Index Used to monitor crop health

4. Vegetation Index (Classified) Vegetation index classified into 5 classes Used for scouting and application



Online Crop Health (CHI) FARMER PRO ONBOARDING



1. Go to Marketplace > if it hasn't been added already search for Crop Health Imagery: Less than

- 10,000 ac and click Add
- 2. From a Field, click GIS tab
- 3. Under the **Boundary** tab:
 - Click Layer menu icon () > click Gear icon () > click Crop Health Imagery > check off Vegetation Index (Classified)
 - click the layer name > check off desired date: 2018-08-22
 - toggle **Transparency** if desired
- 4. to download CHI layer:
 - click dropdown beside imagery date
 - click **shp** or **tif** to download imagery

Note that CHI will start being collected for the field from the date you activate it in the Marketplace. The CHI feature does not collect historical imagery, so we highly recommend you activate this feature as soon as you log into the software to ensure you start collecting the imagery right away.



Online Crop Health Imagery FARMER PRO ONBOARDING

Trimble. Farm Field 2018 • Jump to field •	Fleet Analytics Data Tran	sfer Console						± ≜ ≊ ⊘ ∷
Menu «	Q FILTER BY O CLEAR FIL	Active Filter						
Field Profiler	Field Name	Client Name	Farm Name	Crop	Vegetation Index (latest field avg.)	Standard Deviation	Seed Date	Latest Imagery
	Site 36	Test Sites	Test Sites	Wheat	2	1.8		2018-10-17
🐣 🛛 Farm Map	Site 35	Test Sites	Test Sites	Wheat	86	8.6		2018-11-12
_	Terry_EldensQuarter_2017_wheat	Megan	Megan	Wheat	No Data			Coming Soon
Crop Planner	Site 22	Test Sites	Test Sites	Wheat	84	3.8		2018-11-24
5	Site 26	Test Sites	Test Sites	Wheat	107	1.9		2018-11-09
Vork Orders	Site 34	Test Sites	Test Sites	Wheat	92	10.4		2018-11-23
A care line	Terry_DadQuarter_2017_wheat	Megan	Megan	Wheat	No Data			Coming Soon
 Crop Health 	Site 13	Test Sites	Test Sites	Wheat	17	7.5	2018-05-05T11:48:20Z	2018-10-24
Equipment Activity	Site 15	Test Sites	Test Sites	Wheat	20	11.1	2018-05-04T11:59:46Z	2018-10-29
s= Equipment Activity	A5_subfield	Megan	Daniel	Corn	No Data			Coming Soon
Harvest Summary	A5_subfield	Megan	Manadatian Jackey Cit	- 4				Coming Soon
me nonce senting	Site 1	Test Sites	vegetation index Sit	ie 1		×	2018-05-04T00:00:00Z	2018-11-17
🖬 Farm Calendar	Site 3	Test Sites						2018-11-26
	Site 4	Test Sites	1					2018-11-22
	Terry Kilman Peas 2017	Megan	120 -					Coming Soon
Syncing turned off Last 24 hours			80 - 10 40 - 20 -	20	18-07-11			
			2018-02-06	2018-05-12 21 Period Vegetation Index	018-08-15 2018-11- CLOSE	18		

1. Go to menu Field > Crop Health

- 2. Sort information by the columns of interest
 - Standard Deviation will represent the variability of the field
 - Sort that column as decrescent to identify fields that have more variability
- 3. Click on the Vegetation Index Column of the field of interest to access the chart
- 4. Navigate through the bell shape to access the dates correspondent to the Vegetation Index average of the fields showed in the chart



Mobile Crop Health Imagery FARMER PRO ONBOARDING



1. Tap into the **desired field** in the mobile app

- 2. Tap the Map Expand button
- 3. Tap the Layers button (*)
 - Tap the **Imagery** tab
 - Tap the desired **imagery date**
 - Tap Save
- 4. Tap **imagery type** menu button (🌣)
 - Select Vegetation Index (Classified)
- 5. Use the Arrows on top to scroll to previous or next days

Note that CHI layers can be used in other areas of the mobile app like Scouting, to assist in identifying areas of concern.





