



## **WEB APP GUIDE**

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## **WEB APP GUIDE**

This document guides users on the setup, use and features as well as options for data export within the FarmTRX Web Application (Web App). The Web App is the location where all synced yield data will appear once an account has been registered and field boundaries have been drawn or imported and yield data is uploaded via the FarmTRX Harvest Mobile App.

The FarmTRX Web App uses a powerful data processing engine to automate the production of several precision yield maps including a moisture map. Yield data is automatically cleaned, filtered, corrected and normalized to give an accurate representation of total field variability. Automatic generation of yield maps is included for the first year after purchase of the Yield Monitor, after that the optional automatic yield mapping service is based on an annual per-acre fee. Access to unfiltered yield data and the ability to export it is always free to the user.

# GUIDE CONTENTS

Steps to Getting Set Up: .....	3
Account Registration on the Web App .....	3
Draw, Import and Edit Field Boundaries .....	6
Log into the Harvest Mobile App .....	6
Sync Yield Data .....	8
Post-Harvest Calibrate .....	8
Web App Map Types .....	9
Interpreting the Yield Map .....	10
Modify Farm Setup: .....	13
Edit Crops, Headers and Equipment: .....	13
Add a Crop Variety .....	13
Changing Units .....	14
Changing Field Names .....	14
Dual-Screen Comparison .....	14
Data Export .....	15
Reporting.....	17

# STEPS TO GETTING SET UP

## Account Registration on the Web App

If your farm is located in Europe, the Middle East or Africa visit [eu.farmtrx.app](https://eu.farmtrx.app) to register. All other locations will register at [web.farmtrx.app](https://web.farmtrx.app).

1. Register for a Web App account by inputting contact information.
2. Enter account details and select preferred units of measurement.
3. Add and select the equipment you will be using at harvest.

NICKNAME	EQUIPMENT TYPE	MAKE	MODEL	YEAR	
CX	Combine	New Holland	CX8080	2011	

Add Equipment +

Back Next ->

4. Add and select the combine headers you will be using at harvest. This includes all headers that will be associated with the farm account.

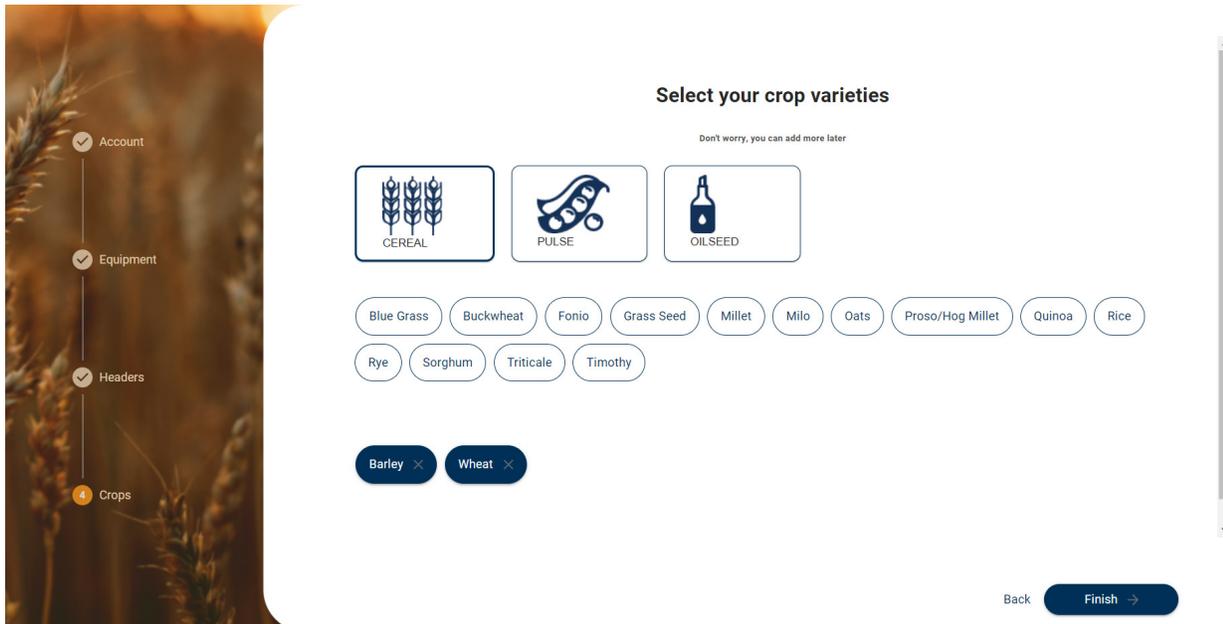
NAME	CUT WIDTH	UNITS	
Flex Head	35 0	Feet/Inches	

Add Headers +

Back Next ->

5. Select the crop varieties you will be harvesting, click on “cereal”, “pulse” or “oilseed” tabs to view more crop varieties under each category.

