

# 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
	Zones	Create manual	
	Prescriptions	management Zones, Import Existing Zones, Adding Applications, Blender – Fix or VRA	Farmer Pro Web
	resemptions	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 Report, Reports and	Farmer Pro Web
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	X	Х
Farm Setup	Sync desktop data to cloud		Х	x	Х
Farm Setup         Farm Operations	Map landmarks with mobile app (points, lines, and boundaries)		Х	x	Х
	Manage guidance lines		Х	X	Х
	Includes AutoSync for syncing guidance lines and other data to all Trimble connected devices <sup>1</sup>		х	x	х
Farm Operations	Import/export or use third-party APIs to get data to/from precision farming displays		x	x	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		x	x	X
	Print a 'Proof of Placement' report that includes details of each job including a coverage map		х	x	Х
Farm Records	Enter detailed field records for seed, spray, fertilizer, harvest and other applications			x	Х
	Includes desktop farm management software with basic accounting			x	Х
	Product       Sync desktop data to cloud       X         Map landmarks with mobile app (points, lines, and boundaries)       X         Manage guidance lines       X         Includes AutoSync for syncing guidance lines and other data to all       X         Includes AutoSync for syncing guidance lines and other data to all       X         Import/export or use third-party APIs to get data to/from precision       X         farming displays       X         Track fleet locations, status and utilization       X         Create and assign Work Orders and monitor the status of each       X         Print a 'Proof of Placement' report that includes details of each job       X         Includes desktop farm management software with basic       X         accounting       X         View basic weather with option for upgrading to Ag Premium       X         View basic weather with option maps       X         Grid or zone soil sampling workflow including mobile app       X         mavigation       X         Track bin inventory       X         Manage grain contracts and market position statements       X		x	Х	
				x	Х
VRA Tools	Create simple VRA prescription maps				Х
					х
	Track bin inventory				Х
Grain Marketing	Manage grain contracts and market position statements				X
In-Season Monitoring	View Crop Health Imagery for each field <sup>3</sup>				Х
	Log scouting data and create recommendations				Х

#### **Product comparison**

<sup>1</sup> 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.

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

<sup>3</sup> 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.



	mble
Email address	
Password	
Sig	gn in
Stay 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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	Privacy   Terms © Copyright 2018, Trimble Inc.		
		Reports Contacts Settings	
		Fleet Weather Construction Version 2.8.2	

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

		<b>Trimble</b> .	Farm	Field	Fleet	Analytics	Data Transfer	Consol
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		U.S.			•			
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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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Pressure		U.S.			
Image Upload		Always			
GPS Accuracy		Medium			
Refresh Interval		5 minute(s)			
Soil Sampling					
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	1		ć	

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

	Analytics Data Transfer	Console				± 🍂	? III		
018 ▼ Jump to field ▼									
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Home	tetplace								
Profile							- 11		
Farms		5%	5				- 11		
quipment	PRO+						- 11		
nputs & Materials The Far serves a	Pro Plus rmer Pro Plus subscription bundle as a total farm solution and es:Farmer Basic Read More	Additional Vehicle Connection (Office Sy Transfer field task data wirelessly Report real-time fleet positions and Track and manage Fleet Read More	Crop Health Imagery: Less than 10,000 ac Crop Health Imagery is powered by PurePixeI™, providing reliable, cloud-free, calibrated satellite Read More		Mork Orders d Mobile user login for Pro and Farmer Pro Plus MARKETPLACE MAI	RKETPLACE CI	JRRENT LICENSES	SHOPPING CART BILLING	
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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.
- To Resize widgets, hover your mouse over the widget > left click and hold the grey triangle ( // ) 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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	🐘 Storage 🎴 John Farmer			Owner							ľ	Ŵ			
	📣 Earr	n Weather		2	Robert Farmer 😐		Operations Mana	ger		303-555-1213		bob@email	.com	ľ	创
	- run	in weather		2	Johnny Greenthumb		Agronomist			408-555-0078		johnny@em	ail.com	ľ	ŵ
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- 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 Iump to field -	Field <b>F</b> l	<b>eet</b> Ana	lytics	Data Transfer				<b>1</b>	<b>)</b> ?	
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Alerts		Collins, Mark		mcollins		CSU Staff	Active			
		Demo for FWIM	, CF	CDemo for FWIM5566			Active			
Operators		Demydenko, Se	rgii	Demydenko		Trainee	Active			
Utilization		Hodson, Kevin		124		CSU Staff new operator Test Trainee	Active			
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	Em	ail		FING				I		

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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#### 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

•	Unassigned	Display Device
Display Device	Add 🗘	
•	Unassigned	Telematics Device
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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- 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

		Fleet Analytics Data	a Transfer						🔔 🌲	? III 🛛
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12	Utilization	O Sugarcane Harvester								÷
	Canzadori	O Tractor					This	e Filter /eek: Alert Type: All		
		Tractor - Large Row Crop	q				Тур		Detail	Vehicle Seaworth JD 7260
			•			Links	10			Seaworth JD 7260
		🦾 APMD #1 🤷		no current status	0.00	Unknov	vn 🖸			Seaworth JD 7260 Seaworth JD 8320
		scsu jd	7 days ago	no current status	5,621.60	2(7 day				Seaworth JD 8320
			7 0033 080	no current status	5,621.00		Ū			Seaworth JD 8320
		7820				In 2	10 10			Seaworth JD 8320 Seaworth JD 7260
	-	CSLUD	9 hours ago	Off	2,947.00	1112	(L)		Geofence:	NH T8.435
	~ «		E	÷				ARDEC	Geofence:	NH T8.435
e Row Crop 🛛 All	Date: Start ti		Moving B Speeding Working	D Off	71.90	700(3 d	ays ago) 😳	CSU's Farming		CSU JD 8295R
MD #1	11/01/2018 🛗 8:00	AM •	Cushing Stopped Delayed			In our				_
PMD #1			Off No GPS	<ul> <li>Working</li> </ul>	0.00	in swan	son south			
5U JD 7820	Total Vehicle hours Working Moving	Stopped Machine States	©Off ●No GPS		0.00	in swan	son south			
		Stopped Machine States	©Off ●No GPS	Working	0.00	in swan	son south			
5U JD 7820	Vehicle hours Working Moving	Stopped Machine States	©Off ●No GPS				_	Groups	A	vailability All
5U JD 7820 5U JD 8295R H T8.435	Vehicle hours Working Moving		©Off ●No GPS		Operator Name	Login	son south Job Title	Groups		All
5U JD 7820 5U JD 8295R	Vehicle hours Working Moving Seaworth JD 7260R 24.00 3.32 0.00 Seaworth JD 8320R	0.00	©Off ●No GPS		<b>Operator Name</b> Byard, Gwen	<b>Login</b> GByard5054	_		Ac	All T
5U JD 7820 5U JD 8295R H T8.435	Vehicle     hours     Working     Moving       Seaworth JD 7260R     24.00     3.32     0.00       Seaworth JD 8320R     3.79     0.71     0.00	0.00	©Off ●No GPS		Operator Name	Login	_	Groups CSU Staff	Ac	All
SU JD 7820 SU JD 8295R H T8.435 saworth JD 7260R	Vehicle hours Working Moving Seaworth JD 7260R 24.00 3.32 0.00 Seaworth JD 8320R	0.00	©Off ●No GPS		<b>Operator Name</b> Byard, Gwen Collins, Mark	Login GByard5054 mcollins	_		Ac	All Trive
SU JD 7820 SU JD 8295R H T8.435 waworth JD 7260R waworth JD 8235	Vehicle     hours     Working     Moving       Seaworth JD 7260R     24.00     3.32     0.00       Seaworth JD 8320R     3.79     0.71     0.00	0.00	©Off ●No GPS		Operator Name Byard, Gwen Collins, Mark Demo for FWIM, CF	Login       GByard5054       mcollins       CDemo for FWIM5566	_	CSU Staff	Ac	All   tive tive tive
5U JD 7820 5U JD 8295R H T8.435 Raworth JD 7260R Raworth JD 8235	Vehicle     hours     Working     Moving       Seaworth JD 7260R     24.00     3.32     0.00       Seaworth JD 8320R     3.79     0.71     0.00       Seaworth JD 8295R     0.00     0.00	0.00	©Off ●No GPS		Operator Name Byard, Gwen Collins, Mark Demo for FWIM, CF Demydenko, Sergii	Login       GByard5054       mcollins       CDemo for FWIM5566       Demydenko	_	CSU Staff CSU Staff Trainee CSU Staff new operator	Ac Ac Ac Ac	AII   trive trive trive trive trive trive
SU JD 7820	Vehicle         hours         Working         Moving           Seaworth JD 7260R         24.00         3.32         0.00           Seaworth JD 8320R         3.79         0.71         0.00           Seaworth JD 8295R         50.00         0.00         0.00	0.00			Operator Name Byard, Gwen Collins, Mark Demo for FWIM, CF	Login       GByard5054       mcollins       CDemo for FWIM5566	_	CSU Staff Trainee CSU Staff	Ac Ac Ac Ac	All   tive tive tive

#### 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 -	<b>Fleet</b> Analytics Data	Transfer				<b>⊥ ≬ 0</b> Ⅲ	
Menu «	Vehicle Name or Alert Name	Date Last Reported -	Last Known Status 🛭 🖯	Engine Hrs	Last Location		
🖧 Vehicles	Venicle List	Relative Time		Eligine His	Last Location	Manage Groups New Vehicle	
Alerts	O Combine					Delay Thresholds	
÷	C EMEA					Export Vehicles Configure Columns	
Operators	O Generic					÷	
L Utilization	• Sugarcane Harvester					Œ	
	O Tractor					Ð	
	Tractor - Large Row Crop	)				Œ	
	🚜 APMD #1		no current status	0.00	Unknown		
	🐇 CSU JD	7 days ago	no current status	5,621.60	2(7 days ago)		
	7820 CSU JD 8295R	8 hours ago	Off	2,947.00	Manage Vehicle	Group	×
	NH T8.435	an hour ago	Off	71.90		+	
	JD 7260R	12 minutes ago	Working	0.00			
Manage New Grou	<b>/ehicle Group</b>	<b>*</b>			Choose Choose Combine CSU EMEA Farm A Generic	▼	
Choose	•	۲ ۲			New Group Name Northeast Farm Sprayer Sugarcane Harves Test Tractor Tractor - Large Roy UK Testing Unassigned	ter w Crop	

