Farm Map

Upon signing into FarmENGAGE, you will see the “Map” page as your home page. The map in FarmENGAGE gives you a real-time, visual overview of your entire operation, helping you quickly see fields and crop zones, vehicle locations, and job progress all in one place. It also serves as a central navigation hub, allowing you to click directly into field manager, crop zone activities, and fleet to access additional pages and detailed information throughout the site.

PTx Trimble

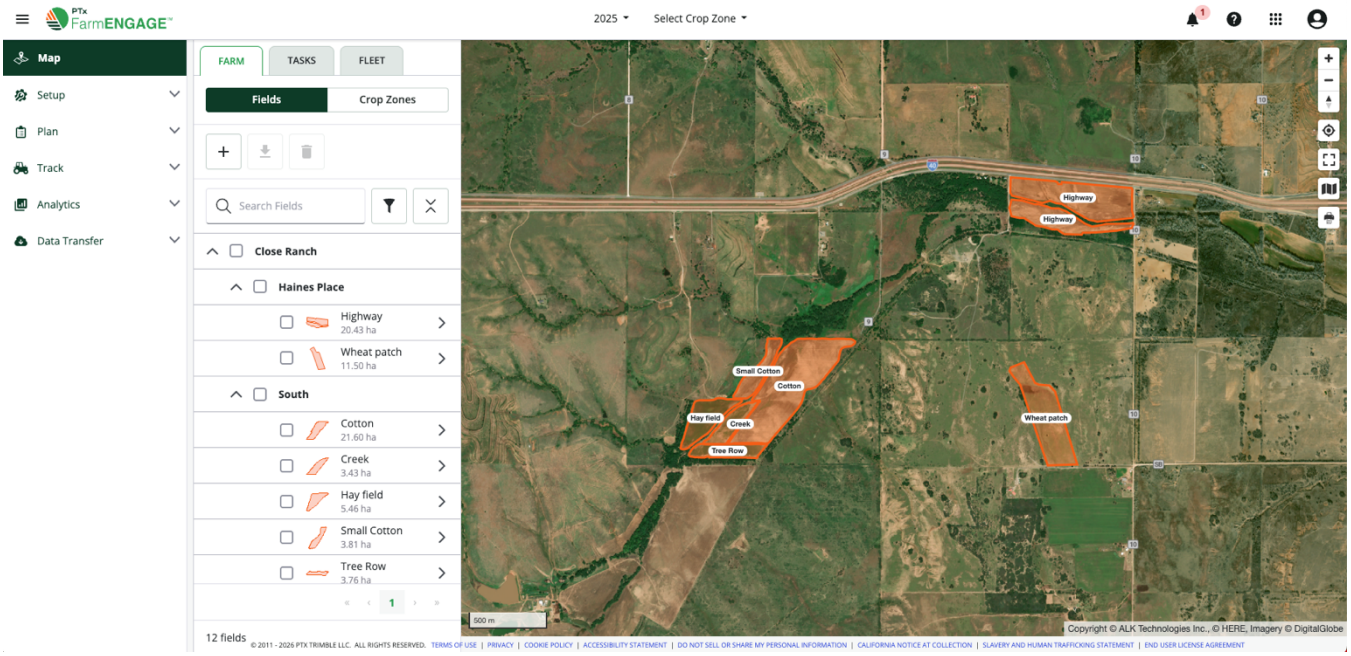
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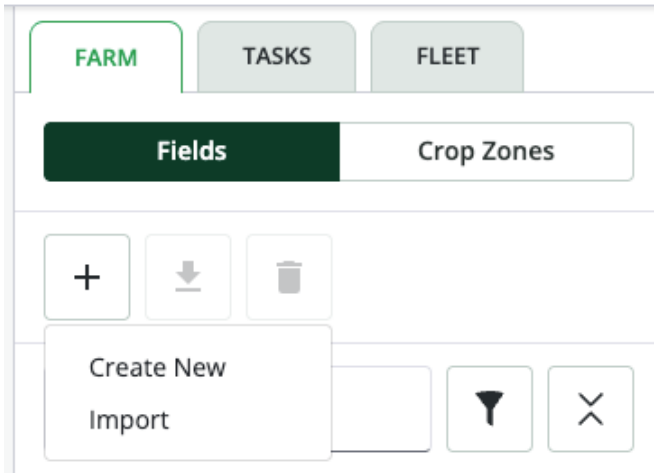
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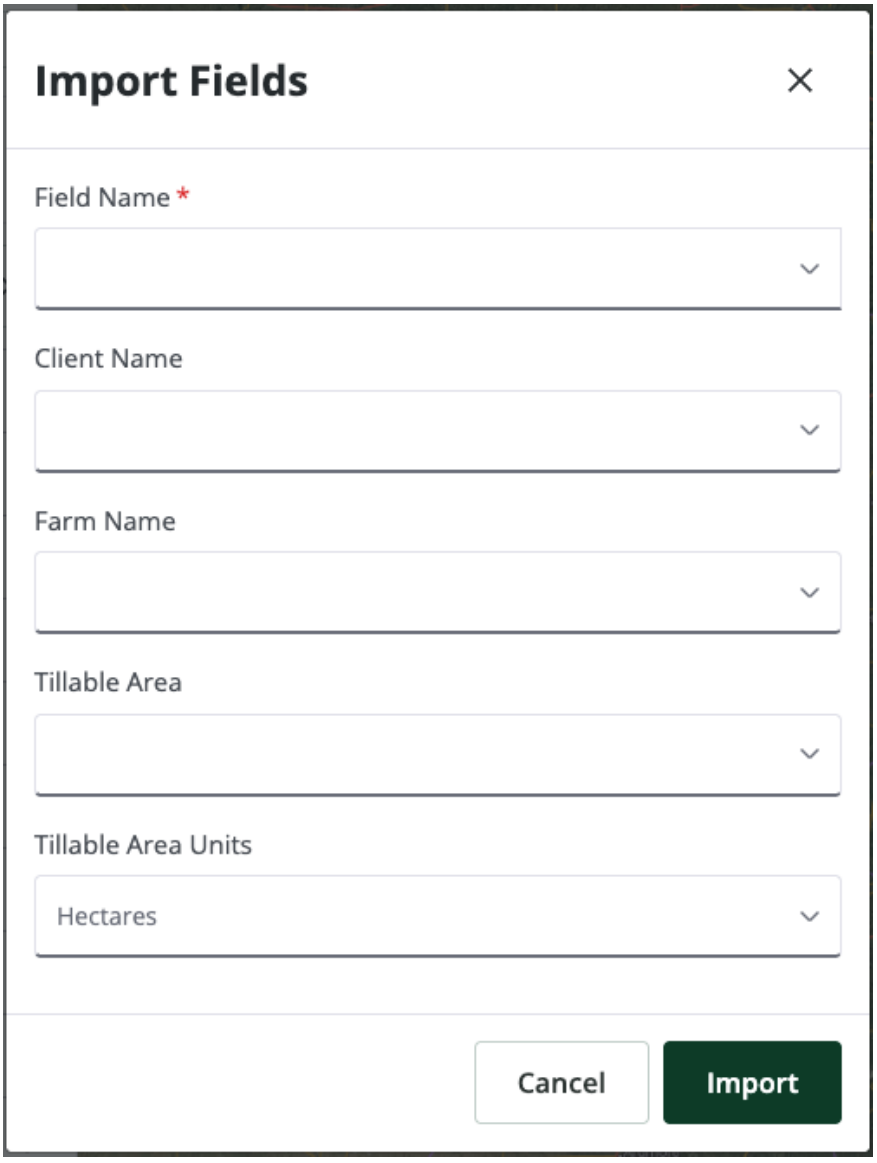
Fields



Add Fields

1. Tap on the '+' button
2. Create New
    a. User will be redirected to the New Field creation workflow via Field Manager
    b. Enter desired Field details and Save
    c. After the field is created the user is redirected back to Farm Map
3. Import
    a. Import field via the import dialog
    b. Select shapefiles, .kml or .kmz files to import
        i. Select shapefiles requires three file types: .dbf, .shp, and .shx; .prj is also recommended
    c. Choose the column from the shapefile for each data field you want to import
    d. The Field will be added to the fields list and map




Import Fields
Field Name *
Client Name
Farm Name
Tillable Area
Tillable Area Units
Hectares
Cancel
Import

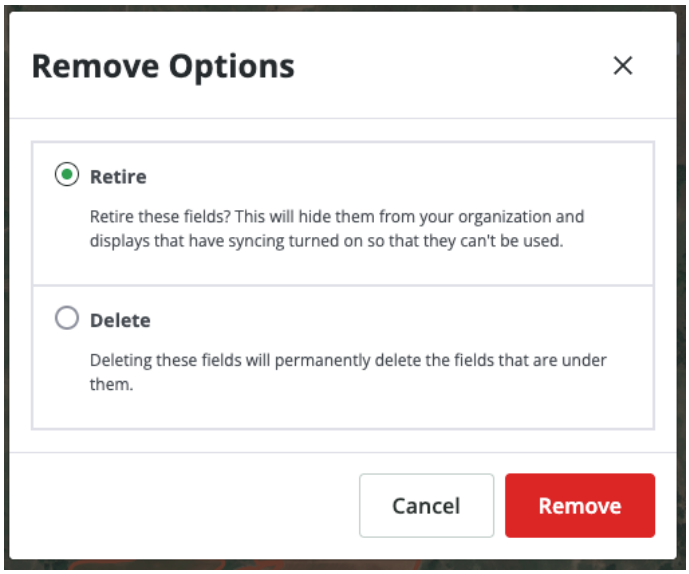
Download Fields

1. Check at least one field in the list
2. Click the download button
3. Select the file type to download (.shp or.kmz)
4. File will be downloaded to your local file browser

Note: Client and Farm are attributes of the fields

Retire Fields

1. Check at least one field in the list
2. Click on the trash can icon
3. Verify that you would like to retire the selected fields
4. Click Remove button