Users can add another crop variety that does not appear on the default list. Complete the setup portal to the best of your abilities and then add the missing crop variety from within the Web App. Go to page 13 of the guide to find instructions of Adding a Crop Variety.



## Draw, Import or Edit Field Boundaries

To draw field boundaries, click the + icon in the left-hand sidebar to create the field and assign it a name. To begin drawing click the  icon and choose from the available drawing tools. Once the field is defined, press  to save the boundary.

### Example Farm

Fields +  

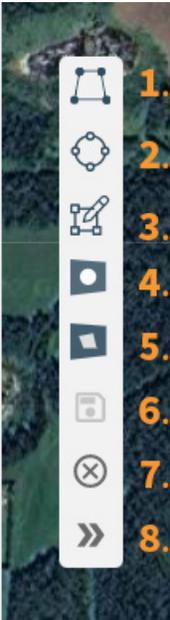
2022
▼

All Crops
▼

▲ Field One (0)



No Boundary found

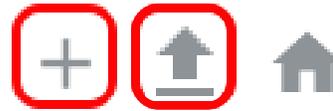


1. Draw Polygon - draw custom field shapes using anchor points
2. Draw Circle - best for center pivot fields
3. Edit Boundary - edit a drawn boundary
4. Draw Circular Hole
5. Draw Polygon Hole
6. Save
7. Cancel
8. Collapse

To upload field boundaries as .shp files, click the  icon and select the appropriate files from your computer. Press  to save the boundary.

## Example Farm

Fields



To edit field boundaries click the  icon, then  icon. Press  to save the boundary.

## Example Farm

Fields



▲ **Field One (0)**  

 No harvests for this field



Use the search fields to filter out the created fields by name, year or crop type.

## Example Farm

Fields



▲ **Field One** (0)  

 No harvests for this field

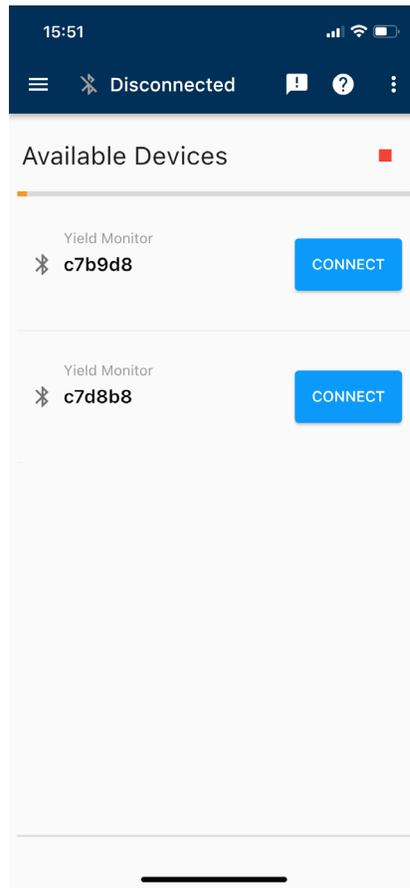
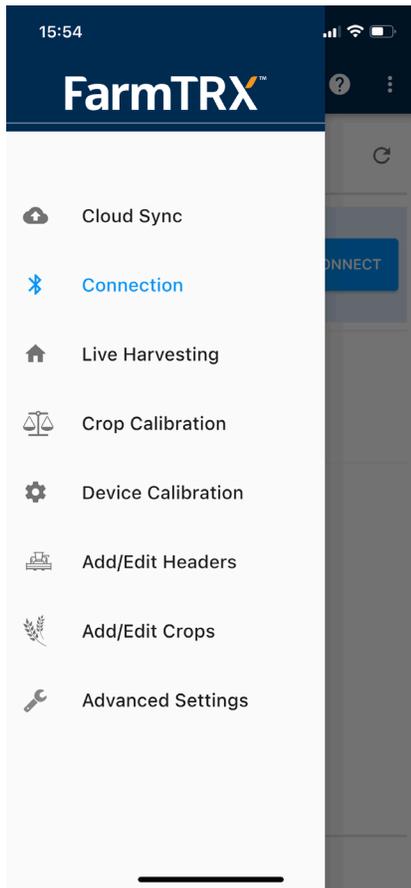


Field boundaries can be customized at any time and should be reviewed yearly to confirm the area harvested is accurate.