#### 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

	<b>): Trimble</b> , Farm	Field F	leet Analytics Data Transfer				<b>⊥</b> ♠ ② Ⅲ
	2020 - Jump to field -						
	Menu	~~	Vehicle Name or Alert Name				
	Se Vehicles		Vehicle List Date Last Reported Relative Time	d - Last Known Status 🧿	Engine Hrs	Last Location	Manage Groups New Vehicle
	Alerts		• Combine				Delay Thresholds Export Vehicles
	Operators		• EMEA				Configure Columns
	🛓 Utilization		O Sugarcane Harvester				<u>⊕</u>
	Cunzador		<b>○</b> Tractor				Œ
			Caractor - Large Row Crop				<u>⊕</u>
			🦛 APMD #1 🛕	no current status	0.00	Unknown	
		38598899 (DCM-	Display Device Manufacturer Last Location 🗗 FarmStream ( 4924511161 (FmX) John Deere In swanson south Off	no current status	5,621.60 2,947.00	2(7 days ago)	Device 5121539957 John Deere pivot(6 days ago) Off
History Sensors	Alerts Files			Legend 0 Off	71.90	Seaworth JD B320R Tractor - Large Row Crop III All Crop Allerts	5231592310 (FmX) (DCM-300) Files
1/01/2018				Working Stopped Off Pending	0.00	Engine Hours 1,772.30 h 11/01/2018	<ul> <li>↓ 11/01/2018     <li>↓ 0     <li>EXPO     </li> </li></li></ul>
2:00 PM	swanson south						Engine Oil Pressure for Nov 1, 2018 to Nov 1, 2018 Value Value
5how lines connecting previous	CAN P	H				(ed.)	390 360
locations Show field boundaries Color lines by machine state	C5 Sorrell St		726			Fuel Level 38.00 %	330
Color locations by machine state Include Alerts Show speeding	Borrel St R Z Z	12	E County Read/72	Vehicle Type Last Kno Tractor -       Seaworth JD     Fuel Level 8320R       Tractor -     Status       Crop	wn Telematics Display Manu Device Device John 5231592310 5121539957 (DCM-300) (FmX)	Deere Location C () pivot(6 days Off 2 ago)	270
xport kport location history for this vehicle on ne selected date.	aurity head 1		Bobs play f	History Showing files on or before this date: Fro	Sensors Alerts m Vehicle To Vehicle	Files	2018 10246 AM NOVY, 2018 11:01 AM NOVY, 2018 11:31 AM NOVY, 2018 11:46 AM
EXPORT -	E		PinedarRitot		me Size Status ( 339 erators.zip Bytes Sent f	Date	

- 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

		Strimble. Farm	Field Flee	et Analytics	Data Transfer							<b>≜ ♠ ?</b> ‼	
		2020 - Jump to field -											
		Menu	« c	€ FILTER BY 👻	CLEAR FILTER	Active This We	Filter ek; Alert Type: All					🕫 CONFIGURE	1
		🆧 Vehicles		Combine	0	All Type	Alert Name	Detail	١	/ehicle	Date/Time		
		Alerts		CSU		All 🛈	Seaworth's Farming		s	eaworth JD 726	11/02/2018 9:31:23 AM	<u>ې</u>	
		A Marca		D EMEA		273	Seaworth's Farming		S	eaworth JD 726	11/02/2018 9:30:19 AM	Ŷ	
		Operators		Farm A		203	Seaworth's Farming		s	eaworth JD 726	11/01/2018 7:00:01 PM	۷	
		🛓 Utilization		Generic		10	Seaworth's Farming		S	eaworth JD 726	10/30/2018 7:00:02 PM	<b>Q</b>	
				O Northeast Farn		- <b>R</b> >	ARDEC	Geofence:	•	NH T8.435	10/30/2018 4:31:40 PM	Ŷ	
				Sprayer	D	All	ARDEC	Geofence:	P	NH T8.435	10/30/2018 2:51:28 PM	Ŷ	
				• Sugarcane Harv		Q	CSU's Farming			SU JD 8295R	10/30/2018 9:16:55 AM	Ŷ	
						All (1)	CSU's Farming			SU JD 8295R	10/30/2018 9:15:38 AM		
/pe	Name			Vehicle		Contac	ts		•	MANAGE 🔫	0/29/2018 9:05:59 AM	<u>۹</u>	
🕭 > Geofence		w's Farm		18 Vehicle	0.5	1 Cont			New Aler	t	)/29/2018 9:04:41 AM	Geofence	
•	Andre	w 5 Faith		To venicio	65	r cont	act		Geofence	es 🖑	)/28/2018 9:13:43 AM	Main Farm Geofence	
🐣 > Geofence	ARDEC			8 Vehicles	S	1 Cont	act		Contacts		0/28/2018 9:12:44 AM	↑ < < >> < < < < < < < < < < < < < < <	
🥵 Geofence	big pir	ney alert		1 Vehicle		1 Cont	act			<b>a</b>		Delete last point Cancel	
🕭 > Geofence	Alert Data			1 Vehicle		1 Cont	act			Ø ሰ		County Cond So	irst point to close th
	Name				-	- cont	_				-		
🕦 Curfew	New Alert			8 Vehi		• •		ype Last Known Large Status	n Telemat Device		lay Device Manufacturer 511161 John Deere		
🐎 Geofence	Alert Type			34 Vel Se	eawort Fue	l Level	Row Crop		5238598	899 (FmX			E
	Curfew 6			OF	×	Reported	1		(DCM-30	0)			
	Geofence      Machine Alert	•		The second se	actor - Large Row Crop		Histo	ory	Sensors	A	lerts Files		11
	<ul><li>Ignition 3</li><li>Rushing 3</li></ul>				_			Active Filter				Leaflet   Copyright @ ALK Technologies Inc., @ HERE, Imagery @ Digita	IGlobe   Report Map
	Alert Details				Q FILTER BY	. 0	CLEAR FILTER	None				CANCEL	SAVE
	Frequency <b>9</b>	Minute(s)		Т	Гуре А	ert Name	2		Detail		Date/Time		
	Alert when ignition is:					aworth's Fa	arming				11/02/2018 9:31:23 AM	<b>Q</b>	
	<ul><li>✓ On</li><li>✓ Off</li></ul>										11/02/2018 9:30:19 AM		
					<u> </u>	aworth's Fa					11/01/2018 7:00:01 PM	0	
	Vehicles				D Se	aworth's Fa	arming					•	
	© Combine				D Se	aworth's Fa	arming				10/30/2018 7:00:02 PM	♥	
											10/29/2018 7:00:02 PM		

#### 1. Click Fleet tab > Alerts

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

Farmstream Fleet	Traditional Fleet
<ul> <li>Machine Alerts</li> </ul>	<ul> <li>Curfew Alerts</li> </ul>
<ul> <li>Rushing Alerts</li> </ul>	<ul> <li>Geofence Alerts</li> </ul>
	<ul> <li>Create Geofence</li> </ul>
	<ul> <li>Ignition Alerts</li> </ul>



### Online | Utilization FARMER PRO ONBOARDING



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

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

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



# **0.2.d**

## Materials



### Online | Planning Season Materials

FARMER 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

Menu	~	NPUTS & MATERIALS CHEMICALS	FERTILIZER	S LIME	SEEDS WA	TER TAI	NK MIXES SUMM	IARY				I
✿ Home		G MERGE 面							+ ADD	CHEMIC	NL	I
Profile		Material	Qty. Purchased	Avg. Cost	Total Cost	Applied Area	Avg. Rate	Qty. Used	Balance			I
A Farms		2,4-D LV 4 Ester	0.000 gal	\$0.00	\$0.00	0.00 ha	0.00 gal/ha	0.000 gal	0.000 gal		•	
		Aframe	0.000 l	\$0.00	\$0.00	0.00 ha	0.00 l/ha	0.000 l	0.000		•	
🖧 Equipment		□ JUWEL TOP	0.000 gal	\$0.00	\$0.00	0.00 ha	0.00 gal/ha	0.000 gal	0.000 gal		•	
🔄 Inputs & Materials		Omni Brand Propiconazole 41.8% EC	0.000 gal	\$0.00	\$0.00	0.00 ha	0.00 gal/ha	0.000 gal	0.000 gal		•	
		ROUNDUP ORIGINAL MAX	0.000 gal	\$0.00	\$0.00	0.00 ha	0.00 gal/ha	Chomic	al Search			
Commodities		Roundup Weathermax	0.000 gal	\$0.00	\$0.00	0.00 ha	0.00 gal/ha	CHEILIG	ai Search			
齱 Storage		Total:			\$0.00				Name		1oc	
	INPUTS & MATERIALS CHEMICALS FERTILIZERS LIME SEEDS WATER TANK MIXES SUMMARY					L						
	Chemical Properties							Manufacturer Bayer C			Bayer Cro	opscience
	Use Chemical Search to find additional information about the material.							Name	Manuf			/lanufacturer
		Q CHEMICAL SEARCH						MOCAD				
	Na	Name * MOCAP 10% GRANULAR		Manufacturer Bayer Cropscience					MOCAP 10% GRANULAR			Bayer Cropscience
	Categ	Category * Insecticide •		EPA # 264-465				MOCAP	15% GRANULAR (R)		В	Bayer Cropscience
	Fo	rm * Granular/Dry ▼		Warning				MOCAP 15G LOCK N LOAD		В	Bayer Cropscience	
	Active Ingree	dient	REI 48					MOCAD EC (D)				
	Purchased Ur	chased Units * kilograms •						MOCAP EC (R)			B	Bayer Cropscience
	Unit	Cost \$125.0 / kg										
	Applied Ur	nits * grams •						Request a new chemical to be added			added to	o the list

#### 1. Click Farm tab > Inputs & Materials > Chemicals tab

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




# Online | Adding Fertilizers

Strimble. Farm Field	Fleet Analytics I	Data Transfer						🔺 🍂	78 ?
2018 → Jump to field →									
Menu «	INPUTS & MATERIALS	CHEMICALS	FERTILIZERS	LIME SEEDS	WATER	TANK MIXES SUM	MARY		
A Home	@ MERGE 💼							+ ADD	FERTILIZER
🔳 Profile	Material	Qty. Purchased	Avg. Cost	Total Cost	Applied Area	Avg. Rate	Qty. Used	Balance	
A Farms	0-0-15	0.000 t	\$0.00	\$0.00	0.00 ha	0.00 t/ha	0.000 t	0.000 t	<b>ø</b>
	10-34-0	0.000 l	\$0.00	\$0.00	0.00 ha	0.00 l/ha	0.000 I	0.000 l	<b>@</b>
🐣 Equipment	🗆 16-0-0-20Zn	0.000 l	\$0.00	\$0.00	0.00 ha	0.00 l/ha	0.000 I	0.000 l	<b>@</b>
				\$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.							
	<b>Q</b> 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	IS	•	5.00	%	×
Unit Cost	\$50.00	/ kg			Zinc		•	0.25	%	×
Applied Units *	grams		•		Manganes	e	•	0.10	%	×
					Iron		•	0.10	%	×
Default Target Rate	150.00 ۽	g / ha			+ ADD ANO	THER ROW				
								CANCEL		SAVE

Name	ГОЦ
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.