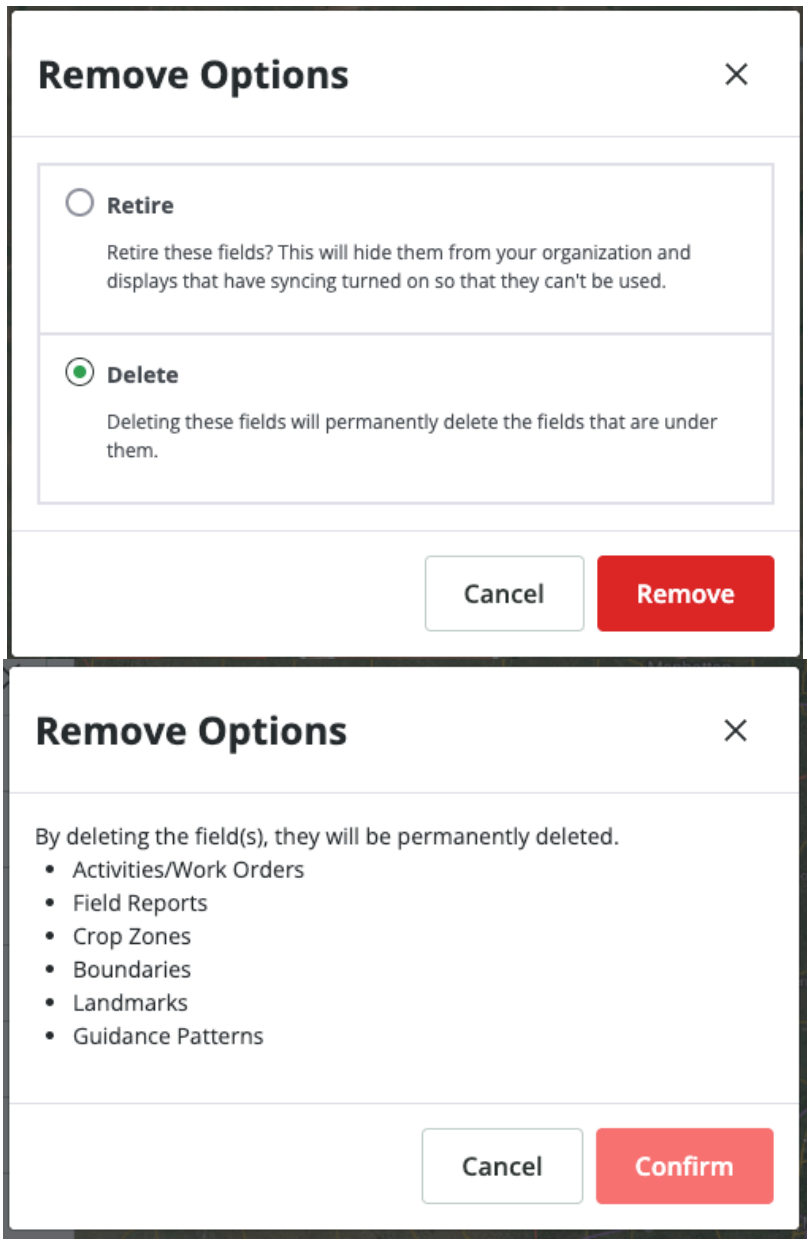


Delete Fields

1. Check at least one field in the list
2. Click on the trash can icon
3. Verify that you would like to delete the selected fields
4. Click Remove button

Note: When you delete a field, all linked records are also removed from the organization including:

- Activities
- Work Orders
- Crop Zones
- Boundaries
- Landmarks
- Guidance Patterns



Access Additional Details

1. Click on a Field in the list
2. The user is drilled into the selected field with access to these additional details:
    a. Client
    b. Farm
    c. Tillable Area
    d. Boundary Area
    e. Link to Field Manager

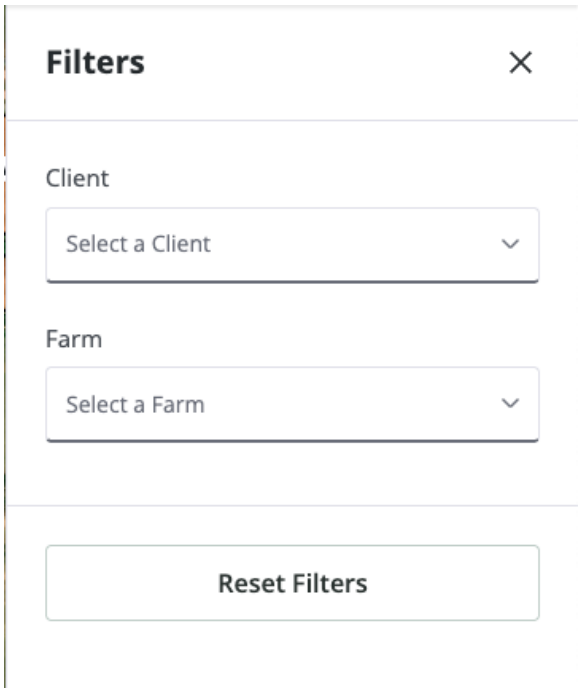


Edit Field

1. Click on a field in the list
2. Tap on the Edit icon
3. Make necessary changes and click ‘Save’
4. User will be redirected back to the field in Farm Map with the changes saved

Filter Fields

1. Tap on the Filter icon
2. Filter by Clients and Farms
3. Clear filters by selecting ‘Reset Filters’

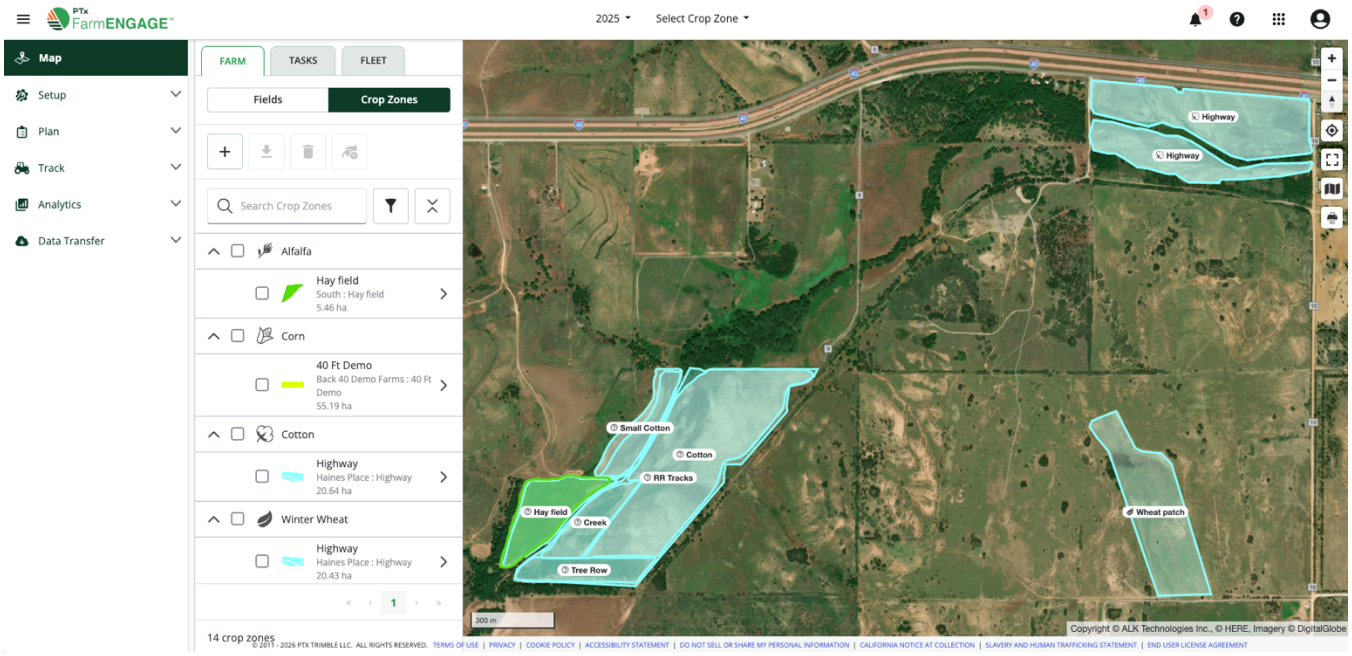


Search Fields

1. Type desired search parameter into the search bar
    a. Search on the field name
2. The list and map will update to return found results

Crop Zones

Crop zones help organize field activities, monitor crop performance, and apply inputs like water, fertilizer, or pesticides more precisely. By dividing a field into crop zones, this enables more accurate tracking, reporting, and decision-making compared to managing the entire field as a single unit. A single field can have multiple crop zones. A single field can contain multiple crop zones, allowing you to manage different crops, planting dates, or treatment plans separately within the same field boundary. This flexibility supports more precise management and better operational control.