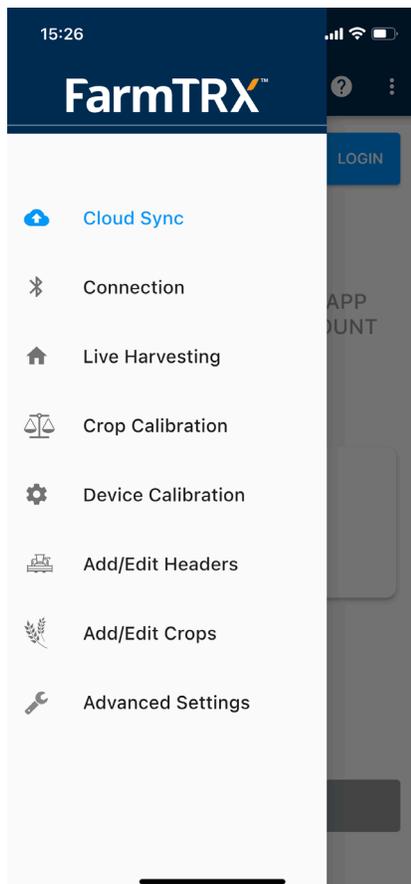
### Log into the Harvest Mobile App

On your mobile or tablet device, make sure you are running the latest version of the FarmTRX Harvest Mobile App available for download on the [Apple App store](#) or [Google Play store](#).

1. Connect to the Yield Monitor in the App by navigating to the Connection page from the main menu. Select the Yield Monitor device you are using and press “Connect”. If it does not appear, ensure the Yield Monitor is powered on, or try toggling Bluetooth on and off in your phone settings.



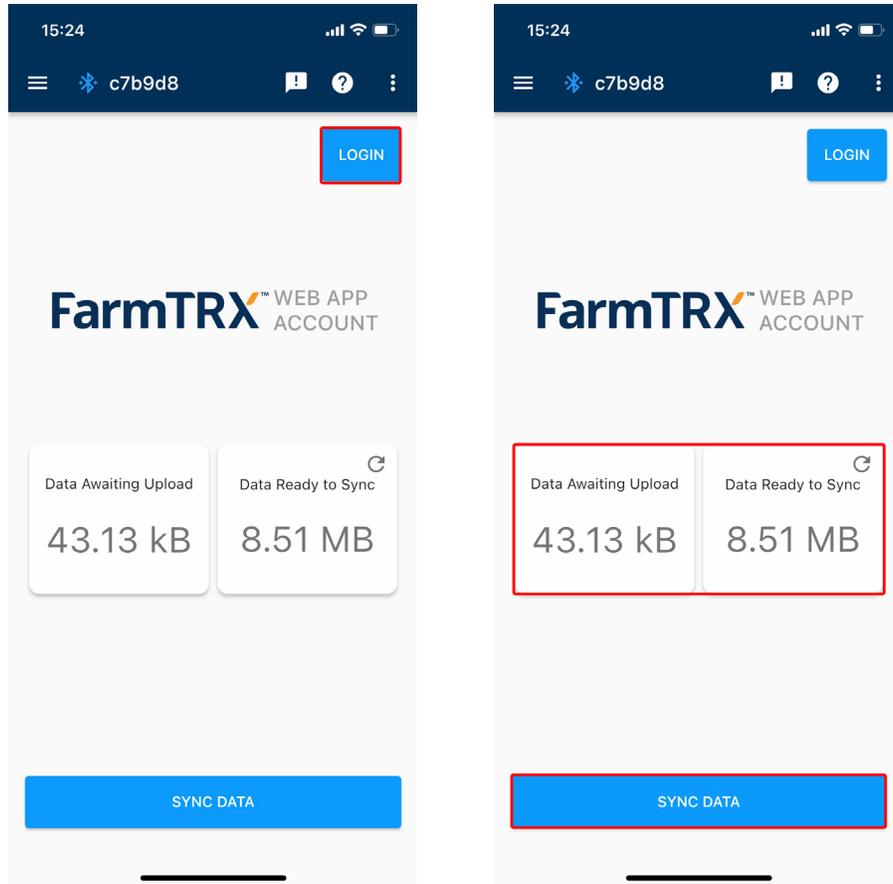
2. Navigate to the Cloud Sync page of the main menu.



3. Login to your FarmTRX account by clicking the Login button. Use the same credentials (email and password) as entered in the Web App in the steps described above. By logging in through the Mobile App you connect the appropriate Web App account with the Yield Monitor.

## Sync Yield Data

1. If the value displayed under “Data Awaiting Upload” is greater than 0.00 there is yield data awaiting upload to the Web App for processing. Yield data can be synced at the convenience of the farmer using WiFi or mobile data. Click “Sync Data”.