#### 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 🖡 😗 🏢			
Demo 2018 - 2019 + 2018 +	Jump to field 👻										
Menu «	INPUTS & MATERIALS CHEMICAL	S FERTILIZERS LIME SEED	S WATER TANK MIXE	SUMMARY							
📅 Home	Tank Mix Properties										
Profile	Name *	burndown		Ingredient	Cost		Rate				
Al Farms	Form *	Liquid		Durango Atrazine 4L	\$25			10 gal/ac 🗙			
😽 Equipment	Carrier	water		+ ADD INGREDIENTS T							
☑ Inputs & Materials	Default Rate	10.00 gal / ac					_		<u> </u>		
🖉 Commodities		<ul> <li>Define mix as rates</li> <li>Define mix as quantities</li> </ul>									
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			2					Water			
💝 Grain Contracts											NTS TO
🐚 Markatolara							10.00				
			© 2011 - 2018 TRIMBLE, INC. ALL RIGHTS	S RESERVED. TERMS OF USE   TERMS OF SALE   PRIVA	CY	_	s rates				
							s quan				
							10.00				
							\$2.25				
									CANCEL	ОК	

To be used to document custom Tank Mixes

- 1. Click Farm tab > Inputs & Materials > Tank Mixes tab
  - Select + Add Tank Mix
  - Enter Name: Burndown
  - Select Form: Liquid
  - Carrier: Water
  - Default Rate: **10.00 gal/ac**
  - $\circ~$  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

18 - Jump to field -	INPUTS & MATERIALS	CHEMICALS	FERTILIZERS	LIME SEEDS W	ATER TANK MIXES	SUMMARY				1
Home	@ MERGE 💼							+ ADD	FERTILIZER	I
Profile	Material	Qty. Purchased	Avg. Cost	Total Cost	Applied Area	Avg. Rate	Qty. Used	Balance		I
Farms	0-0-15	0.000 t	\$0.00	\$0.00	0.00 ha	0.00 t/ha	0.000 t	0.000 t	<b>@</b>	
	10-34-0	249.932 l	\$10.60	\$2,650.00	0.00 ha	0.00 l/ha	0.000 l	249.932 l	<b>@</b>	
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	<b>@</b> •••	
Inputs & Materials	Eolo Spray 12-5-40	0.000 kg	\$0.00	\$0.00	0.00 ha	0.00 kg/ha	0.000 kg	0.000 kg	<b>@</b> •••	
	My Custom Fertilizer	4.990 kg	\$88.18	\$440.00	0.00 ha	0.00 kg/ha	0.000 kg	4.990 kg	<b>@</b> •••	
Commodities	Total:			\$3,090.00						
-	UPDATE TASK COSTS	UPDATE MATERI	AL UNIT COST							
urchase Details )-34-0	×									
Date         06/04/2018         Image: Constraint of the second se	- 1	INF	PUTS & MATERIA	LS CHEMICALS	FERTILIZERS LIME	SEEDS	WATER T	ANK MIXES	SUMMARY	
Price \$10.00 /1 Tax \$150.00	- 1		Fertilizers > 10-3	34-0				+ CARF	RY OVER Pur	chases & Use 🔻 🕇 NEW PUR
Total Cost \$2,650.00			Date	Field/Invoice	Avg. Cost	Total Cost	Applied Area		Avg. Rate	e Qty. +/- Balance
Update Material and Tasks for	or 2018		06/04/201	8 31579542	\$10.60	\$2,650.00				249.932   249.932
			Total:		\$10.60	\$2,650.00				249.932 l

#### 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

u «	COMMODITIES CROPS COMMODITIES CROP SEASONS		
lome			
rofile	Alfalfa	Price	CROP SEA Select Crops
	Apples		Crops
arms	Barley		Agave
quipment	Beans		Almonds
	Canola		Apricots
outs & Materials	Chickpeas		Argan
mmodities	Com		Asparagus
orage	Soybeans		Avocado
	Wheat		Banana
rm Weather			🔲 Basil
eople			Beets
			🗆 Blackberries 🗸
ocuments		$\triangleright$	
ain Contracts			
			CANCEL
arketplace			

STrimble. Farm Field	d Fleet Analytics Data Transfer	Console		土 🌲 📀 III 📷
2018 🗸 Jump to field 👻				
Menu «	COMMODITIES CROPS COMMODI	TIES CROP SEASONS		
A Home				CROP SEA Create Crop Season
	Crop Season	Start Date	End Date	
Profile	2019 Canola	01/01/2019	12/31/2019	Harvest Year * 2018
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
🔄 Inputs & Materials	2017 Alfalfa Forage	12/31/2016	12/30/2017	01/
Inputs & Materials	2017 Alfalfa RR	12/31/2016	12/30/2017	Subcrop 12/
✓ Commodities	2017 Barley 2 Row Malt	12/31/2016	12/30/2017	
	2017 Barley 6 Row Malt	12/31/2016	12/30/2017	12/ Activities Start Date 01/01/2018
Storage	2017 Beans Green	12/31/2016	12/30/2017	12/
💣 Farm Weather	2017 Canola Nexera	12/31/2016	12/30/2017	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
Documents	2017 Corn LL	12/31/2016	12/30/2017	12/
_				

	2017 Corn RR	12/31/2016	12/30/2017		
😚 Grain Contracts	2017 Soybeans R2	12/31/2016	12/30/2017	12/	CANCEL SAVE
📜 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 Last 24 hours	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		×	I		Create Farm	×
C	ilient Name *					Farm Name *	
		CANCEL	SAVE			FSA Number Client	· · · ·
Trimble. Farm Fiel 2018 - Jump to field -	ld Fleet Analytics Data Transfer Cons	sole				± ♠ª Ø Ⅲ	CANCEL SAVE
Menu «	FARMS CLIENTS FARMS FIELDS						
A Home	Search Fields	511				Show Retired (*)  ADD FIELD	
Profile	Name -	Client	Farm Chaffer Farms		Tillable Area 51.28 ac	ß	
Al Farms	10	Brent Chenier	Farm 1		51.28 ac	ß	
🖧 Equipment	□ 14.	Doug	Chaffer Farms		36.34 ac	ß	
one equipment	0.3	Perl and Sons Farms 2017	Desert Pearl		0.00 ac	Ø	
🔄 Inputs & Materials	3	Doug	Chaffer Farms		0.00 ac	ß	
Commodities	B 4	Doug	Chaffer Farms		0.00 ac		
Storage	9	Dout	10 ATRA				
	9	Field 1			Gene	ral Crop Legal Soil Irrigatio	ion Processor
🛎 Farm Weather	i brent	Won Field Name	Field 1		4 * K & K	00-100480	😥 📋 🍾 🕹 Import. Shp File
😩 People	D Trial						
Documents	E Field 1	Won Clier	Brent Chenier	• +	Township Road 170	TownshipRoad(170	TownshipRoad 170 TownshipRoad 170 TownshipRoad 170 TownshipRoad 170
	field 14	Dou	Farm 1	· +			
😌 Grain Contracts	<ul> <li>Field b</li> <li>Field Test 2</li> </ul>	Baundar	156.32 Arms		2		
🐂 Marketplace	Filed A	Boundar Are					
Syncing turned off		Tillable Are	156.23 Acres	C			
Last 24 nours							
							e e e e e e e e e e e e e e e e e e e
					+ -		Lealet   Copyright © ALK Technologies Inc., © HERE, Imagery © Digital/Slobe   Report Map Problem
							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	~	2018 Fie	ld Profiler											Ø MAN	^ AGE ▼
1888 Fie	ld Profiler	Selec	ct/Deselect All Search Field	s								Show Paren	t Fields All	All Add New Field	
8 Fa	rm Map		Field ID	Field Na	ma		Legal Desc.	Acres		Ir.	Сгор		Variety	Import Fields to 20	
de Fai	ППМар						cegor o coci				Crop		vancey	Assign Fields to Far	IIIS
			1077636	field b					C	N O	-			Upload Boundary P	iles
Cro	op Planner		1077635	Filed A					63.91	I N	Alfalfa -			Export Boundaries	
			1024045	hamad										Update Boundary (	Color
E Wo	ork Orders		1034815	home 1	4				77.8	3 N				Import Benchmark	c
			723653	Melvin's					148.06	5 N	Alfalfa			Export Benchmark	
	uipment Activity	702084													
						×								Refresh Boundary	Acres
<ul> <li>小</li> <li>ト</li> <li>ト</li></ul>	his PC → Desktop → Training F	iles > Bounda	ary	~ Ū	Search Boundary	,	Legal Desc.	Acres		lr.	Сгор		Variety	Target Yield	
ze 🔻 New fold	ler					. ?			77.8	3 N					
	<u>^</u>			-			Farm Total		77.8	8					
JAV_AgriBotix_C ^			Date modified	Туре	Size		Tallin Iotal		//.0	-					
neDrive	Boundary13		11/1/2010 3:00 AM	DBF File	1 KB										
is PC	Boundary13.gpe		8/5/2013 8:29 PM	GPE File	1 KB		Legal Desc.	Acres		Ir.	Сгор		Variety	Target Yield	
D Objects	Boundary13.lgd		8/5/2013 8:30 PM	LGD File	1 KB										
Desktop	Boundary13.shp Boundary13.shx		11/1/2010 3:00 AM 11/1/2010 3:00 AM	SHP File SHX File	7 KB 1 KB				36.34	t N	Soybeans - RR				
Documents	Boundary13.snx		11/11/2010 3:00 AM 11/11/2014 3:17 PM		1 KB				36.34	4 N	-				kg/ha
Downloads	Boundary14.shp		11/11/2014 3:17 PM		1 KB				36.34		Saubanas DD				
Ausic	Boundary14.shx		11/11/2014 3:17 PM		1 KB				50.54	4 N	Soybeans - RR				
Pictures	CF Field 1		3/24/2016 12:23 PM	DBF File	1 KB	Uplo	oad Field Boun	dary							
/ideos	CF Field 1.shp		3/24/2016 12:23 PM	SHP File	1 KB										
	CF Field 1.shx		3/24/2016 12:23 PM		1 KB		Drag files below	or select file	to upload	your sha	pe files.				
Windows (C:)	Ochsner E		12/9/2016 10:28 AM		1 KB	F	Files with extensio	ns .dbf, .prj, .	shp, and .sh	x are all r	needed.				
Apps (\\ushami-	Ochsner E.shp		12/9/2016 10:28 AM		9 KB 1 KB										
Groups (\\ushan	Ochsner E.shx		12/9/2016 10:28 AM 3/7/2017 11:53 AM	DBF File	251 KB										
Brent (\\usham	planting.		3/7/2017 11:53 AM		231 KB		Draw	g Files Here		0	0	Choose	Files No file chosen		
armworks_Insta	planting.shx		3/7/2017 11:53 AM		14 KB		Draj	s riles here		0	л.				
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etwork 👻											100%			507.86 Kb	
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					Open Cano										
					open	Uplo	aded Shapes								
							File Deseile		Destantion			Farm Column		Field Column	
							File Details		Projection F	1910		FarmName	۲	FieldName 🔻	
							CF_Field_1 0.98 KB	.shp, .shx, .dbf	WGS 84 🔻	New Field		FarmName	CF Farm	FieldName 🔻	CF Field 1
						p	planting 497.22 KB	.shx, .shp, .dbf	WGS 84 🔻	New Field	,	None T		Elevation 🔻	656.27
							Ochsner_E 9.66 KB	-		New Field	,	FarmName	<ul> <li>Darwyn Ochsner</li> </ul>	FieldName V	Ochsner - E
							Boundary Files Pre	-							

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** ( <sup>C</sup> )
- 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

