



AGRICULTURE

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**TRIMBLE RESELLER CONFIDENTIAL**

## Managing Fields in Precision-IQ

A *field* is an area of land on a farm where you perform a series of tasks. When you provide more information about a field, then Precision-IQ can generate detailed reports about the field, which are then used to efficiently manage the entire farm. The information you provide includes field boundaries, landmarks, materials applied, tasks performed, etc.

A field can contain one or more boundaries (perimeters) or no boundaries. Information associated with each field includes:

- Boundaries, guidance lines and patterns for steering assistance.
- Landmarks such as points, lines, and area features.
- Tasks.
- Coverage information recorded during field activities when logging is activated.
- Attributes such as client and farm names.

To get started with a field, tap the **Field** tile on the Home screen. Once a field is created, you can use Field Manager to fine tune the profile information. On the Home screen activity bar, tap the **Field Manager** icon to begin.

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## Add a Field

Follow the steps below to add a field:

1. On the Home screen, tap the **Field** tile.
2. On the Field screen, tap the **New** button.
3. In the Create New Field pop-up window, enter a unique Field Name, select or create a Client name, and select or create a Farm name.
  - If the client/farm already exists, then tap the **Client** or **Farm** drop-down to select it from the list.
  - Or
  - If the client/farm is new, then tap the **Plus** icon to enter a new client or farm.
4. Tap the **Create** button:

← BACK CREATE FIELD

Field Name  
West End 60

Client ARVEL KOEHN +

Farm AK West +

Cancel x

After you select the client/farm, tap the Create button

Create ✓

The new field is added to the list of fields and is selected.

**Note:** To maintain an accurate client, farm, field data structure, Precision-IQ now enforces a client/farm-to-field association.

Alternatively, you can transfer existing field data files directly to the display using a USB drive:

1. Insert a USB drive into the USB port of the display.
2. On the Home screen, tap the **Data Transfer** button.
3. On the Data Transfer screen:
  - a. The left side of the screen (labeled **Internal**) shows the data files currently available on the display.
  - b. The right side of the screen (labeled **USB**) shows the data files of the USB drive.
  - c. From the USB region, tap **Fields** to expand the menu and display all available fields.
  - d. Tap the select box for the Fields category to transfer all fields or tap the select box for each field to transfer individually. Then tap the **Copy** button at the bottom of the screen.
4. Tap the Android **Back** button to return to the Home screen.

For details about copying and converting files, see [Using Precision-IQ's Data Transfer Service](#).

## Edit a Field

Use Precision-IQ's Field Manager to edit and refine elements in and associated with each field. To access Field Manager:

- On the Home screen, tap the **Field** tile. Then select a field on the Field screen.

*Or*

- On the Activity bar, tap the **Field Manager** icon.

The Field Manager's Field Overview screen displays by default and provides:

- Overview details such as the total field area, total productive area, and total nonproductive area. See *Set Preferences for Precision-IQ and the Display* in [Precision-IQ Overview](#) to set the display units.
- Map view, including relative vehicle and field location.
- Name details. Tap the fields to edit Field Name, Client Name, and Farm Name.

The Field Manager screen provides the following functionality:

- [Field Manager: Guidance Patterns](#)
- [Field Manager: Boundaries](#)
- [Field Manager: Landmarks \(Point - Line - Area\)](#)
- [Field Manager: Task History](#)
- [Field Manager: Access Paths and Tramlines](#)

Tap the **Home** icon to return to the Home screen.

## Delete a Field

Follow the steps below to delete a field:

1. On the Home screen, tap the **Field** tile. Then, tap the field you want to delete to select it.
2. With the field selected, tap the **Delete** button.
3. On the Delete Field confirmation pop-up, tap **OK**.
4. The Field screen updates with the field deleted. After the deletion, no field will be selected. Tap a different field to select it or [Add a Field](#).
5. Tap **Home** to return to the Home screen.

## Select a Field

To work with a field to work within it, you select it. When you add a field, it is selected automatically.

If you have multiple fields, you can:

- **Select a Field Using a Map Point**

The points on the map of the Home screen indicate fields you have created. Tap the point that represents the field.

- **Select a Field from the Field List**

The outlines on the map of the Home screen indicate fields you have created.

1. On the Home screen, tap the **Field** tile. Then tap a field name to select it.
2. Tap **Home** to return to the Home screen.

- **Select a Field from a Field Search**

1. On the Home screen, tap the **Field** tile.
2. On the Field screen, tap the search icon above the list of fields.
3. Using the Android on-screen keyboard, type part of the field name. Then tap the name of the field to select it.
4. Tap **Home** to return to the Home screen.

## Client/Farm Filter and Entry

In the Home screen Field tile, the field selector list may be filtered to show only the client's fields that are important to the current operation and operator. Filters can be removed in the field selector menu or in the filter creator screen.