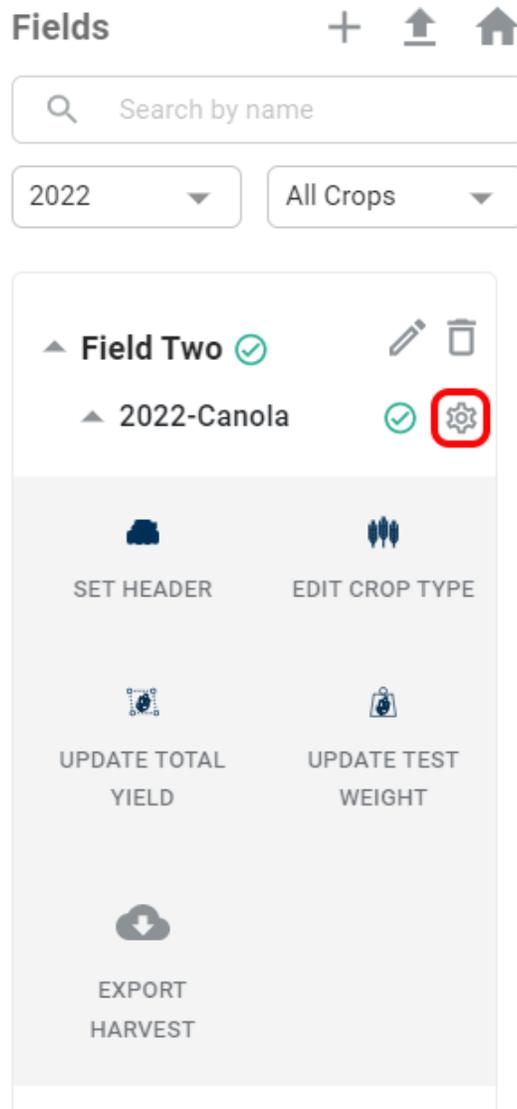
2. Upon completion of data sync, yield data will appear in the Web App sorted under the appropriate field boundary. If the user holds an active subscription, several map types will display underneath the field name showing the automatically processed harvest date. If the Web App subscription is not active, raw yield data points and a raw yield map will display.

## Post-Harvest Calibrate

If the user did not calibrate before harvesting, or made a miscalibration or crop selection error, it can be adjusted in the Web App after harvesting. When powered, accurate relative differences in yield is always being recorded by the monitor while at harvest. Post-calibrate the yield data from within the Web App to get accurate yield maps by doing the following:

1. Select the appropriate field and harvest.
2. Click the ⚙️ icon to view yield data options.

## Example Farm



3. Make changes to the header, crop type, total yield or test weight by clicking the appropriate tab. The maps will be regenerated within minutes to hours accounting for the new information.

### Web App Map Types

The Web App provides 9 different outputs to visualize yield and moisture data. Here are the options you will see under each field name:

Boundary – The boundary marks the extent of your field. All recorded yield and moisture data is sorted into the field boundary upon upload. If you want to keep yield data from a certain part of the field, like a test plot, draw smaller sub-field boundaries within larger ones to get separate yield maps for both.

Raw Yield Points – The raw yield points show every point collected by the Yield Monitor while combining. Different point colors represent different harvesters operating the FarmTRX Yield Monitor. In this view raw yield points have yet to be corrected so any miscalibrations, headland turns, unloading points or partial rows are included.

Raw Yield Map: The raw map is the interpolation of the raw yield points. Areas where false yields may have been recorded will show up in this map.

Corrected Yield Points – The corrected yield points show the individual data points generated by the Yield Monitor at harvest with auto-correction and point cleanup applied. FarmTRX automatically detects and adjusts anomalous data points to produce an accurate representation of yield.

Corrected Yield Map – The corrected map is an interpolated map based off the corrected yield points. The map is a continuous grid surface, color shaded to indicate relative high and low yield areas.

Classified (Zoned) Yield – The classified map separates yield performance into 5 classes or “performance zones”. Each class makes up a twentieth percentile of the total harvested field area ranging from lowest to highest.

Trend of Yield – The trend map reveals general yield trends by taking out smaller local variations.

### **Interpreting the Yield Map:**

To view yield maps for a field, select the field name in the left-hand column. Click a data layer under “Boundary & Points” or “Maps” to view the data layer.

Views of the yield points will use different colours to represent different harvesters equipped with a Yield Monitor.



A dialogue box will appear under the map showing Agronomic Layer Data.



The Field Area value is the amount of area captured within the drawn or uploaded Field Boundary. The Harvested Area describes the amount of area, within the field boundary, that was harvested. Therefore, the Field Area value may be greater than the Harvested Area value.