Strimble.	Company Fai	rm <b>Field</b> Fleet Analyti	ics Workbench Data Transfer Con	sole	ᆂ 🏚 🥝 III
Demo Farms <del>-</del>	2019 - Ochsn	er E 🕶			Print
Menu	~~	OVERVIEW OVERVIEW	FIELD MAP		
<table-cell-rows> Back</table-cell-rows>					
Overview		2019 Field Manager Field Details # 1014809			C MANAGE -
🛍 GIS		Field Name	Ochsner E - Chenier Farms	ADS Field ID	1014809     Delete Field       Split Field     Delete Field
🛎 Weather		Legal		# Acres Variety	151.1 Irrigated New Crop Seeded Date Save Actuals as Crop Plan
📔 Work Orders		Target Yield		Actual Yield	Line und Date
		Notes:			New Crop ×
💱 Equipment Ac	tivity	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 Ochsner E - Corn New Acres 151.1 Crop Sequence 2 V
Chenie	r Farms				SAVE FIELDS
	Field	ID	Field Name		\$0 \$0.00
	8675	573	13		
	0676	26	Oshanas 5		Original Field
	8675	526	Ochsner E		(parent field)
	1014	4809	Ochsner E 1		
				_	
	, 1014	4809	Ochsner E 1 - Corn		New Crop
	101/	4809	Ochsner E 1 - Soybean	-	Fields
	1012	+009	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

Strimble. Company Farr	m <b>Field</b> F	Fleet Ai	nalytics Wo	rkbench Da	ata Transfer			1	<u> 1</u> 2	? Ⅲ
TABS Training - Advisor Client - 20	18 🚽 🛛 Jump to fi	ield 🗕								Print
Menu «										
📷 Field Profiler	Field	Acres	2016 Crop	2017 Crop	2018 Crop	Description / Variety	Target Yield / % Moisture		Target Price	
🐣 Farm Map	New Field # 1059223	85.04			Ŧ			Moisture		
Crop Planner	Farm A								_	-1.
0==	Field	Acres	2016 Crop	2017 Crop	2018 Crop	Description / Variety	Target Yield /		Target Price	
Equipment Activity	Field A1 # 1059617	29.23			•		cwt/ac %	Moisture		
🕂 Harvest Summary							MT/ac Plants/ha			
Farm Calendar	Field A2 # 1059618	19.4			T		bags/ac	Moisture		
	Field A3 # 1059620	37.07			<b></b>		bu/ac % Ib/ac % Plants/ac Seeds/ac	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.



## 0.2.f

## 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		Plan A - 2019				
🚺 GIS	Code:			A <b>V</b>	Add Crops			
🛎 Weather	Crop: Target Yield:			Corn • + 200 bu/ac •	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	\$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00	(%)         Seed           (%)         Feelling           (%)         Felling           (%)         Fread           (%)         Fread           (%)         Fread           (%)         Sequencer           (%)         Sequencer
		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 <b>50.00</b>	\$0.00 \$0.00 \$0.00	
			Seed Date Crop Type Fertilizer Application		irm. Mortality	Seed Plants Rate Comme		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

	Field Planner				O MANA
					Edit Plan Add Plan
nager	Plan: A - Plan A - 2019 Rield Name Soil Sampling_GVF - Test Farm	ADS Field ID	1263215 [.egai		Copy Plans to Fields Delete Plan
	Field Name Soil Sampling_GVF - Test Farm Planned Crop Corn	Planned Variety		t Yield 200 bu/ac	Apply Plan as Actual Compare Plans and Act
	for a second data and data and				Compare Plans and Pla
	Expenses Breakdown Expense	Total Cost	Cost/Hectare	Cost/Unit	
ders	Seed	\$0	\$0.00	\$0.00	0% 💳 Seed
nt Activity	Fertilizer	\$0	\$0.00	\$0.00	0% Fersili 0% Folier
	Foliar/Other	\$0	\$0.00	\$0.00	0% Methi 0% Misso
	Herbicide	\$0 \$0	\$0.00	\$0.00	0% E Fungi 0% Varia 0% Fixed
Budget	Insecticide	50	\$0.00	\$0.00	0% Con Open 0% Equip
	Other Variable	50	\$0.00	\$0.00	
Data	Fixed Expenses	\$0	\$0.00	\$0.00	
	Operator Expenses	50	\$0.00	\$0.00	
	Equipment Expenses	\$0	\$0.00	\$0.00	
	Total	50	\$0.00	\$0.00	
-	MANAGE   Edit Plan	Edit Play	O MANAGE -	Produce (Blend)	Cost/Hectare Cost/Hectare Cost/
		E UNIX PIRI			
	Add Plan	Add Plan			
	Copy Plans to Fields	Copy Pla	ins to Fields		
I		Copy Pla Delete P			
	Copy Plans to Fields	Delete P			

- 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	d 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     Click here to sort	
🐣 Equipment	Chenier Farms         123         ABM         Corn         cwt         1000.000         17.000         Jan/2019           International Internationa Internatina International Internationa International Internatina	
🔄 Inputs & Materials		
Commodities		
Storage		

Strimble. Farm Field	Fleet Analytics Data Transfer Console	<b>.</b> .	? III
2017 + Jump to field +			
Menu «			
A Home	Contract Details		- 1.1
Profile	Contract # 123		- 1.8
A Farms	Status Open  Contract Date		- 11
🐣 Equipment	Crop Year 2018		- 1.8
🔄 Inputs & Materials	Farm Name Contract Type		- 14
🛃 Commodities	Description Futures Month/Year		- 14
🐘 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:		- 1.8
🍲 Grain Contracts	Basis (per Unit)     Quantity Priced     cwt     Price Comments:       Discounts		- 14
<ul> <li>Marketplace</li> <li>Syncing turned off Last 24 hours</li> </ul>	Incentives		
Last 24 nours	© 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	т
- 1	
Tap here to	o fill the entire screen
	$\Box  \leftarrow$

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

   		91% 🖹 3:24 PM
< Contract D	etails	
123 - Corn ABM -		
Quantity Delivered Left to Deliver	1,000 cwt 150.000 cwt 850.000 cwt	(15%)
and the second	:2 Total: %): 0.0 Avg Dock 0.0	
Transactions		+
Bin - 12345		150 cwt ㅅ
≥ 09		50 cwt
12:00 AM		100 cwt
12:00 AM		
Tap ł	nere to fill the entire sc	reen
2		$\leftarrow$

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

<b>Errimble</b> . Farm Field	Fleet Analytics Data Tra	insfer Console						± ♠⁵ 😧 III	
2019 - Jump to field -								Print	
Menu « S	STORAGE BIN PROFILER	BIN TRANSACTIONS							
A Home	Bin Profiler								
Profile	+ Location X + Unit X							♦ MANAGE ◄	
A) Farms		Description ~	Location v	Capacity v Crop v	Crop Desc	<ul> <li>Variety</li> </ul>	~	Inventory ~	
🖧 Equipment	Location:								
🔄 Inputs & Materials		ēst Bin 1		25,000.00 bu Corn	RR	P7005AM		4,821.43 bu 🔊 🛇 🗇 🗊	
L₽ Commodities		rest 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 Bin Name	12345	Location Legal Land					
	A Farms		Test Bin 1		Qtr: v		Mer: Transaction Mana	iger	
	×	Total Capacity	25000.00 bu v	GPS Location	Lat:	Long:	Bin Detail	12345 - Test Bin 1	
Test Bin 1		Inventory	4,821.43 bu	9 C 😑 🗐			From	Bin v Test Bin 1	•
▼ Test Bin 1 ▼	Materials	Space Available	20,178.57 bu	Access Descripti	ion		To Date		•
1-06 12:00 AF 🗐 🕑 Now	lities	Crop Type	Corn	Construction Ty	pe		Volume	2018-11-09 12:00 AI	
MT v		Crop Description	RR	Floor Type			Net Volume 👩	15000 bu •	
+ Add Crops		Crop Variety	P7005AM	Dimensions	Length:	Width:	Сгор Туре	Corn v + Add Crops	
¥	ather	Grade	Y	Circumference			Crop		
Ŧ		Moisture	% From Transactions: 0.00 %	Hopper Height			Description Crop Variety		
v		Protein	96 From Transactions: 0.00 %	Auger Size			Grade	P7005AM •	
		Weight	gm/0.5L	Aeration	© Yes ◎ 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 PROFIL	ILER BIN	I TRANSACTION	NS								
							Bin Profiler												🌣 MANAGE 🗸
							+ Location ×	+ Unit 🗙											
Transaction Manager Bin: Test Bin 1 - 12345						ent Inventory V Print	Code	•	~ Descri	iption	~	Location v	Capacity	~ Crop	<ul> <li>Crop Desc</li> </ul>	~ Variety	~	In	ventory ~
Drag a column header and drop it h Crop v Grade		icket 🗸 Date	v Volu v			• To/F •	<ul> <li>Location:</li> <li>Unit:</li> </ul>												
Corn		2018-11- 09 12:00 AM	0400.000	8400.056 cwt N/A	Out	Contract: ABM:	1234		Test B	Bin 1			25,000.00 bi	u Corn	RR	P7005AM			4,821.43 bu ᠑ 🎯 🤤 🗐
Corn		2018-11- 06 12:00 AM	100.000	100.000 cwt N/A	Out	Contract: ABM:	4458		Test B	3in 2			20,000.00 bi	u Barley	2 Row Silage	CDC Cowb	ру	1	0,000.00 bu
Corn		2018-11- 06 12:00 AM	39368.000 bu	39368.000 bu N/A	In	Field: 13							45,000.00 bi 45,000.00 bi						,821.43 bu
Corn		2017-09- 01 12:00 AM	5000.000 bu	5000.000 N/A	In	Field: 13													
	0 %		35,867.94 cwt	35,867.94 cwt		•	STORAGE Bin Activ	BIN P	PROFILER	BIN TRANSAC	TIONS								MANAGE -
							Custom		▼ St	tart Date: 9/10	0/2018	End Date: 11/9/20	018						Add Harvest Data
							Drag a co	lumn header a	and drop it he			From A	~ То			~ Volume	V Net Volu	✓ Dockage ✓	Update Origin Update Destination
								182069 20		02:50 PM	Corn	Field: 13	Bin: 12345 - Test Bin 1			5000.00 bu		0.00 %	Delete Transactions Reset Table View
								180909 20		12:00 AM	Corn	Field: 13	Bin: 12345 - Test Bin 1			39368.00 bu	N/A	0.00 %	
								180910 20	018-11-09	12:00 AM	Corn	Bin: Test Bin 1	Contract: Corn - ABM:	(1000 cwt)		8400.06 cwt	N/A	0.00 %	
								180649 20	018-11-06	12:00 AM	Corn	Bin: Test Bin 1	Contract: Corn - ABM:	(1000 cwt)		100.00 cwt	N/A	0.00 %	
																52,868.06	null		

Client: Demo Farms Year: 2019					Transac	tion History			Stanspor
Bin: Test Bin 1 - 12345									
-	rop it here to group by that colu								
Crop	Grade 🗸	Moisture 🗸 🗸	Ticket ~	Date 🗸	Volume ~	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