Add Crop Zones

1. Tap on the '+' button
2. Create New
    a. User is directed to Select the field to associate the new crop zone with
    b. User is redirected to the New Crop Zone workflow via Field Manager
    c. After the crop zone is created the user is redirected back to Farm Map
3. Import
    a. Import crop zone via the import dialog
    b. First Select which field the crop zone should be created on
    c. Select your zip or shapefile to import
        i. Shapefiles require three file types: .dbf, .shp, and .shx; .prj is also recommended
    d. Enter in relevant information
        i. Name
        ii. Crop Year
        iii. Crop
    e. Click 'Import'
    f. The crop zone will be added to the crop zone list and map

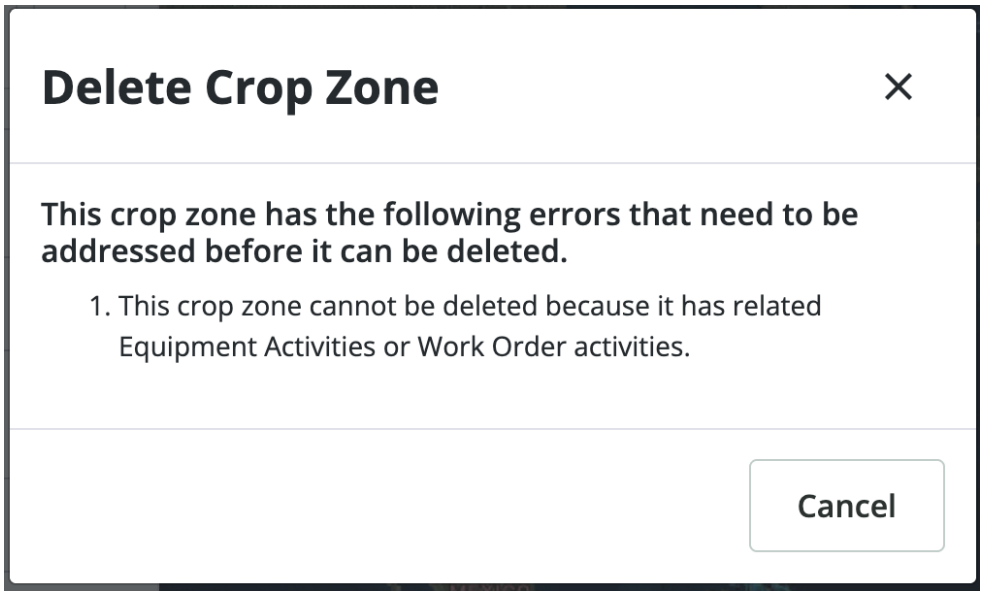
Download Crop Zones

1. Check at least one crop zone in the list
2. Click the download button (.shp or .kmz)
3. Download is automatically started

Delete Crop Zones

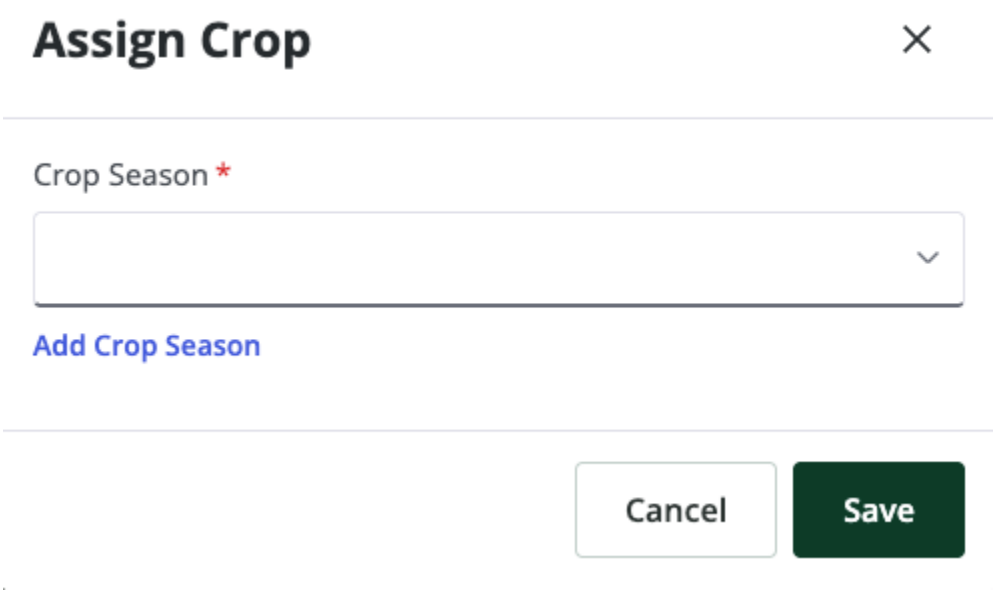
1. Check at least one crop zone in the list
2. Click on the trash can icon
3. Verify that you would like to delete the selected crop zones
    a. If the crop zone has a related Equipment Activity or Work Order, the Crop zone can not be deleted until these linked records are removed.





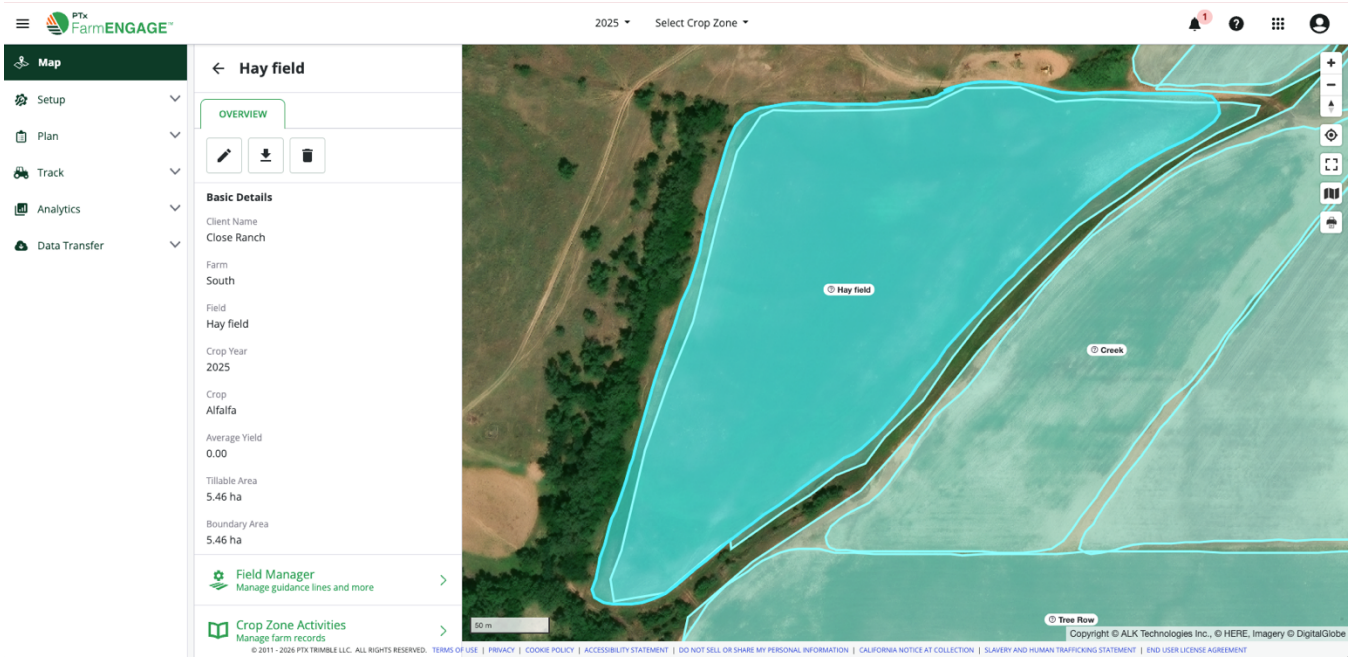
Assign Crop

1. Check at least one crop zone in the list
2. Click on the Assign Crops button
3. Select a Crop Season from the drop down OR
4. Add a crop season via the blue link
5. Click ‘Save’
6. The List and Map will update to reflect the changes



Access Additional Details

1. Click on a crop zone in the list
2. The user is drilled into the selected crop zone with access to these additional details:
    a. Client
    b. Farm
    c. Field
    d. Crop Year
    e. Crop
    f. Average yield
    g. Tillable Area
    h. Boundary Area
    i. Link to Field Manager
    j. Link to Crop Zone Activities

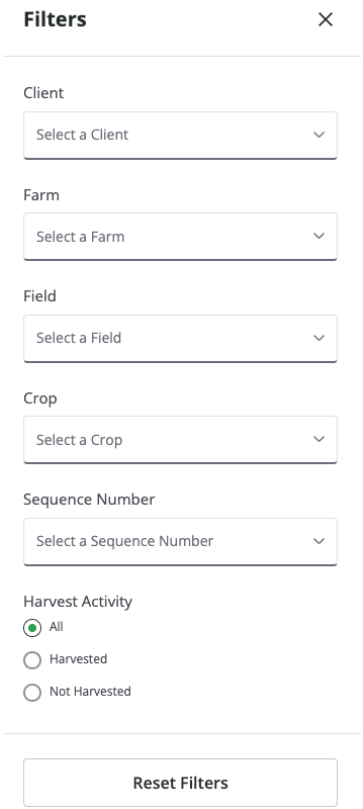


Edit Crop Zones

1. Click on a crop zone in the list
2. Tap on the Edit icon
3. Make necessary changes and click ‘Save’
4. User is redirected back to the Crop zone in Farm Map with the changes saved

Filter Crop Zones

1. Tap on the Filter icon
2. Filter by Clients, Farms, Fields, Crops, Sequence Number and Harvest Activity
3. Clear filters by selecting ‘Reset Filters’



Search Crop Zones

1. Type desired search parameter into the search bar
2. The list and map will update to return found results

Map Interactions

Switch Crop Zone and Field Views

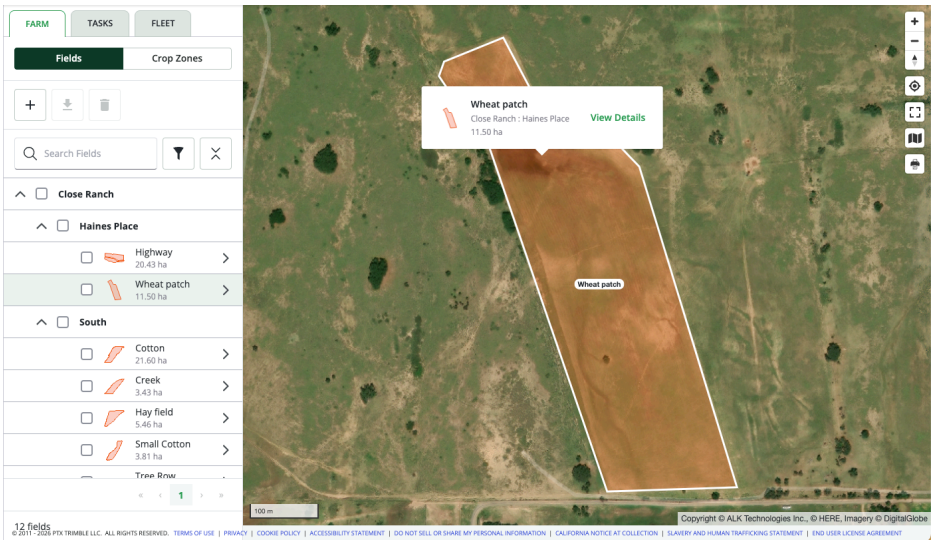
1. When viewing Taks, Work Orders, and Fleet, a Fields and Crop Zone toggle is available on the top right of the map
2. By default, the field boundaries are shown on the map
3. Click on Crop Zones to switch the boundary view to Crop Zones