Agronomic Layer Data			
Field Name:	Field 2	Field Area:	188.91 acre
Crop Type:	Barley	Average Yield:	37.36 bu/ac
Total Yield:	7057.91 bu	Start Date:	2021-09-08
		Harvested Area:	188.16 acre
		Harv. Avg. Yield:	37.51 bu/ac
		End Date:	2021-09-12

Start Date describes the earliest date that yield data was recorded for the field. The End Date describes the latest date that yield data was recorded for the field.

Agronomic Layer Data					
Field Name:	Field 2	Field Area:	188.91 acre	Harvested Area:	188.16 acre
Crop Type:	Barley	Average Yield:	37.36 bu/ac	Harv. Avg. Yield:	37.51 bu/ac
Total Yield:	7057.91 bu	Start Date:	2021-09-08	End Date:	2021-09-12

## Point or Area Inspection

See the isolated data for an area within a field boundary by using the Point Inspection or Area Inspection tools.

1. Click the  icon or  icon to inspect isolated yield data points, or data of an isolated area of points.
2. To inspect a point, click within the field boundary a point you would like to inspect.



3. To inspect area, draw a section within the field boundary you would like to inspect.



## Modify Farm Setup

Navigate to the Farm Setup tab in the Web App to see your account settings and modify farm information.

### Edit Crops, Headers and Equipment:

1. Under Farm Setup click on “Crops”, “Headers” or “Equipment” to see a list of all crops, headers and equipment added to the Web App account.
2. Click the  icon to edit information.

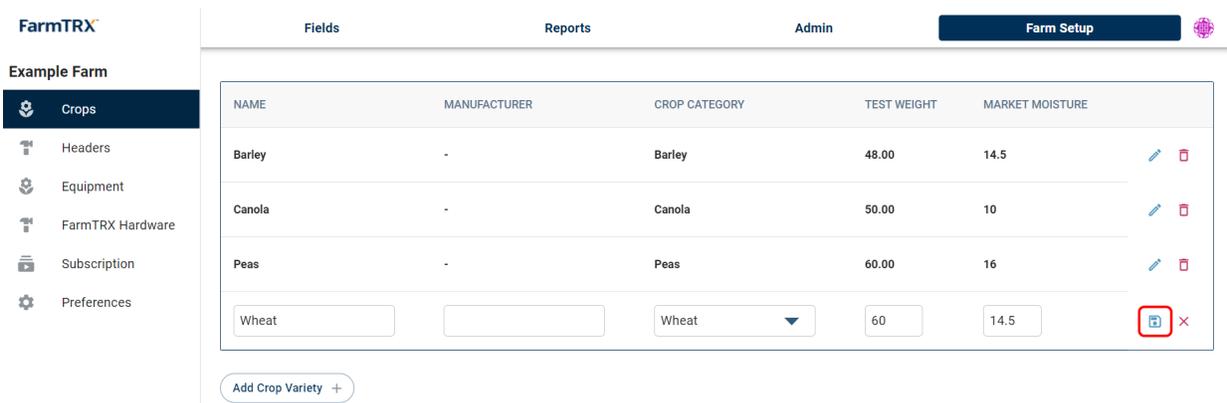


The screenshot shows the Farm Setup page with a sidebar on the left containing navigation options: Crops, Headers, Equipment, FarmTRX Hardware, Subscription, and Preferences. The main content area has tabs for Fields, Reports, Admin, and Farm Setup. A table lists crops with columns for NAME, MANUFACTURER, CROP CATEGORY, TEST WEIGHT, and MARKET MOISTURE. Each row has an edit icon (pencil) and a delete icon (trash). A red box highlights the edit icon for the Barley row.

NAME	MANUFACTURER	CROP CATEGORY	TEST WEIGHT	MARKET MOISTURE	
Barley	-	Barley	48.00	14.5	 
Canola	-	Canola	50.00	10	 
Peas	-	Peas	60.00	16	 
Wheat	-	Wheat	60.00	14.5	 

[Add Crop Variety +](#)

3. Click  to save changes.



The screenshot shows the Farm Setup page with the same sidebar and tabs. The table now includes a new row for adding a crop variety. The columns are NAME, MANUFACTURER, CROP CATEGORY, TEST WEIGHT, and MARKET MOISTURE. The new row has input fields for each column: a text field for NAME (containing 'Wheat'), a text field for MANUFACTURER, a dropdown menu for CROP CATEGORY (set to 'Wheat'), a text field for TEST WEIGHT (containing '60'), and a text field for MARKET MOISTURE (containing '14.5'). There is a save icon (floppy disk) and a delete icon (trash) for this row. A red box highlights the save icon.