<ul> <li>B G</li> <li>Farm E</li> </ul>		⊑ll 93% 🖹 3:00 F	M						A B C Sin D		8 % Q	└╦╴₄╢ 93% 🖿 3:00 PM				
Location	Crop Filter	+ 🚄 l 44,189 bu	< New		₿ ≯	<b>Ö</b> <sup>lte+</sup> JI	ul 92% 🗎 3	3:05 PM	12345: T Corn - RR	est Bin 1			B III Sin Transa		.ııll 93% <b>∎</b> 3:00	DPM
		44,189 bu	Bin Code						Capacity Current Inver		50,000 bu 34,189 bu		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	
$\overline{\bigcirc}$	4458: Test Bin 2	Capacity 20,0	Location							123			Destination		12345	
50%	Barley - 2 Row Silage - CDC Cowboy	Current: 10,0	(	Sec	Тwp	Rnę	g	Mer		Corn		<b>15000 bu</b> Nov 09 - 12:00 AM	Quantity Gross			bu
			Lat			_ong				13 Corn - RR	- P7005AM	5000 hu	Protein			
			0.00 Total Capac	ty		0.00						<b>5000 bu</b> Nov 06 - 2:50 PM	Moisture (%)			
					bu					<b>123</b> Corn - RR	- P7005AM	179bu [	Ticket Truck			
										10		Nov 06 - 12:00 AM	Сгор	Corn		
										13 Corn		<b>39368</b> bu	Description	RR		
										13		Nov 06 - 12:00 AM	Variety	P7005AM		
										Corn - RR	- P7005AM	<b>5000</b> bu	Operator			
	Tap here to fill the entire	e screen		Tap here	e to fill the	e entire s	screen				e to fill the en		Harvester Tap	here to fill the entire	screen	
F		$\leftarrow$				j	$\langle$	-				<			$\leq$	

- 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

ETTINGS SYNCING API CONNECTIONS			
Account	Email	Date Added	+- Last Sync
AGCO	METfarms	10/22/2018	11/01/2018 3:10 PM
slingshot, 123D4566-2345F678-3456R789-567W890	jfarmer@email.com	11/01/2018	11/01/2018 3:10 PM
AGRICULTURE		11/01/2018	0-
AGRICULTURE		11/01/2018	Sync Data Manage Companies Delete
JOHN DEERE		11/01/2018	0-
			Settings Import Fields Import Files
			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	<ul> <li>Upload machine collected data from field displays to Trimble Ag Business Solutions website</li> <li>Upload data to share with your advisor <ul> <li>Topo</li> <li>EM/EC</li> <li>Soil Locations</li> <li>Management Zone Boundaries</li> <li>Task</li> </ul> </li> <li>Deliver Prescription maps and resource files to connected or</li> </ul>	
	displays Select Files Upload File X	Upload Shape File
	Upload Imagery to Far     GeoTiFF     The .prj file is only required if the shape file is not in WGS84 format.     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	<ul> <li>Topo</li> <li>EM/EC</li> <li>Soil Sample Locations</li> <li>Soil Target Locations</li> <li>Management Zone Boundaries</li> <li>Task</li> </ul>
	CANCEL UPLOAD CANCEL NEXT	NEXT CANCEL
<b>1 - Test 2</b> 1 93.50 ac	1 - Test 2	
02/25/2019 8:00:00 AM	Crop Zone Choose   Choose  Choose  Choose  Choose  Choose  Choose  Choose  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	
	Resources Conditions Notes	
	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

	Content of the second		Fleet Analytics Data Tra	ansfer					±	Q FILTER BY	
	Menu	~	Q FILTER BY • O CLEAR FILTER 05/10/2016 - 10/31/2		/31/2018	1/2018					
	📾 Field Profiler		All Name	Date 🔻	Client	Farm	Field	Year	Crop	Date	
			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	lowa UTM n	2018	Wheat Winter	Crop	
	Crop Planner		C 🛒 rodney	11/23/2017 9:16:08 AM	AGCO	Rodney	field5	2017	Corn		
			Contraction of the second seco	11/22/2017 10:49:43 AM	1		field04	2017	Corn	Operation	
	Work Orders		C 🛒 rodney	11/21/2017 3:42:39 PM			field03	2017	Corn	Vehicle	
			Contraction of the second seco	11/20/2017 8:50:16 PM			field02	2017	Corn		
	🚝 Equipment Activity		C 🕂 rodney	11/15/2017 7:50:53 PM			Field01	2017	Corn	Implement	
	₩ Harvest Summary		Harvest 1	10/11/2017 12:49:21 PM	Demo Client	Stark Farm	Stark#14	2017	Corn	Operator	
			Planting	04/21/2017 12:59:07 AM	1 Demo Client	Stark Farm	Stark#1	2017	Corn	-	
	🖬 Farm Calendar		CORN HARVEST 11-8-16	5 11/08/2016 3:08:29 PM	csu	MAIN STATION	500B	2016	Corn	Material	
			CORN PLANTING 5-13-1			MAIN STATION	500B	2016	Corn	Is Verified	
						2					
rk Farm 74 ha <b>ting</b> PM - 9 AM	Map Inputs		Seed Rate C/P 1498AM	¥ ▼ * <b>± 0</b> (ks/ha) 58.45	Map Ir	ıputs		Start	Task Name Planting Date/Time 04/20/2017 9:35 ne Worked	Manage Operation Types	
74 ha <b>ting</b> ' <b>s</b> PM -	+ - []		Seed Rate C/P 1498AM	▼ * ▲ 0 5> (ks/ha) 58.45	Map Ir Showing Opera Plat Vehick 923 • Impler Spr • Materi	input totals for Task tors nter, Doug 3.39 hrs es 10 3.39 hrs ments ayer 27.16 ha als	\$0.00 / hr \$0.00 / hr \$0.00 / ha \$0.00 / l 47.46 l / ha	Start Tir Resourc A A A	Crop Zone 2017 Corn (Star Operation Planting Task Name Planting Date/Time 04/20/2017 9:35 me Worked es Conditions Notes iprayer rea Worked certilizer rea Applied Target Rate Actual Rate: 47.44	PM End Date/Time 04/21/2017 12:59 / 3.39 hrs Area Worked 2 27.16 ha Cost 2 26.21 ha Cost 1 0.00 I/ha Quantity Used 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

2020 👻 Jump to field 👻													
Menu	~	From Vehicles	10/02/2018 - 11/01/2018	3 🛍						RELOAD			
Manage Files		To Vehicles	Date Uploaded 🔻	Vehicle	•	File Name			Size	Status			
A Collings		Upload	11/01/2018 11:33:57 AM	👗 s	Seaworth JD 8320R	AIM_Seaworth 353.zip	2018_Little_flood_plow_201811(	)1_093	64 KB	Processed			
Settings		Resource Exports	11/01/2018 11:26:42 AM	🚑 s			A_Seaworth 2018_Little_flood_plow_20181101_092		57.1 KB	Processed			
		Search From Vehicles	11/01/2018 11:22:47 AM	*		osoicip .							
			11/01/2018 11:21:20 AM		From Vehicles	01/02/2017 - 11/01/2018 🛗							
			10/31/2018 7:57:06 PM		To Vehicles		Date Uploaded 🤟	Vehicl	P	File Name		Size	Status
			10/31/2018 7:55:23 PM	2	Upload		10/01/2018 1:13:51 PM	venier	•	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	2	Search To Vehicles			ites					-
			10/31/2018 2:53:38 PM				11/22/2017 12:50:32 PM	-	Seaworth JD 8235	Operators.zip		339 Bytes	Pending
			10/29/2018 8:49:48 AM	2			11/22/2017 12:50:32 PM		Seaworth JD 8320R	Operators.zip		339 Bytes	Sent
			10/29/2018 7:49:46 AM				11/22/2017 12:50:32 PM	2	CSU JD 7820	Operators.zip		339 Bytes	Pending
							11/22/2017 12:50:32 PM		Seaworth JD 7260R	Operators.zip		339 Bytes	Pending
							11/07/2017 2:06:53 PM	*	Case IH 1660	Case Logo Plate.tif		18.4 MB	Pending
							10/30/2017 8:17:04 PM	-	Kubota RTV1140	operators.zip		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<sup>™</sup> Feature

# 0.3.b



### AutoSync Summary FARMER PRO ONBOARDING



The AutoSync<sup>™</sup> 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 Line	es	✓	✓	✓
Coverage Ma	ps <sup>1</sup>	✓		
Client/Farm/	Field Names	✓	✓	✓
Landmarks ar	nd Boundaries	✓	✓	✓
Operators		✓	✓	✓
New	Vehicle Profiles <sup>2</sup>	✓	✓	✓
New	Materials	✓	✓	✓
New	Implements	✓	$\checkmark$	✓

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


## AutoSync | Requirements and Setup Steps FARMER 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

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	WIRELESS & NETWO	RKS							
	🗢 Wi-Fi					ON			
	🕚 Data usage								
	More								
	DEVICE								
	📢 Sound								
<b>**</b>								÷	
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	SKY4C510						~		
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	Backup & re	set							
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- 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
<b>Clean Yield</b> Runs in the ba	ckground and applies the following e	ffects:	0	2091.03 kg	346819.57 kg
	<b>ated Yield</b> es grain flow delay, overlaps, GPS en differentially calibrated combines.	ors, and differences		1969.25 kg/ac	939486.06 kg
Divides Norma yield o	alized Yield s each Calibrated Yield sample point l lized yields are expressed as a perce f the field and can be used to compan as across different crops and years.	ntage of the average		Total Yield	939486.06 kg
View Requin		from the collected			
task(s) and app <b>Merge</b> Combines two	Equipment, Materials and other item blies them to the Field Manager scree 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			CLOSE SAVE
	op zone for any task that's missing a an assigned crop that matches that o		VERIFY TASK	EDIT	EAN 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

<b>imble</b> , Farm •   13 •	Field	Fleet A	nalytics	Data Transfer	Console										1 <b>4</b> 2 (	•		
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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 <b>Analytics</b> Da	ata Transfer Co	onsole										±	? ∷	1
Menu «	LAB DATA SOIL	MANURE TISSUE	LABELS & F	ORMS											
📙 Lab Data	Manage Soil Tests												<b>O</b> M	IANAGE 🔻	
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	Field ID	Field N	Name		Legal N	lame		Date			# of T	ests			
Market Position Sheet	867573	13						2018-0	02-01		25			2	
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E Crop Production Costs	Choose File Soil Tests Results ne		Tests From File												
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		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 OM	· ·	P1 P1	•	•	•	K K	MG MG		• 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)

<b>©:Trimble</b> . Farm	Field	Fleet Ana	l <b>ytics</b> D	)ata Transfe	r Conso	ble	
2019 - Jump to field -							
Menu	«	LAB DATA	SOIL	MANURE	TISSUE	LABELS & FORMS	
👗 Lab Data		Manage Tim	Tanta				
📈 Field Data Analyzer		Manage Tiss					
Reports		Test Farm	0	Test Date		Field Name	Growth Stage
Scouting Report		12631	90	7/4/2019		Field_SoilSampling	pre-flower to 50% flower
Crop Production Costs			<b>ue Test Data</b> No file chosen	From Excel	pload Tissue Tes	ts From File	

Tis	ssue Test Dat	a Importer Be	ta							
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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		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
- 3. 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	s Crop Plan
Switch to new	Field Manager

Т	Training Field - Flat - W Training Client 1: Training Farm 1 14.88 Acres		Soybeans 05/12/2018		+ ADD TA	ASK 🔅
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	Activity	Date 🔺	Days After Planting	Area	Cost	
~	Soybeans Spreading Spreading	04/24/2018	-18	94.88 ac	\$256.45	:
~	Seeding Planting	05/12/2018	0	98.06 ac	\$93.55	:
~	Soybeans Spraying Spraying	06/24/2018	42	94.88 ac	\$50.24	:
~	Harvest Harvesting	10/03/2018	144	96.65 ac	\$0.00	:

>	Training Field - Flat - W Training Client 1: Training Fa 94.88 Acres		Crop: Soy Planted: 05/1			+ ADD TASK
ctivitie	s Profitability Seedir	ng Fertility Chem	icals Harvest	Irrigation	Scouting Other	
	Income / ac ( 4	9.49 bu / ac )	Expenses / ac		Profit / ac	
	\$569.1	5	\$428.9	90	\$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 Variable	\$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 Expense	\$40,695	\$428.90	\$8.67		
	Crop Sales ( 4,695.78 bu )	\$54,002	\$569.15	\$11.50		
	Other Revenue	\$100	\$1.05	\$0.02		
	Direct Costs (Materials)	\$40,010	\$421.69	\$8.52		
	Gross Profit	\$14,091	\$148.52	\$3.00		
	Equipment & Other Cost	s \$684	\$7.21	\$0.15		
	Net Income	\$13,407	\$141.30	\$2.86		

- 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				Soybeans 05/12/2018	3			+ ADD TASK	٠					:	
Activities	Profitability	Seeding	Fertility	Chemicals	Harvest	Irrigation	Scouting	Other						Summary		
Û													View Edit	Report	- 1-	
_	Data	Gron	Marri	in the		Data	A	Control					Delet	e		
	<b>Date</b> • 05/12/2018	Crop Soybeans	Vario	3917R2X		Rate 92.34 lbs/ac	Area 25.95 ac			:			_	_		
	05/12/2018	Soybeans		P38A98X		00.56 lbs/ac	72.10 ac			1						
		Activities	Profitability	y Seeding	Fertility	Chemicals	Harvest	Irrigation S	Scouting Othe							
_				y secong	renting	chemicals	Harvest	ingation -		-1		- L				
		Ê														
				Material (Blen				Туре	Rate Area		/Area					
		0.		46-0-0 Total	46-0-0 <b>46-0-0</b>			Dry 100.00	) lbs/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	РНІ	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	
							Ê	1								
								Date	96.65 a		Average Yield 48.59 bu/ac	<b>Total Y</b> 4,695.82		\$11.50 /bu	<b>Total Sale</b> \$54,001.93	
							_				Total	4,695.82				

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



	General Materials (0) Equipment (0) Task Name *	) Operators (0) Conditions Soybeans Spraying		Search			
	TOSK Nome "	Soyucans spraying			MY MATERIALS RECE	NT	_
Choose Field(s)	Operation *	Spraying	•	Nam	e Ba	alance	Î
Choose Field(s)		🌣 Manage Operation Ty	es	0-0-6	0+48Cl 0.(	000 ton	
● 🗷 🖻 Gopherville	Crop *	2019 Soybeans (Gopherville)		11-52	-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			Area Applied		464
🗆 🔝 Goudys Home North			- L.	46-0-	Cost		\$358.0
🗉 🔃 Goudys Home South	Time Worked	0.00 hrs		46-0-	l arget Rate		0.00
🕒 🗉 🖩 Goudys North Section	Area	464.22 ac		alpin	IE G2	ual Rate: 0.00 lbs / ac	
Gravel Pile	Comments			Canol	Quantity Used	Flat Rate	0.0 © Va
🗆 🖻 Gus			10		Rate Type	- Hut Nute	Rate
🕒 🗉 🖩 Harroby Quater					Placement	Choose	
					MORE		

<b>t Operator(s)</b> 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 Soybean					
Training Field - Flat - W						+ ADD
Training Client 1 : Training Farm 1	General	Materials (0)	Equipment (0)	Operators (0)	Conditions	Multiple Products
94.88 ac	No Mate	erials				Seed
07/25/2019						Chemicals
8:00:00 AM						Fertilizer
						Lime
						Tank Mix
						Water



Seed 28-10RY-Advisor			×
Fla	t Rate 🔍	Variable	
Area Applied	46	4.22 ac	
Cost	\$200.0	0 / bag	
Target Rate	10.00	kS / ac	⊞
Actual F	(ate: 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		;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 *		1 1
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									
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 SAVE	- 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 Farm 1	General Materials (0) Equipment (0) Operators (0) Conditions Harvest	Price	\$0.00 / bu
	94.88 ac 07/25/2019	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		
Training Client 1: Training Farm 94.88 Acres	Plan	<b>:ed:</b> 05/12/2018	3			ADD TASK	1			Date	07/25/2019	Ê	
ties Profitability Seeding	Fertility Chemica	ls Harvest	Irrigation	Scouting	Other		1			Туре	Irrigation	•	•
3			J		+ 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	DD EVENT HIDE CH	RT Cor	mments			
05/31/2018	Irrigation	- Canal	2.00					5/01/2018 - 08/02/2018					
06/11/2018	Rain		1.60 - g 1.20 -										
			.≌ 0.80 0.40 0.00								0	ANCEL	
			40.00 - 30.00 - 52 20.00 -										
			10.00		2040 520/2040 5/22/2040 52/20	6/10/2018 6/17/2018 6/24/2018	7/1/2018 7/8/2018 7/15/2	2018 7/22/2018 7/29/2018	57040				
				29/2018 5/6/2018 5/13/2	2018 5/20/2018 5/27/2018 6/3/201	6/10/2018 6/17/2018 6/24/2018		2018 //22/2018 //29/2018					
<b>Training Field - Flat - N</b> Training Client 1: Training F 94.88 Acres	Farm 1 Crop:	Soybeans 05/12/2018		Rain Irrigation	Accumulated — Seeding Date		Pungicide Date He	rbicide Date — Insecticide D					
Training Client 1: Training F 94.88 Acres ties Profitability Seed	Farm 1 Crop: Planted:	05/12/2018 hemicals H	larvest Ir			•	Fungicide Date Heit		Add Expense				×
Training Client 1: Training F 94.88 Acres ties Profitability Seed ate <b>Type</b>	Farm 1 Crop: Planted: ding Fertility C Sta	05/12/2018 hemicals H ge	larvest Ir	rrigation	+ ADD TASK Scouting Othe	•	Fungicide Date Her		Add Expense	pense	O Revenue	e	×
Training Client 1: Training F 94.88 Acres ies Profitability Seed ate <b>Type</b>	Farm 1 Crop: Planted: ding Fertility C Sta	05/12/2018 hemicals H ge	larvest Ir	rrigation	+ ADD TASK Scouting Othe Edit	<b>*</b>	Fungicide Date Hei		Add Expense	(pense Choose		e T	
Training Client 1: Training F 94.88 Acres ties Profitability Seed ate <b>Type</b>	Farm 1 Crop: Planted: ding Fertility C Sta	05/12/2018 hemicals H ge	larvest Ir	rrigation	+ ADD TASK Scouting Othe	<b>*</b>	Fungicide Date Her		Add Expense				_
Training Client 1: Training F 94.88 Acres ies Profitability Seed ate <b>Type</b>	Farm 1 Crop: Planted: ding Fertility C Sta	05/12/2018 hemicals H ge	larvest Ir	rrigation	+ ADD TASK Scouting Othe Edit	<b>*</b>	Fungicide Date Her		Add Expense © Ex Description	Choose	ed	•	
Training Client 1: Training F 94.88 Acres ies Profitability Seed ate <b>Type</b>	Farm 1 Crop: Planted: ding Fertility C Sta ter V1	05/12/2018 hemicals H ge	larvest Ir	rrigation	+ ADD TASK Scouting Othe Edit	<ul> <li>Image: A second s</li></ul>	Scouting		Add Expense	Choose Other Fix	ed 9	• •	_
Training Client 1: Training F 94.88 Acres ties Profitability Seed	Farm 1 Crop: Planted: ding Fertility C Sta ter V1	05/12/2018 hemicals H ge	larvest Ir	rrigation	+ ADD TASK Scouting Othe Edit Print		Scouting		Add Expense	Choose Other Fix	ed 9	94.88	¢
Training Client 1: Training F 94.88 Acres ties Profitability Seed	Farm 1 Crop: Planted: ding Fertility C Sta ter V1	05/12/2018 hemicals H ge	larvest Ir s	rrigation Status	+ ADD TASK Scouting Othe Edit Print emicals Harve	r I I Irrigation	Scouting + AD	Other	Add Expense © Ex Description Type Date Area	Choose Other Fix	ed 9	94.88	¢
Training Client 1: Training F 94.88 Acres ities Profitability Seed Date <b>Type</b>	Farm 1 Crop: Planted: ding Fertility C Sta ter V1	05/12/2018 hemicals H ge ability See	larvest Ir	rrigation Status rtility Che	+ ADD TASK Scouting Othe Edit Print	r I	Scouting	Other	Add Expense © Ex Description Type Date Area Cost/Area	Choose Other Fix	ed 9	•     •       • <td>¢</td>	¢

	_				+			
		07/24/2019	Other Fixed	Other Fixed	\$0.53 /	ac	1	CANCEL
						Edit		
						Delete		
							_	
_								