Hovering Interactions

Fields

1. Using your mouse hover over a field on the map
2. You will see additional details Including
    a. Client
    b. Farm
    c. Boundary Area
    d. Link to view more details
3. The Field in the list will highlight green



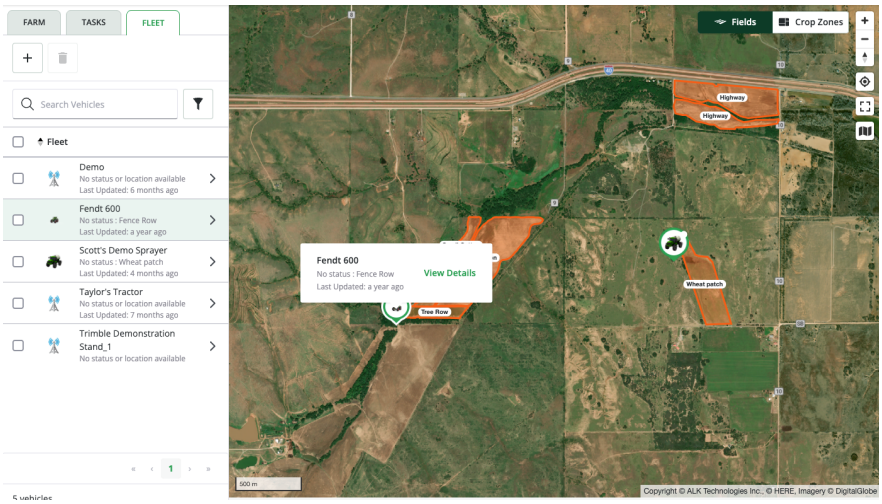
Crop Zones

1. Using your mouse hover over a Crop Zone on the map
2. You will see additional details Including
    a. Farm
    b. Field
    c. Boundary Area
    d. Link to view more details
3. The Crop Zone in the list will highlight green



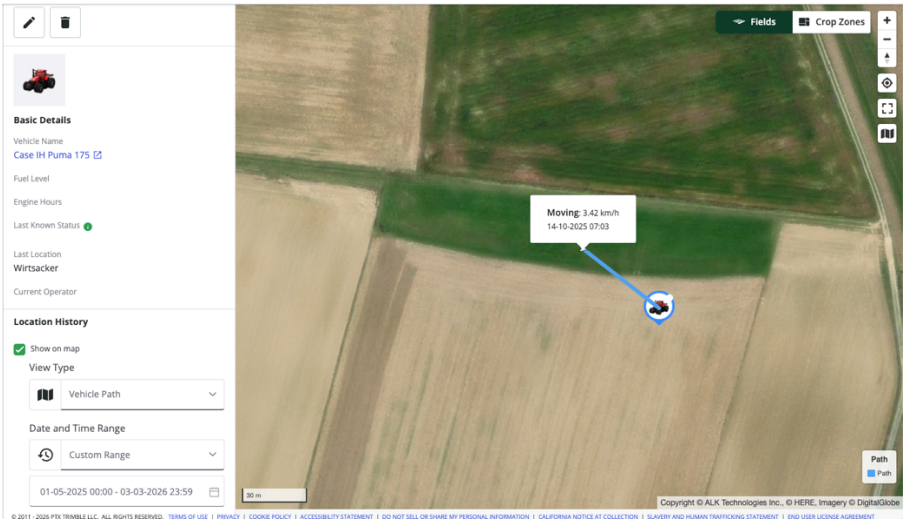
Fleet

1. Using your mouse hover over a Vehicle pin on the map
2. You will see additional details Including
    a. Status
    b. Last Known Location
    c. Last Updated Date
    d. Link to view more details
3. The Vehicle in the list will highlight green

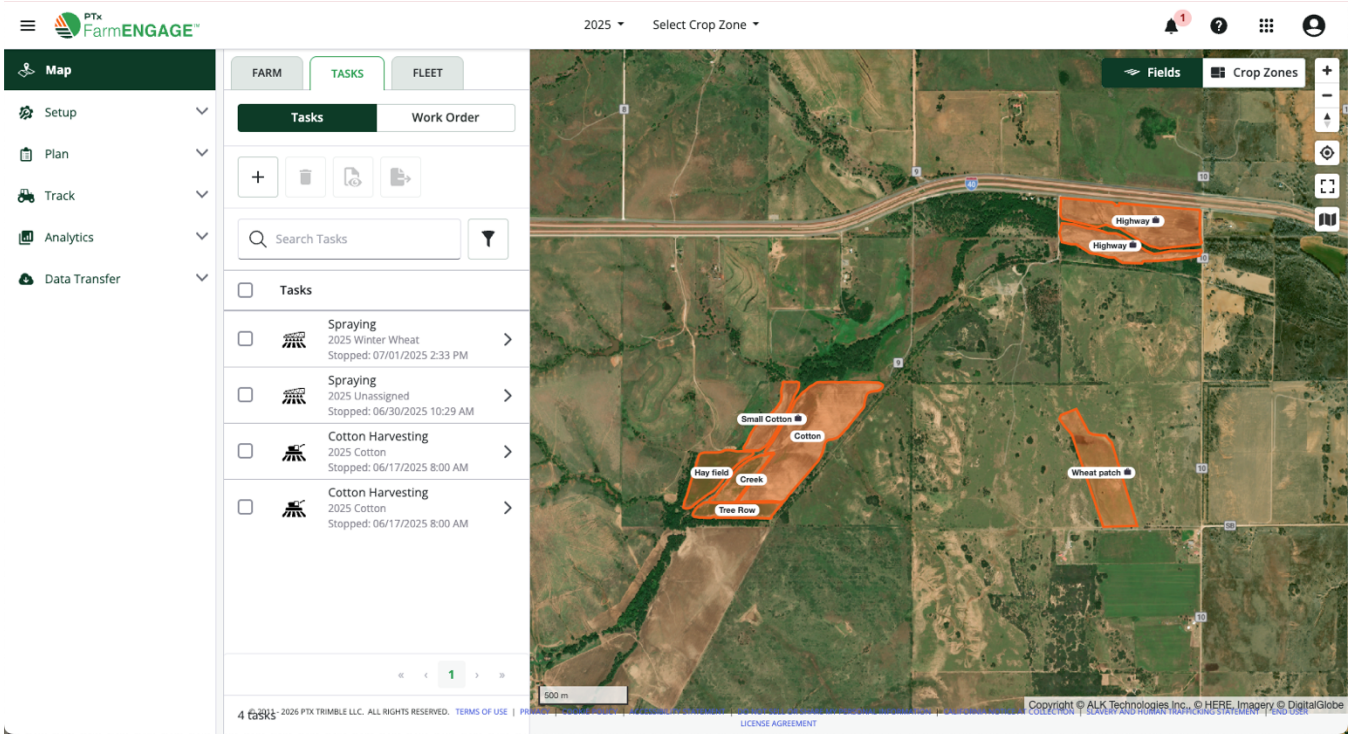


Fleet Historical Path

1. Hover on an arrow on a location history map
2. View additional Details Including:
    a. Status
    b. Speed
    c. Date and Time



Tasks

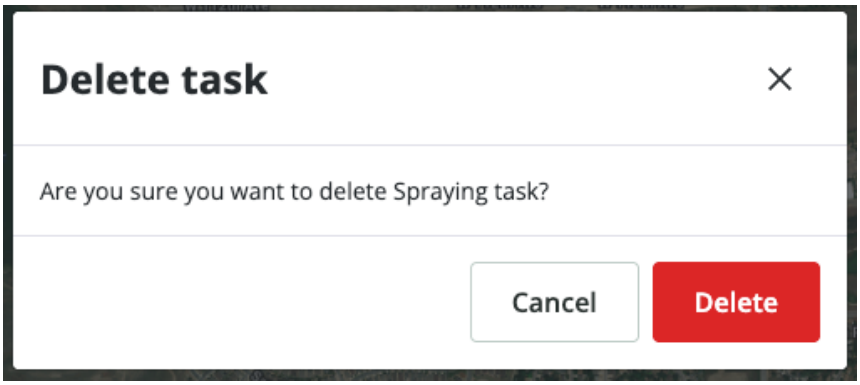


Add Tasks

1. Click the + button
2. Create a new task with the necessary details and select “Save”
3. User is redirected to the Farm Map Task drill in for the newly created task

Delete Tasks

1. Check at least one task in the list
2. Click on the trash can icon
3. Verify that you would like to delete the selected tasks

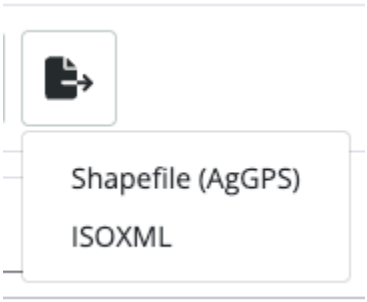


View Task Reports

1. Check at least one task in the list
2. Click on the view report button
3. Use the Report Builder to select what to include in the report
    a. Sensor Layers are available to select in the report builder
    b. Selecting additional layers will add a new map with details to the report
    c. If nothing is selected a report with basic details of the operation is created, and no maps are shown
4. View/Print the created report
    a. Use the carrot icons on each sensor layer to modify what is printed
        i. If a section is collapsed it will not be included in the report print out
        ii. If a section is expanded it will be included in the report print out
    b. Details and each sensor layer map will be printed on a separate page

Export Tasks to Shapefile or ISOXML

1. Check at least one task in the list
2. Click on the export tasks button
3. Export as Shapefile or ISOXML
4. Update File Name if desired and Create File
5. You will be automatically redirected to Data Transfer > Manage Files > Activity Export while your file is being created
6. Once the Status is processed click on the file name
7. Click “Download File”
8. Note: If you select tasks that are not of AgData type, a dialog will appear telling you which ones will be skipped in the export.