Scouting



Online Scouting

	eld Fleet Analytics Data Ti	ransfer Console					📥 부	🤍 🗰 💼		
018 🗸 🛛 Melvin's 🗸								Print		
enu 🔨	OVERVIEW OVERVIEW	FIELD MAP								
Back										
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Overview	2010 Held Manager						- N/			
	Field Details # 723653									
GIS	Field Name	Melvin's		ADS Field ID	723653	FSA #				
Northor	Legal			# Acres	148.06	Irrigated	No			
veather	Crop	Alfalfa		Variety		Seeded Date				
Nork Orders	Target Yield			Actual Yield		Harvest Date				
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quipment Activity										
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1. From a fields Overview screen, scroll to the Field Scouting/Product Recommendations section >

- click the link on the far right called Field Scouter/Product Rec.
- 2. Scouting Date: Defaults to current day. Click **Calendar** to change
- 3. Enter Crop Stage and Crop Condition (Required)
- 4. Click Get Weather to pull weather data from scouting date
- 5. Enter applicable observations for:
 - Plant/Seed, Soil, Roots, Crop Nutrition, Weed Info, Insects, Diseases, Nematodes
- 6. Upload images under the Photo section
- 7. Enter product recommendation details, if applicable.
- 8. At the bottom, click Save, Print or Delete to finish.

For existing scouting reports, the buttons below do the following:

- (🔊) Preview the Scouting report
- (≥) Edit the Scouting report
- (
 ^[]) Product application report. Only active if recommendations are made
- (¹) Download a PDF of the Scouting report



Trimble

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

Mobile Scouting FARMER PRO ONBOARDING







1. In your **Trimble Mobile App**, tap into the desired **field** > tap on the **Field Scout** tile

- 2. Tap on the (+) symbol to add a new report
- 3. Enter required information of Crop Stage and Crop Condition
- 4. You can track the **walking path** by tapping the path symbol () in the mapping area at the beginning of the **scouting event**
- 5. Enter applicable information for that scouting event into the additional tiles
 - a. Plant, Soil, Roots, Weeds, Insects, Diseases, Nematodes, Key Dates
- 6. Weather information from that day can be viewed in the upper left, and will be saved with that scouting event
- 7. Under **Photos**, tap the **Camera** icon to take a **live** Photo or **upload** one from your mobile device

Note that walking paths will show up on the PDF version of the scouting report.



Mobile Scouting (cont.)



0 12	🖻 🖹 😤 📶 100% 🖬 2:14 PM
< Product App Recomm	nendation
Melvin's Alfalfa Not Seeded	148.06 ac 2018
Sug- gested Nov 02	Expiry Fri Date Nov 02
Crop Stage	Acres
Application	Applicator
Comments	
Products	jî +



1. Tap the (+) symbol beside **Recommendations** to add product recommendation details to the

scouting event

- Fill recommendation details
- Add product by click the (+) beside **Products**
 - Search for desired product > tap product > confirmation or edit product details > tap save to add it to the recommendation
- Tap save
- 2. Click the (+) symbol in the mapping area to drop a **benchmark** point over an area of concern > enter benchmark **title** and **description** > tap **checkmark** to save benchmark > repeat as needed

3. Tap Save

After syncing your mobile device, you would then be able to email out a PDF of this scouting report directly from your mobile device.