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



	Seed											2		
		Сгор Туре	Variety	Germ.	Mortality	Seed	Plants		Rate Comments		Acres	Cost/Acre		
								00.000.5						
	5/12/2017	Corn - RR Primary	P7005AM	96	96	seeds/kg	plants/ha	28,000 Se	eeds/ac		65.21	50.40		
	2/22/2018	Corn - RR UnderSeeded/Refuge	P7005AM	96	96						65.21			
	Fertilizer Applicatio	on										Da 🖻 📑 🕓		
	Date Comme	nt	Placement	Туре	Actual Nutrient (lb/a	c)	Acres	Rate	Product (Blend)			Cost/Acre		
	Starter	n seed row	Seed Placed		3-11-1-0		65.21	4.5 gal/ac	ALPINE G22			17.20		
					75-0-0-0									
	Urea		Side band				65.21	163 lb/ac -				26.90		
	Side Bar	nd	Band	Dry 📓	10-41-48-3-38.5Cl-0.3	2Zn	65.21	165 b/ac	5-24-29-1-23.3Cl-0.1Zn			38.12		
				Tota	l 87-52-49-3-38.5Cl-0.	2Zn						82.22		
	Field Scouting / Pro	duct Recommendations									Field Scou	ter/Product Rec		
	Date	Туре				Stage		Status	5					
	Jun. 08, 2018	Field Scouter										P 2 🔁		
tilizer Application 🗟 🗛	dd Analysis, Manure or Con	npost												
# Tank #/Size Date	Comment/Zone	Placement/Type	Product	Price (tonne) A	cres Rate Cost//	Acre ;								
T	<b>(</b>	▼ Band ▼										26		
	-													
		Dry 🔻			lb/ac ▼									
	n to.	7												
Field ID Farm Na	n to. Iame Field Na	ime Legal	Desc. Acres	Crop - Desc	Ib/ac ▼ Variet	/								
Field IDFarm Na867526Chenier	n to. Jame Field Na r Farms Ochsne	ime Legal	Desc. Acres 150.79		Variet	v						_	<u> </u>	
Field IDFarm Na867526Chenier867573Chenier	r Farms Ochsner r Farms 13	me Legal r E	Desc. Acres 150.79 65.21	Corn - RR	Variet Proc	_	Ground	•	Crop	Stage				
Field IDFarm Na867526Chenier867573Chenier1077211Chenier	r Farms Ochsner r Farms 13 r Farms west 7 -	me Legal r E CropCare	Desc. Acres 150.79 65.21 63.99	Corn - RR Barley - 2 Row Silage	Variet Proc Applic	uct Application	Ground • No Ves	•		Stage y Volume		gal 🔻		
Field IDFarm Na867526Chenier867573Chenier1077211Chenier1024002CDN Far	r Farms Ochsnei r Farms 13 r Farms west 7 - rrm East Fie	r E CropCare Id - Corn	Desc. Acres 150.79 65.21 63.99 34.3	Corn - RR Barley - 2 Row Silage Corn	Variet Proc Applic Sensit	luct Application ation Type		v	Spra			gal V		
Field IDFarm Na867526Chenier867573Chenier1077211Chenier	r Farms Ochsner r Farms 13 r Farms west 7 - rrm East Fie	r E CropCare Id - Corn	Desc. Acres 150.79 65.21 63.99	Corn - RR Barley - 2 Row Silage	Proc Applic Sensit Applic	ation Type		▼	Spra	y Volume		gal V		
Field IDFarm Na867526Chenier867573Chenier1077211Chenier1024002CDN Far	r Farms Ochsnei r Farms 13 r Farms west 7 - rrm East Fie	r E CropCare Id - Corn	Desc. Acres 150.79 65.21 63.99 34.3	Corn - RR Barley - 2 Row Silage Corn	Variet Proc Applic Sensit Applic Applic	ation Type ive Area ator Name ator Comments	● No		Spra Appl	y Volume icator License No				
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Field ID     Farm Na       867526     Chenier       867573     Chenier       1077211     Chenier       1024002     CDN Far       1024002     CDN Far       dd Application     Close Wi	n to. ame Field Na r Farms Ochsnei r Farms 13 r Farms west 7 - irm East Fie irm East Fie	r E CropCare Id - Corn	Desc. Acres 150.79 65.21 63.99 34.3	Corn - RR Barley - 2 Row Silage Corn	e Variet Proc Applic Sensit Applic Applic Produ Type ir Field L	Ation Type ation Type ator Name ator Comments ct Product Name ist Field ID Far	No Ves     Cost/Unit     I	Rate Cc	Spra Appl Dost/Acre Material	y Volume icator License No Comments Acres		Pest PHI	• I	
867526     Chenier       867573     Chenier       1077211     Chenier       1024002     CDN Far       1024002     CDN Far       add Application     Close Wi	n to. ame Field Na r Farms Ochsner r Farms 13 r Farms west 7 - rrm East Fie rrm East Fie findow	me Legal r E CropCare ld - Corn ld - Soy	Desc. Acres 150.79 65.21 63.99 34.3 30	Corn - RR Barley - 2 Row Silage Corn	Proc Applic Sensit Applic Applic Produ Type in Field I	Attion Type ive Area ator Name ator Comments ct Product Name ist Field ID 867526 Che	No Yes Cost/Unit I V MName enier Farms	Rate Co Vac V Field Name Ochsner E	Spra Appl ost/Acre Material	y Volume icator License No Comments Acres 150.79	Target	Pest PHI	Apply to multive Vari	
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Field ID     Farm Na       867526     Chenier       867573     Chenier       1077211     Chenier       1024002     CDN Far       1024002     CDN Far       4dd Application     Close With       Update Events       Date     Image: Close With	n to. ame Field Na r Farms Ochsner r Farms 13 r Farms west 7 - rrm East Fie rrm East Fie indow Type Mechanical T Mechanical	me Legal r E CropCare ld - Corn ld - Soy	Desc. Acres 150.79 65.21 63.99 34.3 30	Corn - RR Barley - 2 Row Silage Corn	Proc Applic Sensit Applic Applic Produ Type in Field I	Ation Type ation Type ator Name ator Comments ator Comments ct Froduct Name ist Field ID 867526 Che 867573 Che 1077211 Che	No     Ves     Cost/Unit     I     T     Name enier Farms enier Farms enier Farms	Rate Co Vac V Field Name Ochsner E	Spra Appl ost/Acre Material	y Volume icator License No Comments Acres 150.79	Target	Pest PHI	Apply to multive Vari	
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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 <b>Field</b> Fleet Analyi	tics Workbench Data T	ransfer Console				L ↓ <sup>2</sup> ? 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		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 🗈 🖉 🖪 🕓		\$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 3-1	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		-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 Reco	mmendations	,		Total 87	-52-49-3-38.5Cl-0.2Zn				Brow	82.22		\$166.58	\$166.58	
Date	Type	minentiations	, 			2	Stage		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															
May. 29, 201 Acres: 65.21	7 12:00 PM - 01:00 P	М	Spray Vol	lume: 5 gal							26				
	Type: Ground						Product A	pplicatior	n						
Product				CP #		Cost/Unit	Application 1	Гуре	Ground	•		Cr	op Stage		
Sortan IS - (	2) IRANSORB HC - (9)			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		
							Applicator C								
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							Product		Cost/Unit	Rate	Cost/Acre M	laterial Con	nments Targe	t Pest PHI	REI
							Sortan IS		874 jug	▼ 🥰 80 ac/ju; ▼	10.93 0.	.82 jug			🔹 hours 🗈 🗖
							ROUNDUP TR			▼ 🥰 0.6€ I/ac ▼		3.04 l			🔹 📄 hours 💷 🚍
							Field ID Field		LLD Date - Start		Date - Er	nd	Acres		ind Sp Wind Dir
							867573 13	3	2017-05-29 1	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 ( $\bowtie$ ) 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		🖻 🖹 🍳 👯 9	
< Field /	Applications		🖳 +
-	13 Corn - RR - P7005, 2017-05-12 [544 D		65.21 ac 2018
Actuals			
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Are 12		P7005AM	RR 🗌
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Produ	ict		Balance	
AMS			9.99 lb	
Atrazir	ne 4L		-1,291.4	
Banvel 0				
Cletho	dim 2E		2.49 gal	
Dicam	ba		49.66 gal	
Dual M	lagnum		-10.02 gal	
Durang	<b>J</b> O		-52.67 gal	
Engeni	a		-309.31 gal	
Halex	ЭT		-84.05 gal	
Jet-Ag			30 pt	
LV 6			90.42 gal	
Liberat	to.		30 80 gal	
	Tap he	re to fill entire scree	n j	
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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 (<sup>2</sup>) 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

		Event Calendar	Fertilizer 📕 Product 📕 Ha	arvest 📕 Scout 📕 Fie	eld Veather/Irrigatio	n				
		<< <			Aug	ust 🔻 2018 🔻			> >>	
		s	м		т	w	т	F	S	
			29	30	31		1 2 entries Gravel P - Barley Russin L - Wheat	2	3 4	
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								Russin S - Wheat Barrys - Peas		
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		2 entries 2 Fields - glyphosate	19 6 entries 2 Fields - glyphos	20 2 entries sate 2 Fields -	glyphosate	/20/2018 Proc				
			3 Fields - Canol Joe's - glyphosa	la	2		y Category: Product		× Delete Se	elected Add New
		3 entries	26 4 entries			Category		Description	Field Name	
		3 entries 3 Fields - glyphosate		27 sate	28 2 entrie:	Product		glyphosate (generic) @ 1.1 l/ac	Joe's	🖋 Edit
						Product		glyphosate (generic) @ 1.1 l/ac	Dwayne Home Sec	🥒 Edit
5/2018 Entries	S				×	Product		glyphosate (generic) @ 1.1 l/ac	15	🖋 Edit
oduct Applicat	ion									
plication Type nsitive Area plicator Name plicator Commen	Ground No C		Crop Stage Spray Volume Applicator License No	gai V						
duct e in Product Name d List	Cost/Uni	I Vac V	/Acre Material Comments		REI hours					
Field ID 867526	Farm Name Chenier Farms	Field Name Ochsner E	Legal Desc. Acres 150.79	Crop - Desc	Variety					
867573 1077211 1024002	Chenier Farms Chenier Farms CDN Farm	13 west 7 - CropCare East Field - Corn	65.21 63.99 34.3	Corn - RR Barley - 2 Row Silage Corn	P7005AM					
1024002	CDN Farm	East Field - Soy	30	Soybeans						
	d Name LLD	Date - Start Date -	End Acres Weather	Temp Wind Sp	Wind Dir					
Add Application	Close Window									

#### 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

Zon	e Managemen	nt															Ø MANAG	E▼
r7on	ie 2.0															Add Zone		
	Zone Name				Ac	cres			% of Field		СРІ			Target Yiel	d Description		From Shape	file
	Zone 1				1	1.49			2.28 %		88.07			5	0	Draw Nev	v Zone	
	Zone 2				3	3.27			5.00 %		91.73			6	iO			
	Zone 3				5	5.35			8.19 %		96.53			6	8			
	Zone 4				7	7.79			11.92 %		98.87			7	0			
	Zone 5				33	3.93			51.91 %		100.78			7	2			
											103.10			7	5			
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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)

1	Product Applicatio	n										
A	pplication Type		Groun	nd 🔻				Crop Stage				
S	ensitive Area		No	○ Yes				Spray Volum	ne	5 gal	T	
A	pplicator Name							Applicator L	icense No			
А	pplicator Comments											
D	roduct		Cost/l	Unit	Rate	Cost/Ac	re Material	Comments	Target P	est PH	RE	
									Target P	ESC FII		
S	ortan IS		874		80 ac/ju; 1		0.82 jug	5			•	hours 🗉 🚍
	OUNDUP TRANSORB HC		6.13		0.66 l/ac		43.04 l				•	hours 🖪 🚍
	ield ID Field Name		Date - Sta	rt		Dat	te - End			ather Temp	Wind Sp	Wind Dir
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13 Corn - RR - P7005AM 2017-05-12 [567 DAP] Fri <b>30</b> <sup>Cr</sup>		1° Humid	dy 13km/h E lity 76% Prec 1°	cipitation 0%	ENE 8km/h	Tempera Min Max	ature	,	<i>′</i>			Hail Alert
			0°	0%	ENE 9km/h				•			There has been a hall event in your area.
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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

iu «c	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	
	Site 26	Test Sites	Test Sites	Wheat	107	1.9		2018-11-09	
Work Orders	Site 34	Test Sites	Test Sites	Wheat	92	10.4		2018-11-23	
	Terry_DadQuarter_2017_wheat	Megan	Megan	Wheat	No Data			Coming Soon	
rop Health	Site 13	Test Sites	Test Sites	Wheat	17	7.5	2018-05-05T11:48:20Z	2018-10-24	
	Site 15	Test Sites	Test Sites	Wheat	20	11.1	2018-05-04T11:59:46Z	2018-10-29	
quipment Activity	A5_subfield	Megan	Daniel	Corn	No Data			Coming Soon	
Harvest Summary	A5_subfield	Megan						Coming Soon	
narvest summary	Site 1	Test Sites	Vegetation Inc	dex Site 1		×	2018-05-04T00:00:00Z	2018-11-17	
arm Calendar	Site 3	Test Sites						2018-11-26	
	Site 4	Test Sites	1					2018-11-22	
	Terry_Kilman_Peas_2017	Megan	120 -					Coming Soon	
			100 -						
Syncing turned off Last 24 hours			100 - 80 - 100 - 40 - 20 -		2018-07-11				

#### 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

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	Field Details # 723653								
SIS	Field Name	Melvin's		ADS Field ID	723653	FSA #			
leather	Legal			# Acres	148.06	Irrigated	No		
Veather	Crop	Alfalfa		Variety		Seeded Date			
Vork Orders	Target Yield			Actual Yield		Harvest Date			
ontorders	Notes:								
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	Seed						28		
ab Data	Date Crop Type	\ \	/ariety	Germ.	Mortality Seed Plan	nts Rate Comments	Acre	5	
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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
- (
  <sup>[]</sup>) Product application report. Only active if recommendations are made
- (<sup>1</sup>) 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.)