NAME	MANUFACTURER	CROP CATEGORY	TEST WEIGHT	MARKET MOISTURE	
Barley	-	Barley	48.00	14.5	 
Canola	-	Canola	50.00	10	 
Peas	-	Peas	60.00	16	 
<input type="text" value="Wheat"/>	<input type="text"/>	<input type="text" value="Wheat"/>	<input type="text" value="60"/>	<input type="text" value="14.5"/>	 

[Add Crop Variety +](#)

## Add a Crop Variety

1. Click “Add Crop Variety” from within the Farm Setup page.
2. Add the appropriate crop category, test weight and market moisture.

NAME	MANUFACTURER	CROP CATEGORY	TEST WEIGHT	MARKET MOISTURE
Oats		Oats	36	13.5
Barley	-	Barley	48.00	14.5
Canola	-	Canola	50.00	10
Peas	-	Peas	60.00	16
Wheat	-	Wheat	60.00	14.5

3. Save crop by clicking .

## Changing Units

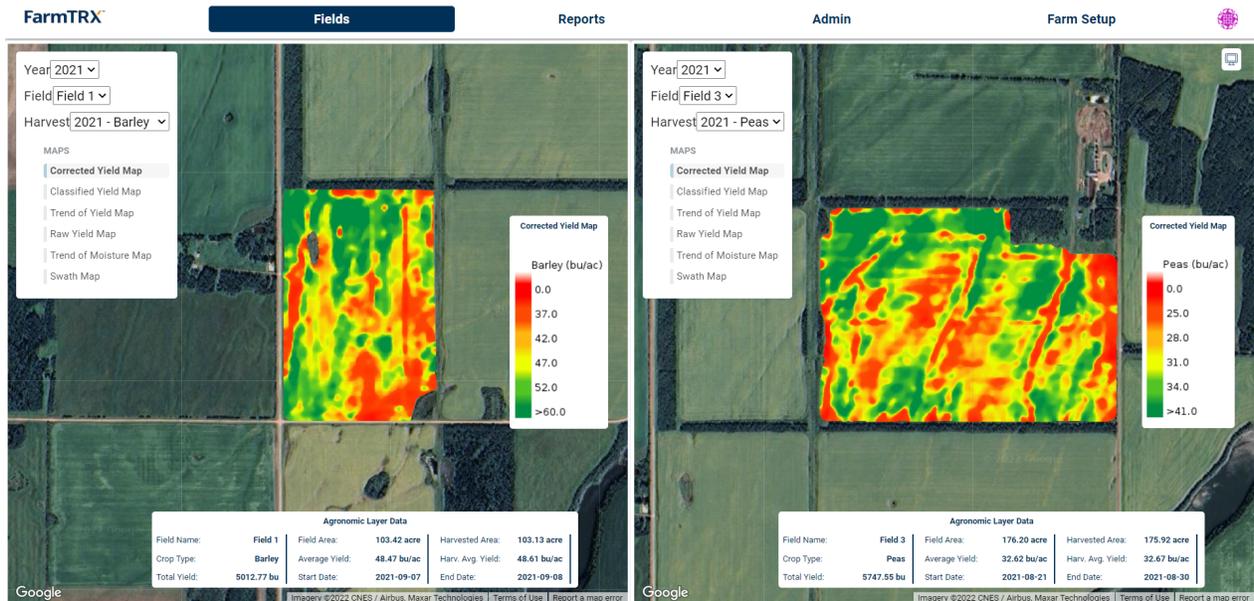
1. Under Farm Setup click “Preferences”.
2. Change units by selecting from the drop-down menu.

## Changing Field Names

1. To change a field name click the  icon next to the original field name.
2. Click the current field name.
3. Input new name and click  to save. Refresh the page if new name does not immediately appear.

## Dual-Screen Comparison

Compare yield maps and yield data within the same screen by clicking the  icon.



If viewing the same field, lock or unlock one or both screen views by toggling the icon. To return to a single screen display, click on the .

## Data Export

Raw, uncorrected yield data is always available for all users, whether they have an active subscription to precision yield mapping or not.