1. Go back into the Field > field scout > tap on the Scouting event > tap the Pencil icon > choose your prefered email option > enter details > tap send





Work Orders



Online | Work Orders FARMER PRO ONBOARDING

Parm Field 2018 • Jump to field •	Fleet Analytic	cs Data Trans	fer Console				± .	\$ <mark>51</mark> ? III
Menu «	All Planned	In Progress	Done					
📷 Field Profiler	Q FILTER BY	CLEAR FILTE	Active Filter None					+ ADD
A F W	Field		Planned Date	 Operation 	v Name	~ Area	✓ Status	~
🕉 Farm Map	Ochsner E		02/06/2019	Other	scouting	150.79ac	Planned	1 ^
Crop Planner	13		02/06/2019	Other	scouting	65.21ac	Planned	1
	14		02/06/2019	Other	scouting	36.34ac	Planned	1
🖭 Work Orders	west 7		02/06/2019	Other	scouting	63.99ac	Planned	1
-	Ochsner E 1 - Corn		02/06/2019	Other	scouting	100ac	Planned	1
Equipment Activity	14		01/23/2019	Other	Scouting	36.34ac	Planned	:
😹 Harvest Summarv	west 7		01/23/2019	Other	Scouting	63.99ac	Planned	:
	Ochsner E		01/23/2019	Other	Scouting	150.79ac	Planned	1
🗟 Farm Calendar	13		01/23/2019	Other	Scouting	65.21ac	Planned	1
	East Field		11/08/2018	Spraying	pre spray	64.3ac	Done	
	13		06/08/2018	Other	Scouting	65.21ac	Done (06/08/2018 13:18:	14)
	Ochsner E		06/08/2018	Other	Scouting	150.79ac	On Hold	:
	Ochsner E		05/07/2018	Other	ttt	150.79ac	Done (05/10/2018 14:15:	52)
	Ochsner E		05/07/2018	Spraying	test	150.79ac	Planned	1
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oug		02/22/2019 8:00:00	АМ	Operation * Choose	Ŧ			
igned		500 Brent Chenier : Chenier Far 7.28 ac	ms	Crop * 2018 Unassigned of	Manage Operation Types crop (14)	Budgeted	Time 0.00 hrs	
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				Area	36.34 ac			
				Comments			CANCEL	. S/

1. Go to Marketplace > if it hasn't been added already search for Work Orders and click Add

- 2. Click **Fields** > click **Work Orders** to access the Work Order section
- 3. You can review **Planned**, **In Progress** and **Completed** Work Orders by clicking on each tab at the top
- 4. To add new **Work Orders**, click the **+Add** button in the top right corner
 - a. Check off the fields you want included
 - b. Under the **Summary Total** column, you will see the selected fields listed.
 - c. Fill out the required fields in the General tab
 - i. For **Crop**, use the **Plus** symbol to add a new Crop if it does not already exist in the dropdown.
- 5. Click Equipment tab to add equipment to the Work Order
 - a. click **+Add**
 - b. Select Implement and/or Vehicle
 - c. Check off desired Equipment
 - d. click Ok
 - e. Once added, you can click on the piece of equipment to add a **Budget Time** and **Cost/hr**

Note: you are able to make customized selections for each field by selecting the specific field from the left column, i.e. each field could have a different operator assigned. Otherwise, the work order will be the same for all fields.



Online | Work Orders (cont.) FARMER PRO ONBOARDING

FIELDS	Planned Name			
10 Brent Chenier : Farm 1 51.28 aC 02/22/2019 8:00:00 AM	General Materials (0) Equipment (1) Operators (1) OPERATORS	Restrictions		+ ADD
	Name	Budgeted Time	Cost	
	Doug Chaffer	0.00 hrs	\$0.00 / hr	〕

FIELDS	Planned Name							Restrictions		×
10 Brent Chenier : Farm 1 51.28 ac 02/22/2019 8:00:00 AM	General Materials (0)	Equipment (1) Operators (1)	Restrictions					Minimum Temperature	10	°C
	Minimum Temp.	Maximum Temp.	Minimum Humidity	Maximum Humidity	Minimum Soil Temp.	Maximum Soil Temp.	Maximum Wind Speed	Maximum Temperature	35	°C
	10 °C	35 °C	%	%	°C	°C	15 kph	Minimum Humidity		%
								Maximum Humidity		%
								Minimum Soil Temperature		°C
								Maximum Soil Temperature		°C
								Maximum Wind Speed	15	kph
								Crop Stage		
								Comments		
										li
									CANCEL	SAVE
										JAVL