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< Produ	ct App Recomm	endation	
	<b>Melvin's</b> Alfalfa Not Seeded		148.06 ac 2018
Sug- gested	Nov 02	Expiry Date	Nov 02
Crop Stage	:	Acres	
Application	0	Applicator	
Comments			
Product	S	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

Erimble. Farm Field	Fleet Analytics Data Tra	ansfer Console				💄 🌲 ? 🏢
2018 👻 Jump to field 👻						
Menu «	All Planned In Progress	Done				
Field Profiler	Q FILTER BY → ③ CLEAR F	Active Filter				+ ADD
	Field	V Planned Date	Operation	<ul> <li>Name</li> </ul>	~ Area	v Status v
🐣 🛛 Farm Map	Ochsner E	02/06/2019	Other	scouting	150.79ac	Planned
🕼 Crop Planner	13	02/06/2019		scouting	65.21ac	Planned
	14	02/06/2019	Other	scouting	36.34ac	Planned
🖅 Work Orders	west 7	02/06/2019	Other	scouting	63.99ac	Planned
	Ochsner E 1 - Corn	02/06/2019	Other	scouting	100ac	Planned
Equipment Activity	14	01/23/2019	Other	Scouting	36.34ac	Planned
₭ Harvest Summary	west 7	01/23/2019	Other	Scouting	63.99ac	Planned
Max Horesto Samuely	Ochsner E	01/23/2019	Other	Scouting	150.79ac	Planned
🖬 Farm Calendar	13	01/23/2019	Other	Scouting	65.21ac	Planned
	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
	Ochsner E	05/07/2018	Spraying	test	150.79ac	Planned
						·
					Total: 1,465.33ac	
Syncing turned off	Page FIELDS	Planned <b>Scout</b>				1 - 15 of 15 items
S)				e.		
<i>י</i>	Summary Totals					
erhart Farms Inc.	14		Equipment (0) Operators (0) Rest	rictions		
nt Chenier	Brent Chenier : Chenie 36.34 aC		*		combine 1	
ig	02/22/2019 8:00	:00 AM Operation		Manage Operation Types		
ueu	<b>500</b> Brent Chenier : Chenie 7.28 ac	r Farms Crop		• <b>+</b>	Budgeted Time	0.00 hrs
	02/22/2019 8:00	MA 00:				
		Planned Date/Tin			Cost	\$0.00 / hr
		Expiration Date/Tin	02/22/2019 8:00 AM			
		Ar	28	36.34 ac		
		Commer	ts			CANCEL SA

#### 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 <b>Name</b>			
<b>10</b> 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	<del></del>

FIELDS	Planned <b>Name</b>							Restrictions		×
<b>10</b> Brent Chenier : Farm 1 51.28 ac 02/22/2019 8:00:00 AM	General Materials (0)	Equipment (1) Operators (1)	Restrictions					Minimum Temperature		°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

< Fert	ilizer	ഥி\$ 💐 ଛି ୱିଲ.ଣ 79% 🛢 12:54 PM	
Fertilizer <sup>a</sup>	•		R
46-0-0			2
Pass #		Tank #	
1		1	
Placemen	t	Туре	Z
		Dry	
Area Appl	ied	Cost/Unit	
108.16	ac	\$ 350 T	
🔿 Fla	t Rate	Variable Rate	
Rate		Quantity Used	
257.57	lb/ac	13.94 T	
	In-S	eason Zones 🛛 🗸	
Zone	Rate	Units 🗸	
1	100	lb/ac	
2	200	lb/ac	
3	300	lb/ac	C
4	400	lb/ac	
	Tap he	re to fill entire screen	<u>_</u>
	2	G (	



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	<ul> <li>Financial Access</li> <li>Organization Administr</li> </ul>	ator		
Last Name	Chenier	<ul> <li>Operator Manager</li> <li>Mobile Only</li> </ul>			
Job Title		<ul> <li>Time Tracker only</li> <li>Limited web access, no mobile</li> </ul>			
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
					CANCEL SAVE

C Time Tracker		🎝 占 🖊
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			± 🏚 🥥 🏢				
Menu <<	Search GOI	Nov 01, 2018	節 Nov 30, 2018 節	Timesheets •					
🗐 Profile	Time Tracker		I, 2018 - Nov 30, 2018						
2	Name         Brent Chenier         David Fakename         Stelect         Brent Chenier         Start         2/28/2019 10:57:42 AM	<ul> <li>×</li> <li>Im ⊙</li> <li>CANCEL SAVE</li> </ul>	Description Total Period Time Tracker - User Map & Details Time Tracker -	Total Hours Worker 361.81 I	Hours 378.81 15.51 394.32				
Client: Brent Chenier Year: 2019		Tin	ne 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 (<sup>**C**</sup>) next to the application



# **Online | Harvest Data / Profit Maps**

#### FARMER PRO ONBOARDING

Menu «													A			
	2017 Harv	est Summarizer								Search Field	ds Cr	op - All 🔻	Group By Farm(s) 🔻			
Field Profiler													SAVE CHANGES			
🖇 Farm Map	Field ID	Field Name	Crop - Desc Variety	Seeded Acre	es Harvest	Date	Acres Actua	l Yield	Total Yield	C	omments	>> Sale Price				
Crop Blappor	893728	Adel Pork - Corn		100				•	· · ·							
Grop Planner	893728	Adel Pork - Soybeans	Strimble. Compar	w Earm	Field Fl	oot Applytics	s Workbench	Data Transfor	Console							± 🏚
Work Orders	893729	Anderson's	Demo Farms - 2017 -			eet Analytic	S WORDENCH	Data Hansier	CONSOLE							- <b>-</b>
-	893730	B.K. Home SO.		13 •												
Equipment Activity	893731	B.K.& Merical	Menu	~<												Harvest
Harvest Summary	893732	Blake's	🕇 Back	ŀ	larvest Summary	,										
	893733	Boyer	CT DUCK		Yield Data							Yield Map				
Farm Calendar	893734	Brodericks	Overview		Harvest Date	10/25/2017	Ē	Acres	65.35			A				
Farm Nutrient Manager	893735	Bruce Kent	🗰 GIS		Actual Yield	69.37 bu/ac		Total Yield	4533.40	ou 🔻			_			
	893736	Butterbaugh	J GIS		5ale Price Comments	3.45		% Moisture				2	<u>85</u>			
	893737	Callan	🛎 Weather		SAVE YIELD	MAP PDF PRO	OFIT MAP PDF		Field Area: 65.21 a	ac Target Y	<b>/ield:</b> 65 bu/ac	ē	Y	- · · ·	<b>1</b>	
	893738	Carter's	E with the t							0-7				A COL	1000	
	893739	Charlie's	Work Orders		Filename				Тур						05/20	
	893740	Chew	Equipment Activity			arms-Chenier Farms			Yiel		2018 8:34 AM		20	-	1	
	893741	Connollys			Profit-Demo	Farms-Chenier Farm	<u>s-13-2017.pdf</u>		Pro	fit 10/31	/2018 8:42 AM	- 1st. Ave	<u> </u>			
Syncing turned off			📥 Lab Data		DELETE									in the second second	bing	
Last 24 hours			👼 Soil Analyzer		ield By Zone Zon							Yield (bu/ac)			- 2010 /18/060	
						Acres CPI 1.49 88.07		Yield 76.81	Cost \$156.71	CPUP \$2.04	Profit \$108.28	22.6 - 55.7	55.7 - 66.2	66.2 - 73.3	73.3 - 78.7	78.7 - 83.9
			🖳 Field Programmer			3.27 91.73		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			5.35 96.53	65.00	92.57	\$156.71	\$1.69	\$162.65	Bin Profiler				
						7.79 98.87		88.96	\$156.71	\$1.76	\$150.21	Source L	ocation		Amount	Time 0.00
			🕂 Harvest Data			33.93 100.78 13.53 103.10		77.43 86.12	\$156.71 \$156.71	\$2.02 \$1.82	\$110.42 \$140.42					
						36 ac 99.94		82.10 bu/ac	\$156.71/ac	\$1.92	\$126.55/ac					
			Syncing turned off Last 24 hours												-9	
			Last 24 hours						© 2011 - 2018	TRIMBLE, INC. ALL R	IGHTS RESERVED. TERM	S OF USE   TERMS OF SALE	PRIVACY			
m 7																
ер2 —																
			Field	Zone	S											
												-	~			
		$\frown$	Zone I	Vame:	Zone Sa	mple 1				Nut	rient Zo	ne: 🔍	No 🖲 Ye	S		
ONES	- 🚔 🔁	i 🛛 🍌 🕤 l	<u> </u>										-		SAVE	
			🐃 Zone		Color	Zone	e Name				F	cres	Target Yie	ld	SAVE	
ONLO																
01125																

- 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		<b>Crop:</b> Corn					٥
🕇 Back		44.4 Acres			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		~ <b>]</b> ,	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			View Report Edit Delete	
⊙ More		MAIN ST	ATION enier - Core			End 05/13/2016 1:00 2.6	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					
		Comme	ents:				- 1			
				llastanas	Actual Data					
		Seed	Variety	Hectares	Actual Rate	Quantity Cost/l				

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 🌍 I	Map 🛛 🎇 Wea	ther 🗎 連 🛛 Invoices 🗎 📚	Online		
		Direction Upload Only Conflicts Use Desktop (local) Sync retired resource Sync boundaries Skip confirming client Skip confirming supp V Upload task resource	ts/farms/fields/crops lies/equipment/people			View Job Nam Planting Harvest	5/1	7/2018 Trimble Client -	Fam Trimble Fam		
	😓 Weather 🛛 連	2	- User Login	French IV.					1		
	rin	<b>ble</b> .			lissa_tullis@ T Training Ot	her Accounts		Log Out Change O		Trimble Ag Software Online	
Online Sync											
Status Pending sync	Job Name Harvest	Date 9/30/2018	Client Trimble Client	Farm Trimble Farm -	Field		Year 2018	🛃 Opt	ions		
1 Pending sync	Planting	Linker : Clients           Desktop Resources           Timble Client - Desktop -> < Upload >	Online Resources <ul> <li>Upload &gt; Chris Soules</li> <li>CSU</li> <li>Demo Client FARMER BOB JD Client USSEPH KOEHL MILLERS Neare Customer1 NCDA Pater Family Famis</li> </ul>			14 - Desktop	2018	Synchroni Trimble Ag So	ze to Web ftware On	Synchronizing operation types Downloaded: 0 Uploaded: 2 Synchronization successful.	Save Log
			<- Link ->							Synchronization complete.	• •

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 ¥ 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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