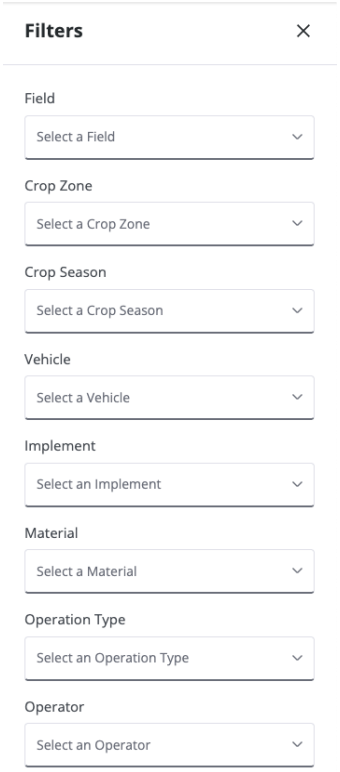


Download the Task Source File

1. Navigate to the Inputs tab on the desired task
2. Scroll to the bottom of the inputs panel
3. Click on the source file link
4. The download will automatically start

Filter Tasks

1. Tap on the Filter icon
2. Filter by Field, Crop Zone, Crop Season, Vehicle, Implement, Material, Operation Type, Operator and Start Date
3. Clear filters by selecting ‘Reset Filters’



Search tasks

1. Type desired search parameter into the search bar
    a. Search on the task Name (often the same as operation type)
2. The list and map will update to return found results

Access Task Overview

1. Click on a task in the list
2. The user is drilled into the selected task with access to these additional details:
    a. Client
    b. Farm
    c. Field
    d. Crop Zone
    e. Operation Type
    f. Task Progress
        i. For task progress bar to update –
            1. A tillable area must be set on the crop zone
        ii. Task Status = Area Worked / Tillable Area



Access Task Inputs

1. Click on a task in the list
2. Select the Inputs tab
3. User can view resource details, field and weather conditions, and access the source file by session



Edit Task

1. Click on a task in the list
2. Tap on the Edit icon
3. Make necessary changes and click ‘Save’
4. User is redirected back to the task in Farm Map with the changes saved

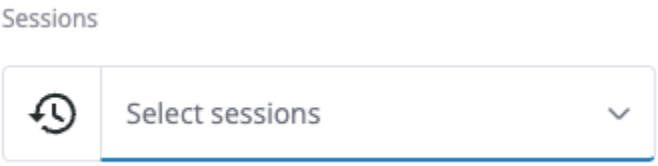
View Sensor Layers on Map

1. Click on a task in the list
2. The user is drilled into the selected task
3. In the Task Progress section of the details panel, user can select which sensor is shown on the map using the Map Sensor Drop down
4. As the sensor is changes note the map and legend will update



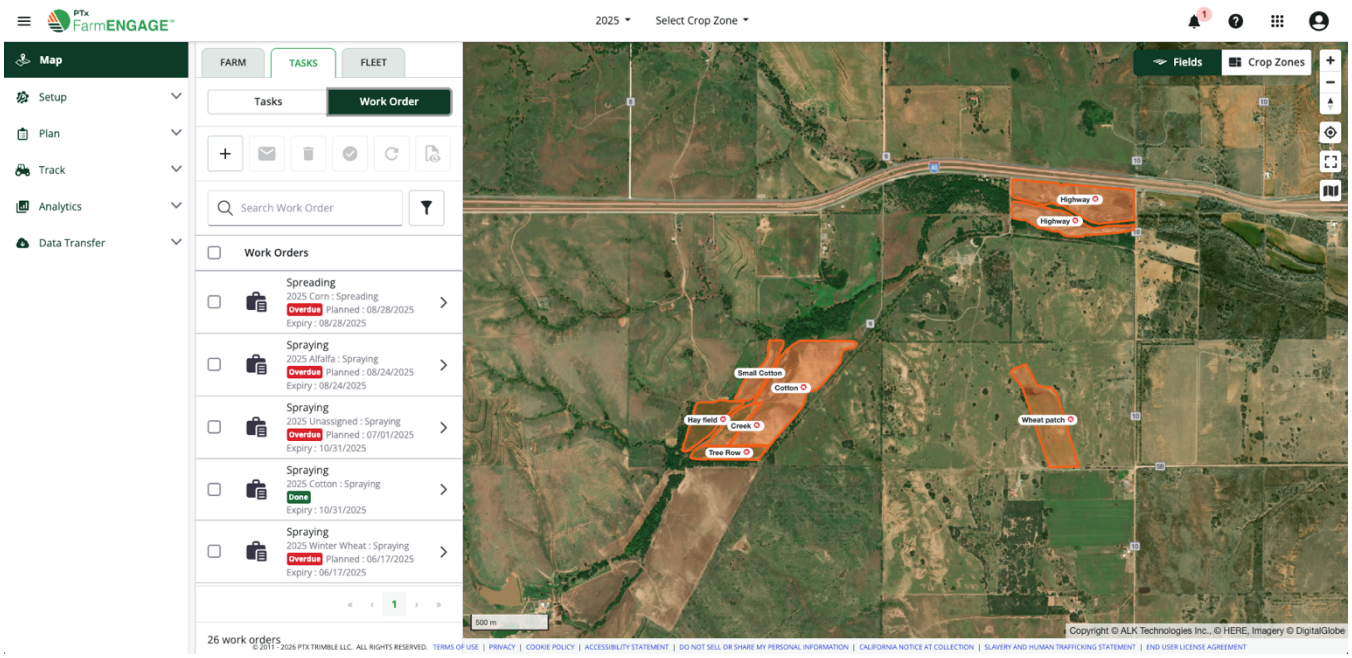
Change Sessions Shown on Map

1. Click on a task in the list
2. The user is drilled into the selected task
3. In the Task Progress section of the details panel, user can select which sessions are included in the map view



Work Orders

Note: Only available for the FarmENGAGE-Operations license

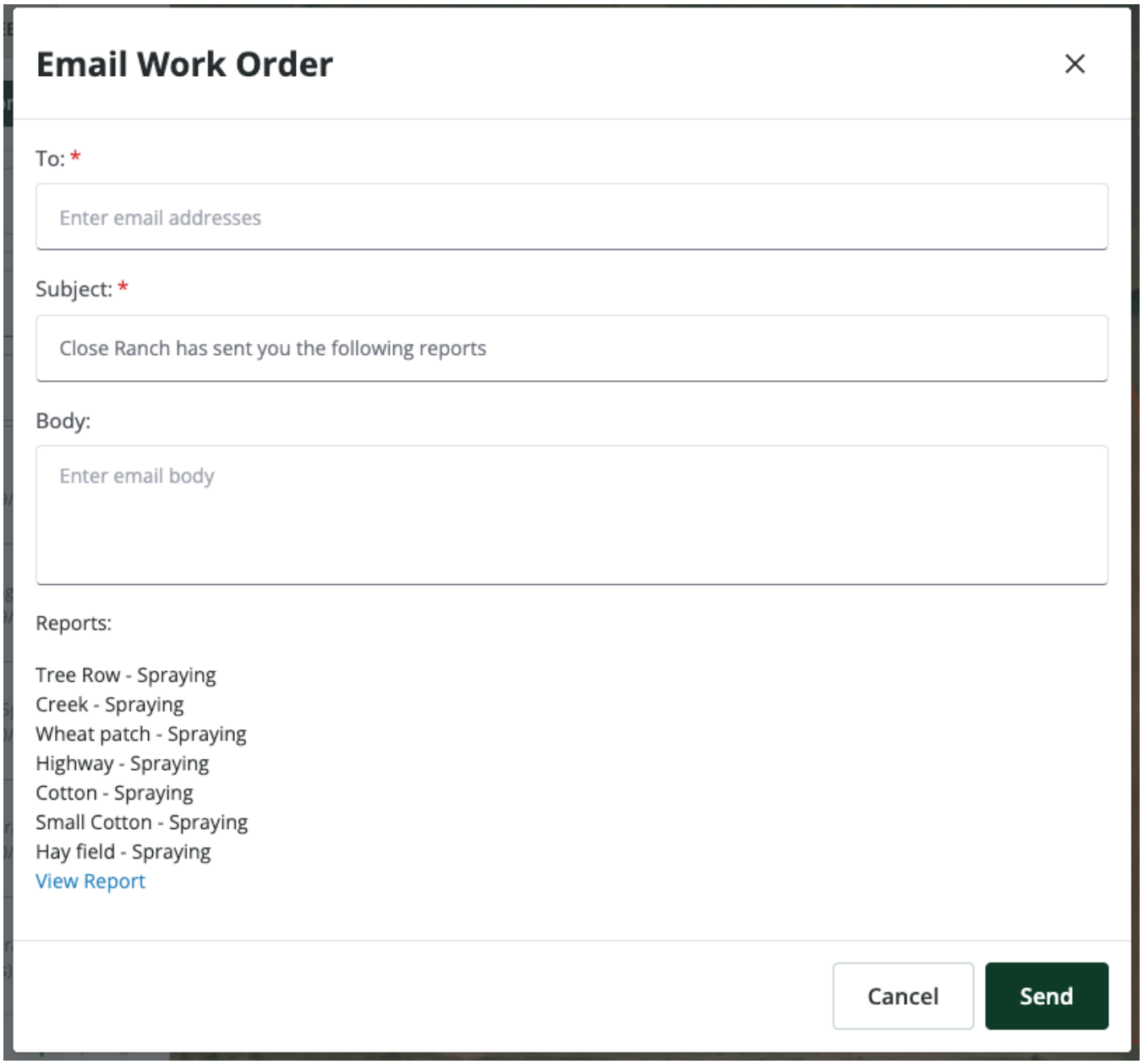


Add Work Orders

1. Click on '+' icon
2. User is directed to Add Work Order workflow

Email Work Order Reports

1. Check at least one Work Order in the list
2. Click on the Email icon
3. Enter in the email address, edit the subject, add a body to the email
4. Preview the report being sent
5. Select Send button