1. Click **Operator** tab to add operator to the Work Order

- a. click **+Add**
- **b.** Check off the Operator. Note that the Operator must be setup ahead of time in the People section of the software.
- c. click **Ok**
- d. Once added, you can click on the Operator to add a **Budget Time** and **Cost/hr**
- 2. Click **Restrictions** tab to add restrictions to the Work Order
 - a. click on any **unit of measurement** to open the restrictions window
 - b. Enter any applicable **restrictions**
 - c. click Save



Online | Work Orders (VRA) FARMER PRO ONBOARDING



1. Click Material tab to add Materials to the Work Order

- a. click **+Add**
- **b.** Select the desired material type
 - i. If the material does not existing in your material list yet, use the **+Create New** button at the bottom of the **Select Materials** pop out window.
- c. click Add
- d. fill in the remaining details of the product application
- e. click **OK**
- 2. For VRA Fertilizer applications, complete the workflow above in addition to the steps below. Note that you must have uploaded or created a zone file in the software to use this feature.
 - a. When entering the fertilizer application details, select Variable Rate
 - b. under the new Variable Rates section, choose the desired Zone set
 - c. Manually enter the **Rate** details for each zone
 - d. click **OK**
- 3. Click Save to complete the Work Order



Mobile Work Orders FARMER PRO ONBOARDING



1. Go to Marketplace > if it hasn't been added already search for Work Orders and click Add

- 2. From the Farm level, tap the Work Orders tile
- 3. Tap + to add a new Work Order
 - a. Tap + Add Fields to include 1 or more fields to this work order
 - b. Task Name: Herbicide Spray
 - c. Operation: Spraying
 - d. Planned/Expiry date: 06/05/2018 06/06/2018
 - e. Crop Stage: Stage 6
 - f. (Optional) **Weather Restriction** (provides an restriction warning for the Operator when they open the Work Order)
 - i. Wind Speed: 6 MPH
 - g. (Optional) Add Vehicle/Implements, Materials and Operators
 - h. click Save
- 4. To start a task, tap **Work Orders** > tap a **task** > tap **Start**
 - a. (Optional) tap **Pause** and **Resume** when needed
- 5. Tap **Done** when task is complete



Mobile | Work Orders (VRA) FARMER PRO ONBOARDING

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Fertilizer *	<u>11</u>		Rat
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		Dry	
Area Applie	ed	Cost/Unit	
108.16	ac	\$ 350 T	
○ Flat	Rate	Variable Rate	
Rate		Quantity Used	
257.57	lb/ac	13.94 T	
	In	-Season Zones 🗸 🗸	-
Zone	Rate	Units 🗸	C
1	100	lb/ac	
2	200	lb/ac	
3	300	lb/ac	Go
4	400	lb/ac	
	Tap I	nere to fill entire screen	
	2		



When you add a Fertilizer to a Work Order there is now a "Variable Rate" option. Selecting this

option allows you to select a Zone Map and enter a rate for each zone. These VRA maps are used in Precision IQ when the operator selects the Work-Order. Please note that you must have a Zone file uploaded for the field to use this feature and VRA Fert work orders can only be done 1 field at a time.

Adding VRA Fertilizer to a Work Order:

- 1. Select field
- 2. Operation: Spreading
- 3. Tap the Materials icon (
- 4. Tap Plus symbol beside Fertilizer
- 5. Tap Fertilizer Single Product
- 6. Fill in applicable details for Fertilizer application. Required items are Fertilizer, Pass# and Tank #
- 7. Select Variable Rate
- 8. Select appropriate **Zone** from **dropdown**
- 9. Tap Rate column for each zone and manually enter Rate and Unit
- 10.Tap Save icon in top right