1. Click the field name and harvest intended for data export.
2. Click the icon and select “Export Harvest”.

**Example Farm**

Fields +

Search by name

2021 ▼ All Crops ▼

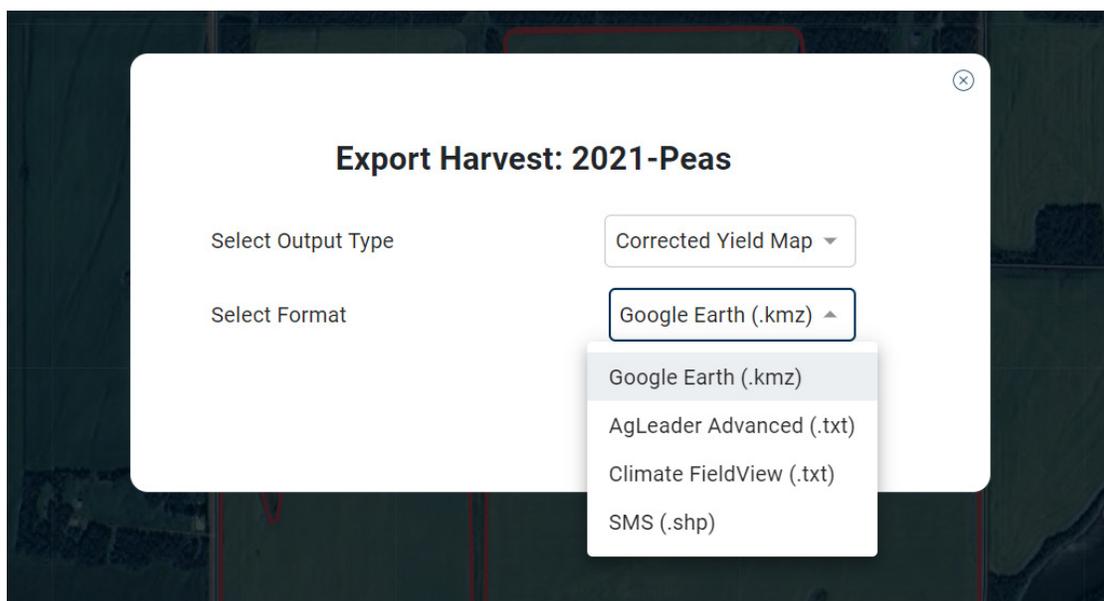
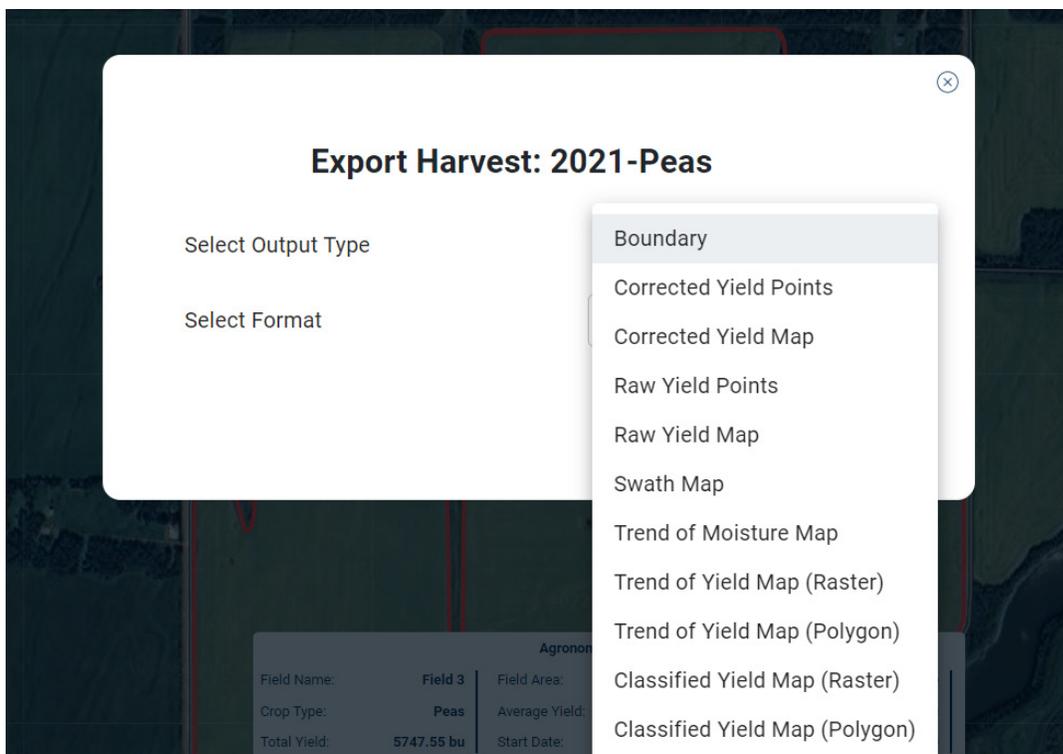
- Field 1 (1)
- Field 2 (1)
- Field 3
  - 2021-Peas