Delete Work Orders

1. Check at least one Work Order in the list
2. Click on Trash can icon
3. Delete or Cancel

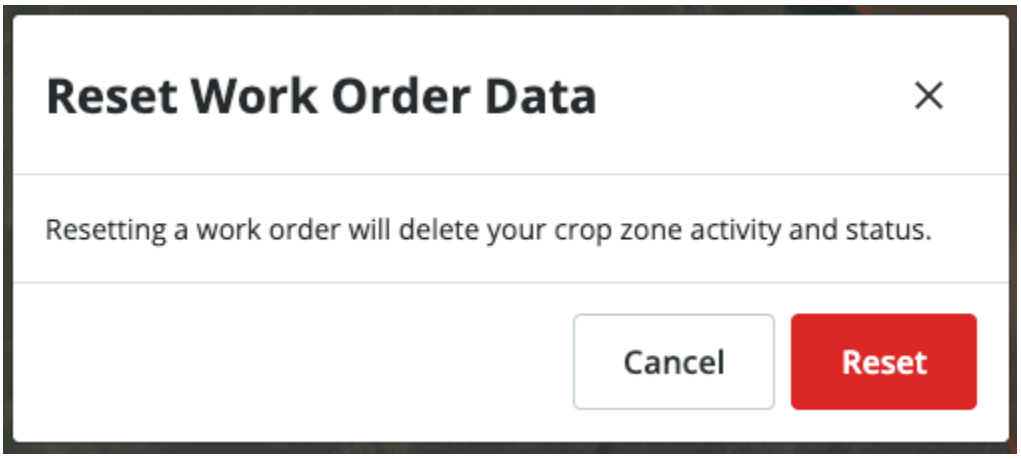
Mark Work Orders as Done

1. Check at least one Work Order in the list
2. Click on the Check mark icon
    a. User can edit the completion date, or mark as done with the current completion date

Reset Work Order

1. Check at least one Work Order in the list
2. If at least one of the checked work orders is in the 'Done' or 'In Progress' status, user is prompted to reset status back to 'Planned'

Note: All Related tasks will be deleted when the work order is reset



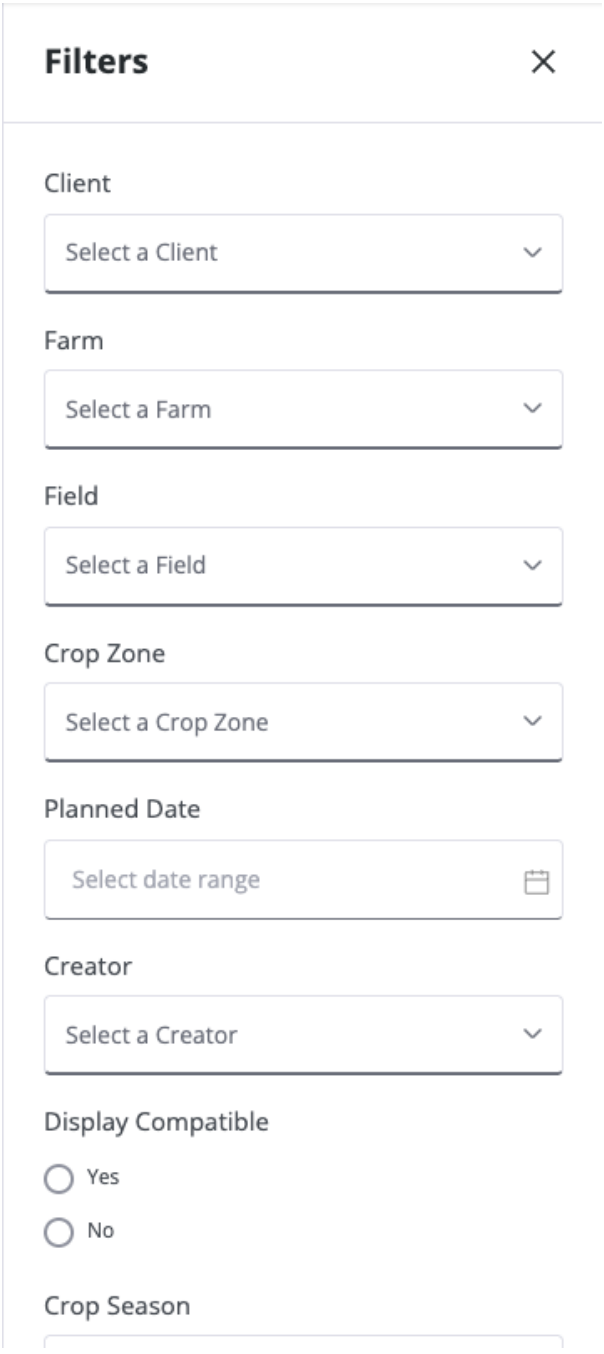
View Work Order Reports

1. Check at least one Work Order in the list
2. Click on the View Report icon
3. Work Order report will open in new tab

Note: User can view up to 50 work orders in a single report

Filter Work Orders

1. Click on the filter icon
2. Insert filter parameters
3. The work order list is filtered to match the selected parameters



Search Work Orders

1. Enter search parameter to narrow down the results
    a. Search by Operation name (often is defaulted to match the operation type)

Access Additional Work Order Details

1. Click on a Work Order in the list
2. The user is drilled into the selected work order with access to these additional details:
    a. Client
    b. Farm
    c. Field
    d. Crop Zone
    e. Operation Type
    f. Work Order Name and Number with a link to the Work Order Report
    g. Created By



Edit Work Orders

1. Click on a Work Order in the list -> User is drilled into the selected Work Order
2. Click on the pencil icon
3. User is redirected to the Work Order edit workflow

Note: Edit is only available for planned or overdue Work Orders

Copy Work Orders

1. Click on a Work Order in the list -> User is drilled into the selected Work Order
2. Click on the copy icon
    a. Copy to the Same Crop Zone
    b. Copy to a New Crop Zone
3. User is redirected to the Copy workflow

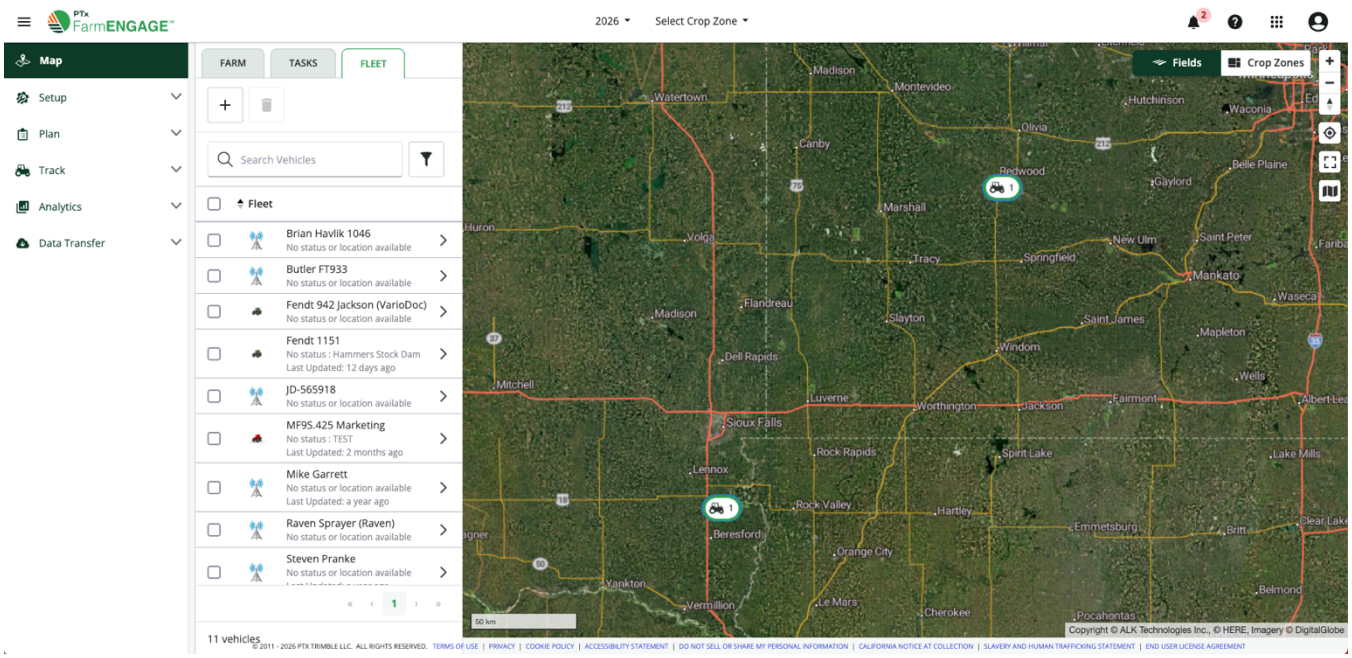
Access Associated Task Data

1. Select a Work Order in the list
2. If there is an associated task, the Equipment Activity Button is available
3. When selected, the user is redirected to the task within farm map. From here, the user can view the task details, and sensor layers on the map.