11. Fill out any additional details about the Work Order and tap **Save** to complete **Work Order**.



Mobile | Work Orders (Guidance Lines)

FARMER PRO ONBOARDING



Using **Guidance Lines** in a Work Order:

- 1. While setting up your Work Order, tap the Guidance Line icon (D)
- 2. Tap the **Plus** symbol in the top right corner
- 3. Tap the **Field** you wish to add the **guidance line** to
- 4. Check off the appropriate guidance line
- 5. Tap Save
- 6. Tap **back** button in top left
- 7. Continue filling out the rest of the Work Order
- 8. Tap **Save** in the top right corner

When you create a Work Order there is now a Guidance Lines tab where you can select the guidance line(s) that will be included with the work order. When the work order is loaded in Precision IQ the operator will only see the lines that are included in the work-order.





Other Features



Online Time Tracker FARMER PRO ONBOARDING

		Phone System Access Time Tr	acker Equipment Operator		
		Can Access System			
		Email * Brent_Chenier@trimble.com			
U	PDATE PHOTO	Web and Mobile	they have access		
First Name *	Brent	 Financial Access Organization Administr 	ator		
Last Name	Chenier	 Operator Manager Mobile Only 			
Job Title		Time Tracker only Limited web access, no mobile			
Email	Brent_Chenier@trimble.com	Mobile Security			
					+ ADD PERMISSION
		Resource	Year	Permission	
		Time Tracker Admin	(All Years)	Edit	圓
		Time Tracker	(All Years)	Edit	Ê

C Time Tracker		🖪 👆 🖊
Search GO!	Nov 01, 2018 🗊 Nov 30, 2018 🗊	+ Timesheets ▼
Brent Chenier	Nov 01, 2018 - Nov 30, 2018	
Date		Hours
November 12, 2018		8.00
November 13, 2018		9.00
November 14, 2018		361.81
November 30, 2018		0.01
Total Period		378.81

1. To purchase Time Tracker through your Trimble Ag Software

- click Marketplace > click ADD \$349/12 Month to add it to your shopping cart > click
 Shopping Cart and follow instructions
- For Time Tracker Admin, click People > Systems Access tab > + Add Permissions under mobile security
 - Add Time Tracker Admin and Time Tracker as resources
 - i. Year: All
 - ii. Permission: Edit
- 3. For **Time Tracker** users, click **People > Systems Access** tab
 - Select **Time Tracker Only**, for those who will only use the mobile app for time tracker
 - click People > Systems Access tab > + Add Permissions under mobile security
 - i. Add **Time Tracker** as resources
 - 1. Year: All
 - 2. Permission: Edit
 - click Time Tracker tab > click +Add
 - i. Add **Start** and **End** date of employment
 - ii. Add a Wage



Online | Time Tracker FARMER PRO ONBOARDING

Comparison of the second	Fleet Analytics Data Transfer	Console			1 📭 📀 🏢
Menu <<	Search GOI	Nov 01, 2018	節 Nov 30, 2018 節		File Contents
Profile	Time Tracker	Nov 01, 2018	8 - Nov 30, 2018		
A Farms B Equipment Inputs & Materials Time Trace S S	Name Brent Chenier David Fakename Stker - Add Details Brent Chenier Start 2/28/2019 10:57:42 AM Stop	×	Description Total Period Time Tracker - User Map & Details Time Tracker -	Total Hours Worker 361.81 IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	Hours 378.81 15.51 394.32
Client: Brent Chenier Year: 2019		Tim	e Tracker		
undefined		Dec 30, 2017 - Feb 28,	2019		
Date			Hours	Wage	Payable
March 28, 2018			0.01	20.00	0.11
November 12, 2018			7.50	20.00	150.00
November 13, 2018			8.00	20.00	160.00
November 14, 2018			5.01	20.00	100.19
Total Period			20.51		410.29