SET HEADER EDIT CROP TYPE

UPDATE TOTAL YIELD UPDATE TEST WEIGHT

**EXPORT HARVEST**

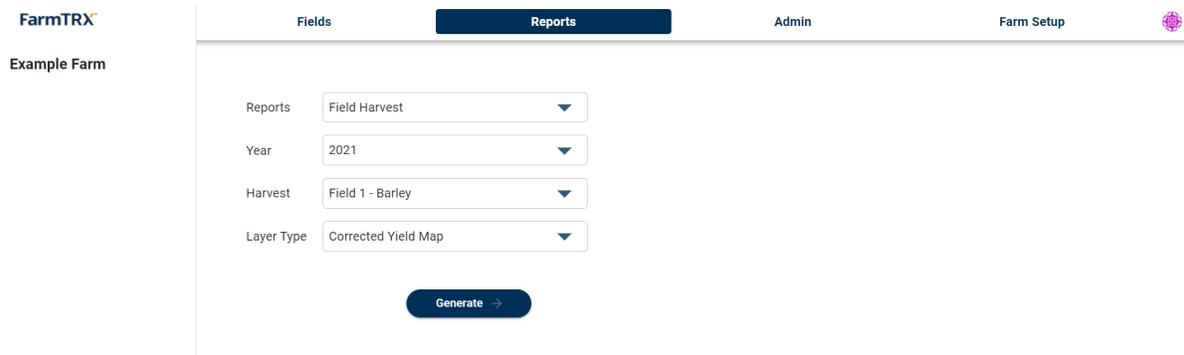
3. Select the desired output type and format for export and click “Export”.



## Reporting

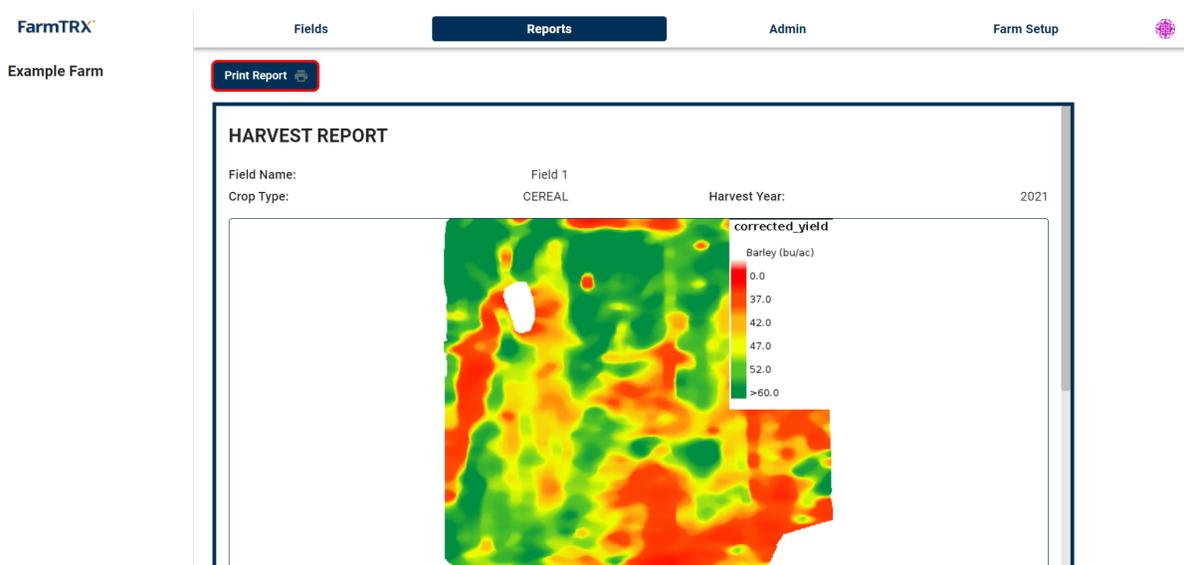
Under the Reports tab, users can filter the account harvest data to generate a report by field, by year and by layer type.

1. Click Reports.
2. Filter by report type, year, harvest and layer type.



The screenshot shows the FarmTRX interface with the 'Reports' tab selected. On the left, the 'Example Farm' logo is visible. The top navigation bar includes 'Fields', 'Reports', 'Admin', and 'Farm Setup'. The main content area contains four dropdown menus for filtering: 'Reports' (set to 'Field Harvest'), 'Year' (set to '2021'), 'Harvest' (set to 'Field 1 - Barley'), and 'Layer Type' (set to 'Corrected Yield Map'). A 'Generate' button with a right-pointing arrow is located below the filters.

3. Click “Generate” to create the report.
4. Print or save report by clicking “Print Report”.



## Contacting Support

Do not hesitate to contact support with further questions. Reach our team by email at [support@farmtrx.com](mailto:support@farmtrx.com) or by phone at 1-800-991-5136.