Fleet

Note: Only available when using connected PTx Trimble displays



Turn on Fleet in Precision-IQ on a PTx Trimble Display

1. Navigate to the Utilization App on your display
2. Click on settings wheel
3. Check “Auto Start”
4. Select OK button

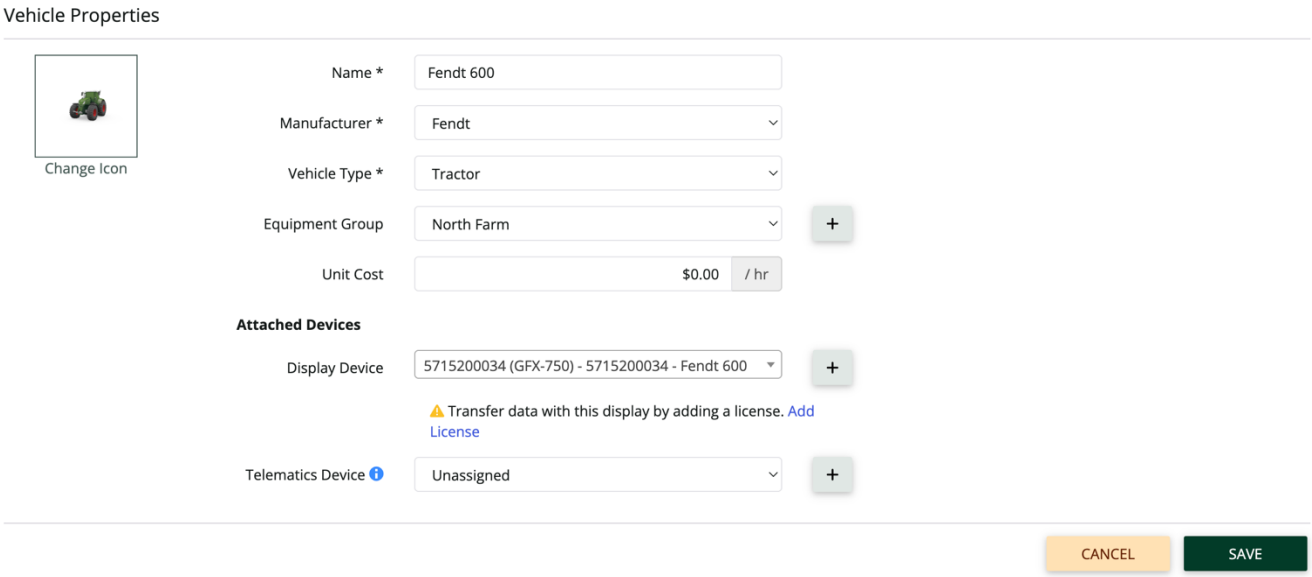
Note: A Display Connection License is required

Add Vehicles

1. Click the ‘+’ button
2. Create a new vehicle and select Save
3. User is redirected to the Farm Map Fleet Drill in for the newly created vehicle

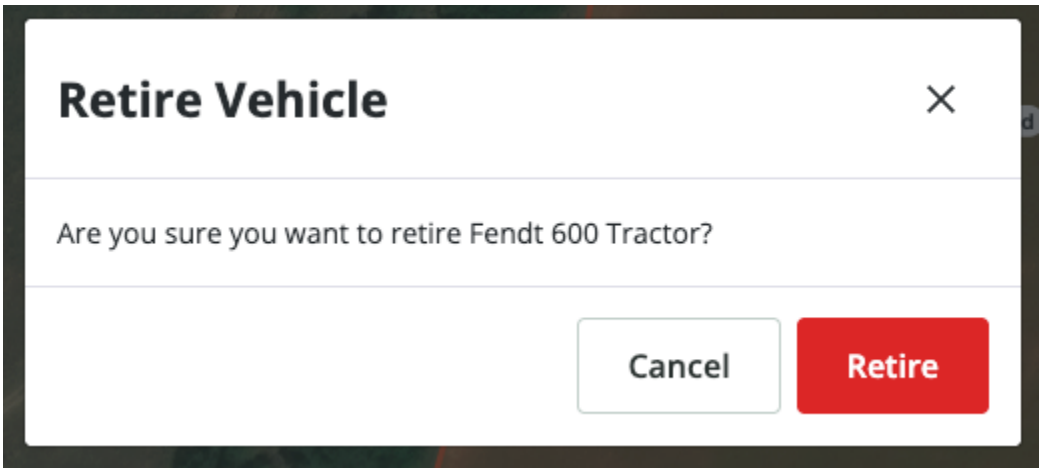
Applying a Device and Display Connection License to a Vehicle

1. Click on a vehicle in the list
2. Select the pencil icon to edit the vehicle
3. Choose a display to apply in the 'Display Device' dropdown
4. Click the add license link
5. If Display Connection Licenses are available select one to apply to your device
6. If no Display Connection Licenses are available, contact your local reseller to purchase more



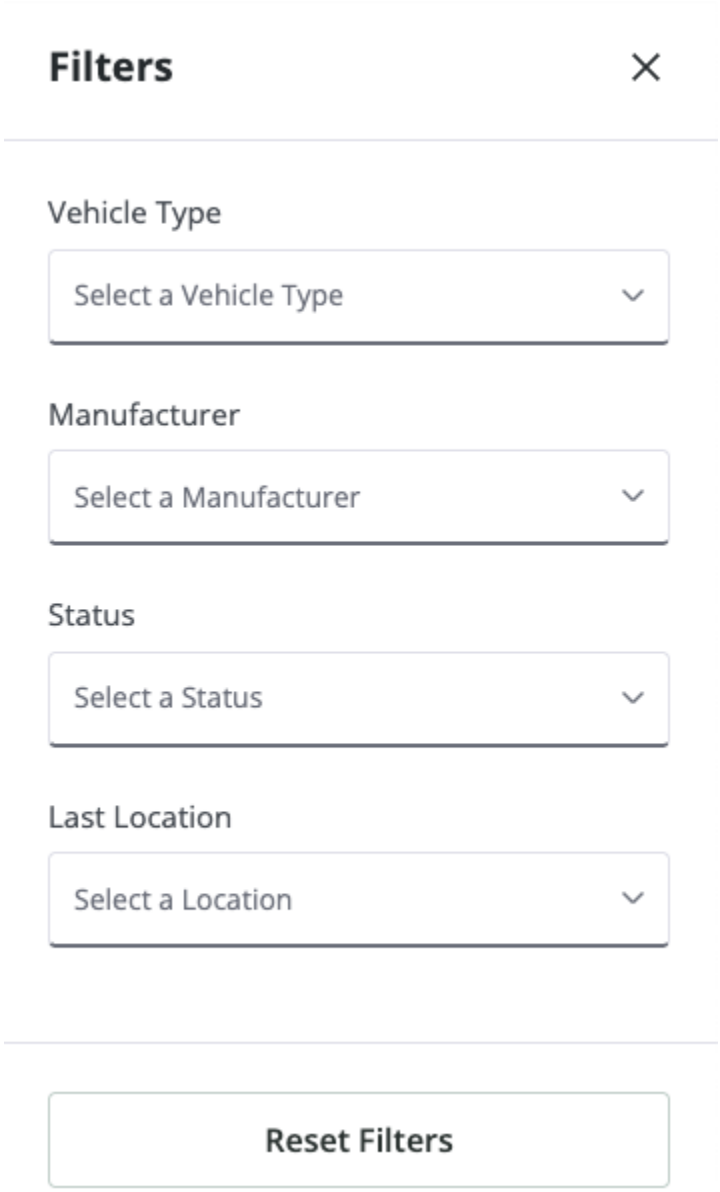
Retire Vehicles

1. Check at least one vehicle in the list
2. Click on the retire button
3. Verify that you would like to retire the selected vehicles



Filter Vehicles

1. Click on the filter icon
2. Filter by Vehicle Type, Manufacturer, Status and Last Location
3. Clear filters by selecting ‘Reset Filters’

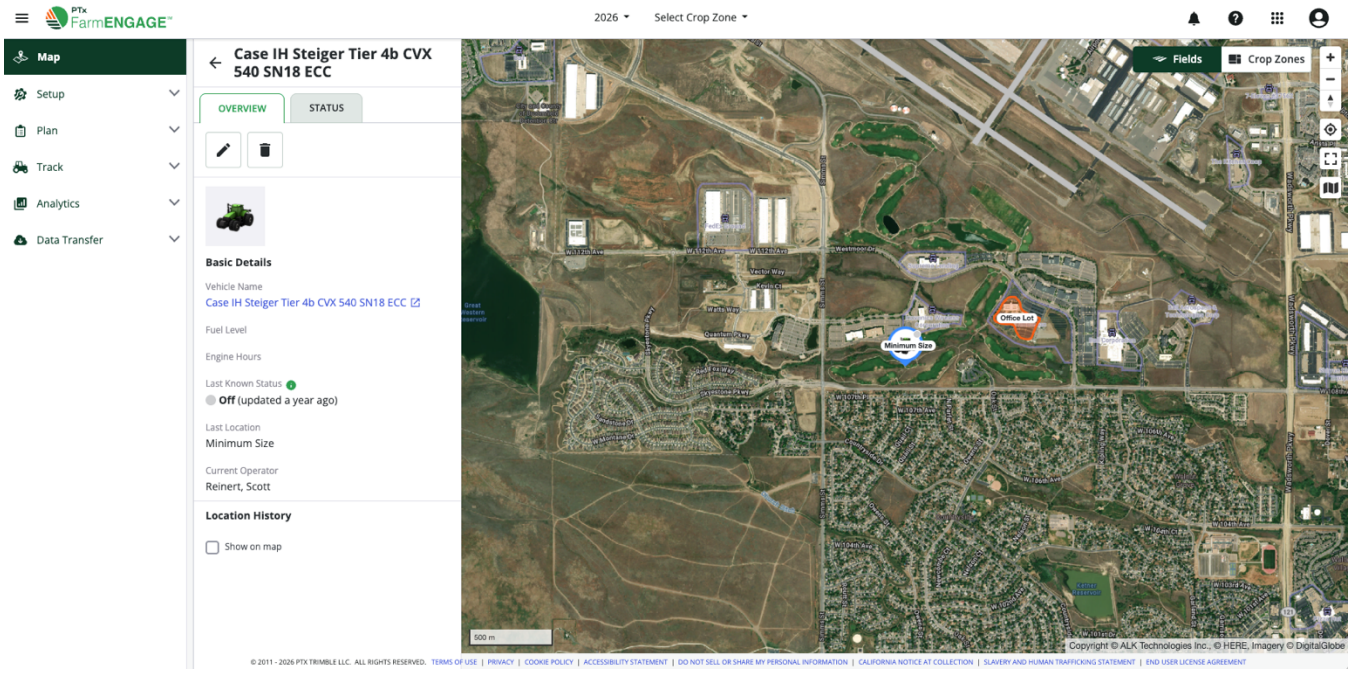


Search Vehicles

1. Type desired search parameter into the search bar
    a. Search on vehicle name
2. The list and map will update to return found results