1. To review/edit/print reports for Time Tracker entries online, click Farm > Time Tracker

- 2. Use the **Calendars** at the top to identify a **date range**
- 3. The default table will show a list of all **Farm Contacts** and their **total hours** documented.
- 4. Click the blue (+) in the top right to manually enter a time tracker entry for a Farm Contact
- 5. Use the dropdown to switch between **Timesheet** and **Payables**
 - **Timesheet** Includes: Name, Contact Description, Total Hours
 - **Payables** include: the above items plus Wages and Payables
- 6. Click on a Farm Contact to view a summary of their hours. You can use the same Timesheet and Payable dropdown for different views.
- 7. If you **click** on a **specific date**, a pop out window will show the clock **in** and **out** times as well as a **map** showing the **locations** of each.
- 8. Time Tracker **reports** can be Downloaded in **PDF**(<u>)</u>, **CSV** () or **Printed** ().



Mobile | Time Tracker FARMER PRO ONBOARDING



1. In the Mobile app, tap the Time Tracker tile

- Tap **Clock In** to start time tracker
- Tap Take A Break to pause time tracker for things like lunch breaks
 - i. Tap **Resume** to continue time tracker
- Tap **Clock Out** to stop time tracker for that day.
- Tap the **Calendar** icon in the top right corner (



Post-season Reports and ROI Analysis





Online | Reports FARMER PRO ONBOARDING



1. Click Analytics > Reports

- 2. Click each **category** to access specific reports
- 3. Sample Report:
 - click Field Manager Reports
 - i. click Print Field Manager
 - ii. check off
 - 1. Show Costs: Yes
 - 2. Seed Application
 - 3. Fertilizer Application
 - 4. Product Application
 - 5. Expense Breakdown
 - iii. check off Fields you want the report run on
 - iv. click Generate Report
- 4. 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 Field > Overview, for the desired field.
- 5. Click on the **clipboard** icon (^{**C**}) next to the application



Online | Harvest Data / Profit Maps

FARMER PRO ONBOARDING

Strimble. Company F	arm Field	Fleet Analytics	Workbench Data Transfe	r Console								2	L 🔎 🕜 III			
Demo Farms + 2017 + Jum Menu «	p to field +												Print			
Field Profiler	2017 Harves	st Summarizer								Search Field	is C	rop - All 🔻	Group By Farm(s) 🔻			
🐣 Farm Map	Field ID	Field Name	Crop - Desc Variety 5	eeded Acres Ha	arvest Date		Acres Actua	l Yield	Total Yield	Co	omments	>> Sale Pric	SAVE CHANGES			
🕼 Crop Planner	893728	Adel Pork - Corn	1	00				T								
Work Orders	893729	Anderson's	Strimble. Company	Farm Field	Fleet	Analytics	Workbench	Data Transfer	Console							📩 🏓 💡
	893730	B.K. Home SO.	Demo Farms 👻 2017 👻 1	I3 -												
💱 Equipment Activity	893731	B.K.& Merical	Menu «													Harvest I
Harvest Summary	893732	Blake's		Harvest Sum	mary											nuivesti
//// Harrese Sammary	893733	Boyer	n Back	Yield Data	-							Yield Map				i
🖬 Farm Calendar	893734	Brodericks	Overview	Harvest Date	10	/25/2017	Ē	Acres	65.35							
_	802725	Bruce Kent		Actual Yield	69.3	7 bu/ac	•	Total Yield	4533.40	bu 🔻						
Farm Nutrient Manager	000706	Brittenkeurch	🗰 GIS	Sale Price	3.45			% Moisture				È			100 C	
	893730	Butterbaugn	Neather	comments								2				
	893737	Callan		SAVE	TELD MAP PE	PROFIT	MAP PDF	Fi	eld Area: 65.21	ac Target Y	' ield: 65 bu/ac		1.00	<u></u>		
	893738	Carter's	Work Orders	Filenar	ne				Тур	e Date			- 1	5 - C - J	1 AA	
	893739	Charlie's	9= Faulament Activity	Yield-De	emo Farms-Ch	enier Farms-13-	2017.pdf		Yie	d 4/19/2	2018 8:34 AM			<u> </u>	C	
	893740	Chew	e Equipment Activity	Profit-D	emo Farms-Ch	ienier Farms-13	-2017.pdf		Pro	fit 10/31	/2018 8:42 AM		- K.	. (a		
	893741	Connollys	📇 Lab Data	DELETE								1st Ave		1st: Ave	b bind	· · · · · · · · · · · · · · · · · · ·
Syncing turned off Last 24 hours				Yield By Zone	Zone Sampl	le 1									© 2018 Micr	osoft Corporation © 2018 HERE <u>Terms (</u>
			Soil Analyzer	Zone	Acres	СРІ	Tar. Yield	Yield	Cost	CPUP	Profit	Yield (bu/ac)				
			🖳 Field Programmer	1	1.49	88.07	65.00	76.81	\$156.71	\$2.04	\$108.28	22.6 - 55.7	55.7 - 66.2	66.2 - 73.3	73.3 - 78.7	78.7 - 83.9
				2	3.27	91.73	65.00	82.95	\$156.71	\$1.89	\$129.47	83.9 - 88.5	88.5 - 93.4	93.4 - 99.4	99.4 - 107.6	107.6 - 134.8
			📰 Planner / Budget	3	5.35	96.53	65.00	92.57	\$156.71	\$1.69	\$162.65	Source	Location		Amount	Time
			Hanvest Data	5	33.93	100.78	65.00	77.43	\$156.71	\$2.02	\$110.42					0.00
			Thervest Data	- 6	13.53	103.10	65.00	86.12	\$156.71	\$1.82	\$140.42					
					65.36 ac	99.94	65.00 bu/ac	82.10 bu/ac	\$156.71/ac	\$1.92	\$126.55/ac					
															2	
			Syncing turned off													
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epz —																
			Field Z	ones												
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			Zone Na	me: Zone	Samp	le 1				Nut	rient Zo	one: 🔍	No 🖲 Ye	25		
ZONES	- 🔒 🏹	3 🍌 🕤	<u>()</u>			_									SAV	=
ZUNES			Zone II) Color		Zonel	Name					lcres	Target Yi	eld	30 101	-
			1	#FF00	000	1					1	.49	65			

- 1. Click Field > Harvest Summarizer > enter harvest data for all fields applicable > Click Save
- 2. (Optional) Setup for **Zone Analysis**

 - From Field Overview, click GIS tab > click Zone tab > click Edit icon (≥) for desired zones > Nutrient Zone = Yes > click Save
- 3. From Field Overview, click Harvest Data tab
 - Yield Stats:
 - i. Enter Harvest Date: 10/25/2017
 - ii. Acres: 65.35
 - iii. Actual Yield: 69.37 bu/ac
 - iv. Total Yield: 4533.40
 - v. Sale Price: \$3.75
 - Yield Map:
 - i. Choose Fields: select .shp, shx and dbf files for yield > **Open**
 - ii. Choose Yield attribute from dropdown (name may vary): Yld_Vol_Dr
 - iii. click Process
 - click <u>Yield Map PDF</u> and <u>Profit Map PDF</u> buttons to generate the respective reports > click
 Report Hyperlinks once ready

Note that Cleaned Yield Calibrated mapping layer will automatically flow into this section once the Harvest Task is verified.