Access Vehicle Overview

1. Click on a vehicle in the list
2. The user is drilled into the selected vehicle with access to these additional details:
    a. Vehicle Name with link to Track -> Fleet page
    b. Fuel Level (if available)
        i. Will sync via the CAN Bus (if available) when using PTx Trimble Displays
    c. Engine Hours (if available)
        i. Will sync via the CAN Bus (if available) when using PTx Trimble Displays
    d. Last known Status
    e. Last location
    f. Current Operator



Access Vehicle Status

1. Click on a vehicle in the list
2. The user is drilled into the selected vehicle
3. Click on Status Tab
4. If a CAN bus connection is setup, status details like sensor data is available

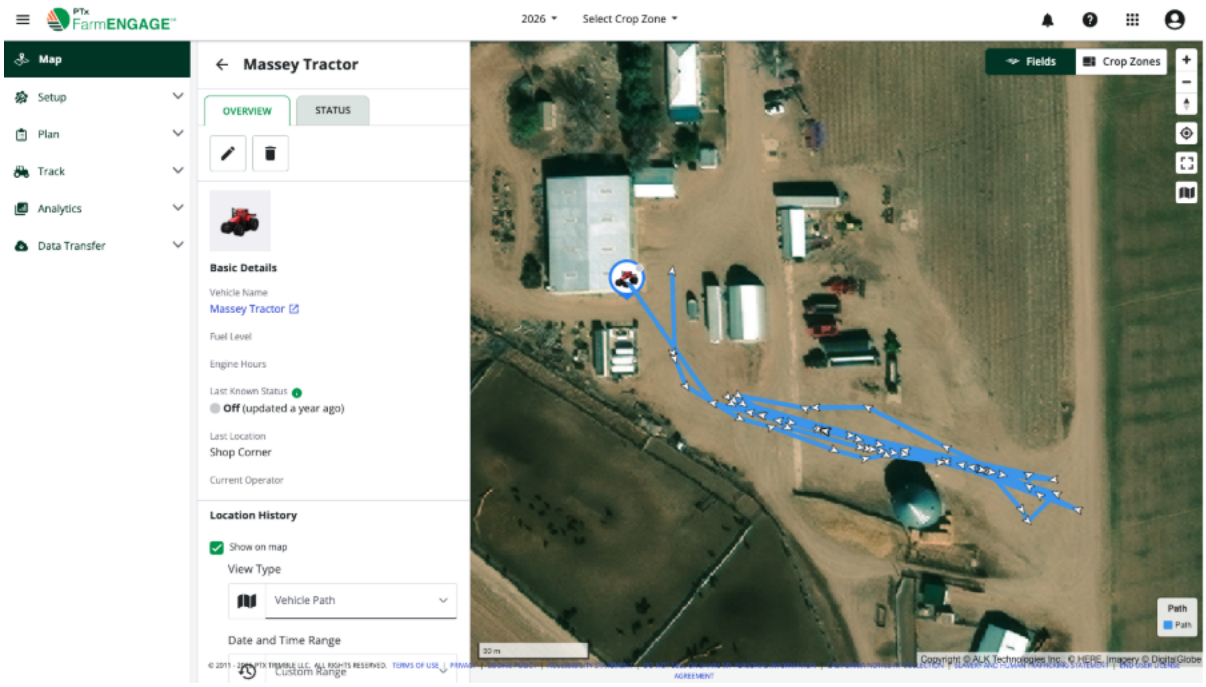
Edit Vehicle

1. Click on a vehicle in the list
2. Select the Pencil Icon
3. User is redirected to the current Edit Vehicle workflow
4. Select Save and be redirected back to the Farm Map drilled in vehicle with updates reflected

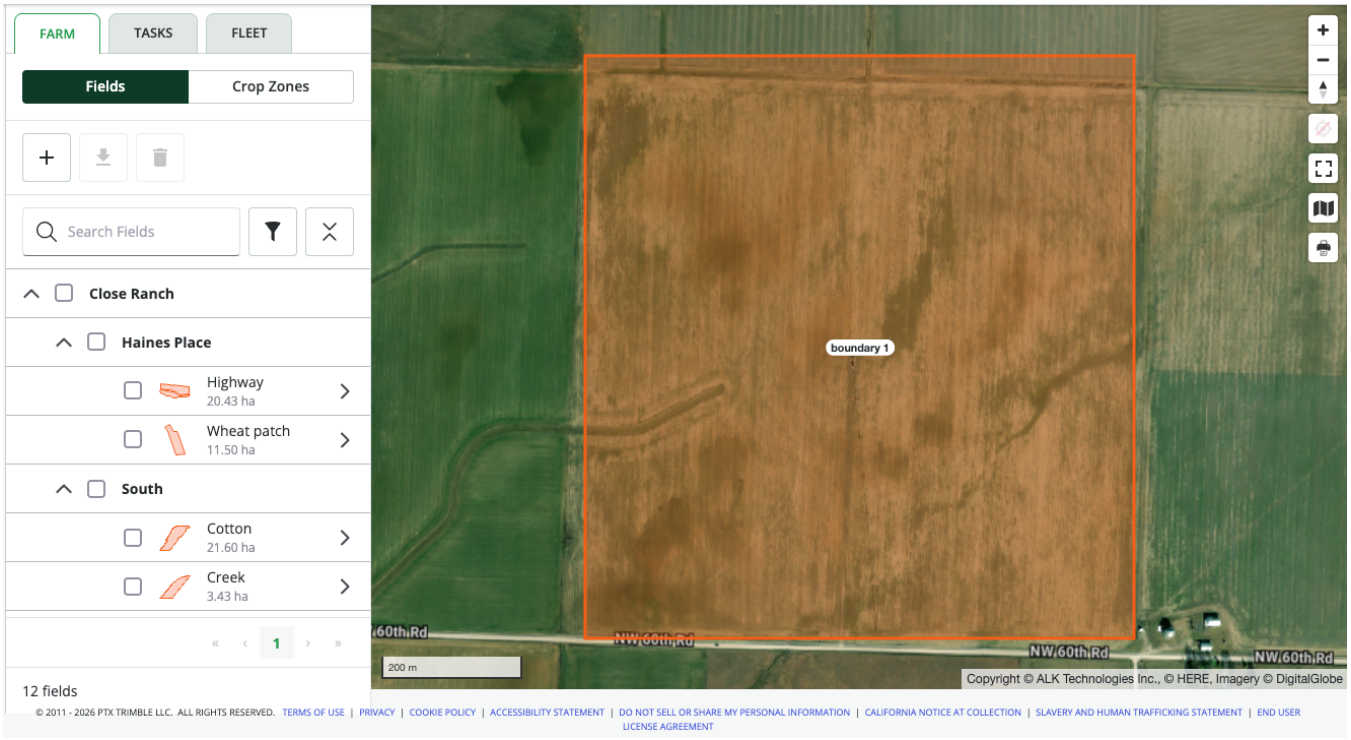
Viewing Location History

1. Click on a vehicle in the list
2. Check ‘show on map’ box in the location history section
    a. View Vehicle Path
    b. View Status Path
    c. View Speed Path
3. Select a Date and Time Range
    a. Automatically defaulted to last operated day
    b. Enter in a specific time range using the custom range selection

Note: Only available for the FarmENGAGE-Operations license



Print


FARM
TASKS
FLEET
Fields
Crop Zones
Search Fields
Close Ranch
Haines Place
Highway
20.43 ha
Wheat patch
11.50 ha
South
Cotton
21.60 ha
Creek
3.43 ha
12 fields
boundary 1
NW 60th Rd
200 m
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Map Builder
Print
Map Name *
Close Ranch
Print Size *
A4
Orientation *
Landscape
Portrait
Show field area on map label
Tillable area
Boundary area
Show client and farm name on map label
Fields (1)
Trimble (1)
Back 40 Demo Farms (1)
boundary 1
64.43 ha
boundary 1
64.43 ha
Trimble
Back 40 Demo Farms
NW 60th Rd
200 m
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PTx
Close Ranch

Accessing Print Functionality

- Print Button is available on the field and crop zone tabs
- User must zoom in past the cluster level for button to show
- Print button is shown on the right side of screen with the other map tools

Printing Fields

1. When zoomed in to the fields you would like to print hit the print button
2. Map builder will open in a new tab using the map view you are zoomed into
3. Edit and update the Map Name, Print Size, Orientation, and Labels in the left-hand panel
4. Hide/show fields on the printout using the eye icons in the fields list
5. When ready to print what is shown in the map builder, select the print button
6. The download will automatically begin

Printing Crop Zones

1. When zoomed in to the crop zones you would like to print hit the print button
2. Map builder will open in a new tab using the map view you are zoomed into
3. Edit and update the Map Name, Print Size, Orientation, and Labels in the left-hand panel
4. Hide/show fields on the printout using the eye icons in the crop zones list
5. When ready to print what is shown in the map builder, select the print button
6. The download will automatically begin

Additional Notes

- The map labels will dynamically show based on the zoom level and the availability of space on the map
- If you zoom out too far nothing will be shown on the map, the user must zoom in far enough to see the field or crop zone geometry