Online | Proof of Placement Reports

STrimble. Farm Fi	eld F	leet Analytic	s Data Transfer Console					Upgrade	± .	? ∷
2019 👻 Brian Field 👻										
Menu «	¢	Brian Fi	eld k: Stark Farm		Crop: Corn					0
🕇 Back		44.4 Acres	S		Planted: No plante	d date				
🛱 Field Manager		Activities Profit	tability Seeding Fertility Che	emicals Harvest						
🚺 GIS		Completed <i>i</i>	Activities							
🛎 Weather			Activity		Date 🔺	Days After Planting	Area	Cost		
🗄 Equipment Activity		~] ,	Fertilize Spreading		02/07/2019		48.46 ac	\$120.87	View Summary	:
👗 Lab Data		500b	- CORN PLANTING	5-13-16 - Done	2	Start 05/13/2016 11:5	3 AM		/iew Report Edit Delete	
⊙ More		MAIN ST Brent Ch Planting	ATION lenier - Core			End 05/13/2016 1:0	0 PM 59 ha			
Syncing turned off Last 24 hours				Farm: Field Seeded Date Crop Variety	MAIN STATION: 500 05/12/2016 8:00 PM Corn DEKALB DKC43-48RI	B				
		Comme	ents:				- 1			
		cl	Variate	llastanas	Actual Data					
		Corp	DEKALB DKC43-48RIB	2.69	Actual Rate	224.42.k5 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

- 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



Coverage Maps and Guidance Lines





Online | GIS tools FARMER PRO ONBOARDING



□ Vehicles
> Yield

- Zoom to Layer

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





Online | Map Layers FARMER PRO ONBOARDING



1. When at the Field level, click the GIS tab on the left side

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



Online | Guidance Lines FARMER PRO ONBOARDING



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

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

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



Mobile Map Layers FARMER PRO ONBOARDING



- 1. You can turn on various mapping layers from any of the mapping windows, ie. Field page, Scouting page, etc.
- 2. Tap the **Expand** button [2]) > find and tap on the desired layer > tap **save**
- 3. Some surface layers have multiple layer options. Tap the 3 buttons () beside the legend to view other related layers.
- For CHI, tap the left and right (< Crop Health Imagery 2018-10-14 17 of 21
) arrows to cycle between different imagery dates.
- 5. Tap the **Locate** button () to zoom to your location
- 6. Tap the **Plus** symbol (+) to drop a **Benchmark** point
- 7. Tap the **Background layer** button (🔎)to choose a different background image
- 8. Tap the **Path** button (:::)to log a walked or driven path.
- - Tap on the desired layer > tap **Save** to turn on a different layer


0.8

Desktop Sync



Online | Sync from Desktop: Resources

FARMER PRO 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 PRO ONBOARDING

	Advanced Options		📋 Jobs 🔵 Map 🐑 Weather 👜 Invoices 🐼 Online									
	Sync Direction Upload Only Conflicts Use Desktop (local) Sync retired resources Sync boundaries Sync boundaries Skip confirming clients/fams/fields/crops Skip confirming supplies/equipment/people V Upload task resources only					View Job Nar	ne Dat 5/1 Add to Print Export. Merge Create Delete Propert	te Client 7/2018 Trimble Client - upload queue	Fam Trimble Fam	Field Year n - D Field 14 - Desktop 2018 n - D Field 14 - Desktop 2018		
] Jobs 🔵 Map 🕯	😓 Weather 🛛 連	Invoices 🔌 Online	- User Login	E at M		v - 11			1			
	rin	ble .		Organization: ME	T Training	ther Accounts		Change C)rg	Trimble Ag Software Online		
Online Sync												
Status	Job Name Harvest	Date 9/30/2018	Client Trimble Client	Farm Trimble Farm -	Field	14 - Desktop	Year 2018	Sa Op	tions			
1 Pending sync	Planting	Linker : Clients Desktop Resources Timble Client - Desktop -> < Upload >	Online Resources < Upload > CSU Demo Client FARMER BOB JD Client VOSEPH KOEHL MILLERS Neare Customer1 NCDA Paten Family Famas		D Field	14 - Desktop	2018	Synchron	ize to Web ftware On	Synchronizing operation types Downloaded: 0 Uploaded: 2 Synchronization successful.	Sa	ive Log
			<- Link -> Create>							Class window when finished		4

1. Open the Desktop Software

🗐 Jobs

- Click on the **Online** Tab
- Enter the email address for your Online Account
- Select the Organization with which you want to sync

✓ OK X Cancel

- 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



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