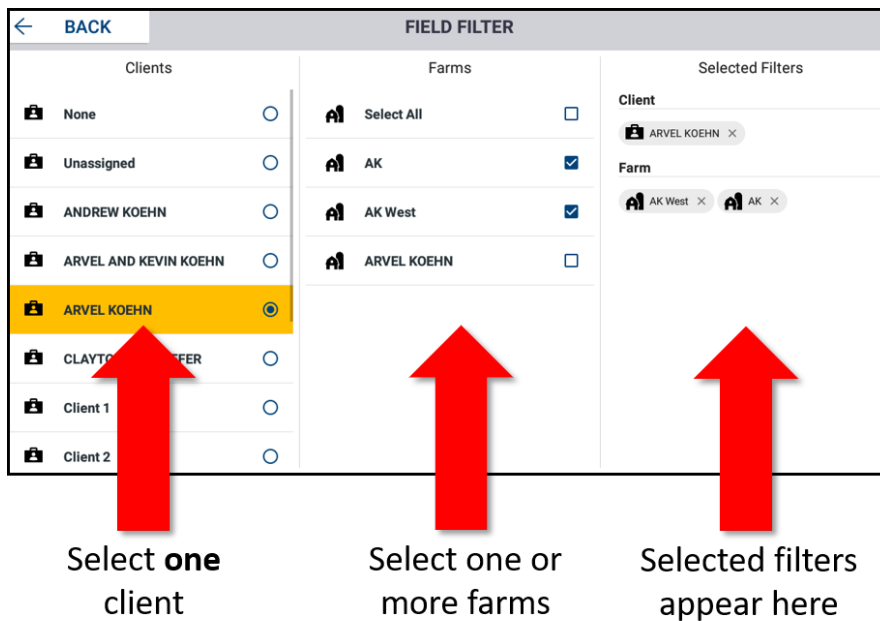


Tap the **Field filter** icon to build a filter by focusing on a single client along with the farms from that client that contain the fields that they wish to view in the field selector.

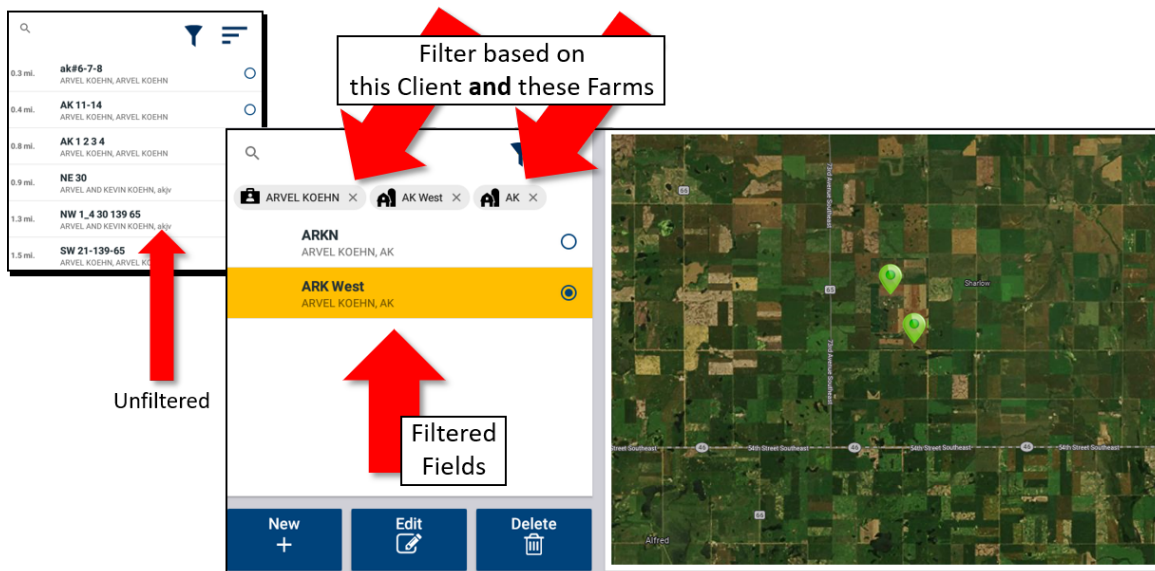
**Note:** A newly created field must belong to a client and a farm, which is similar to all Trimble Agriculture legacy software applications.

In previous releases, the operator could only sort the field list by distance or by alphabet, and earlier versions of Precision-IQ allowed a field to be created without associating it to a client or farm. To maintain an accurate client, farm, field data structure, Precision-IQ now enforces a client/farm-to-field association.

To create a new filter on the Home screen, tap the **Fields** tile. Then on the list of fields, tap the **Field filter** icon. The Field Filter screen appears:



Once you have created a set of filters, they are immediately applied to your list of fields. From the Field Filter screen, tap Back to return to the list of fields:



#### Notes:

- Tap the X of a filter item to remove it.
- All filters are saved over a power cycle.

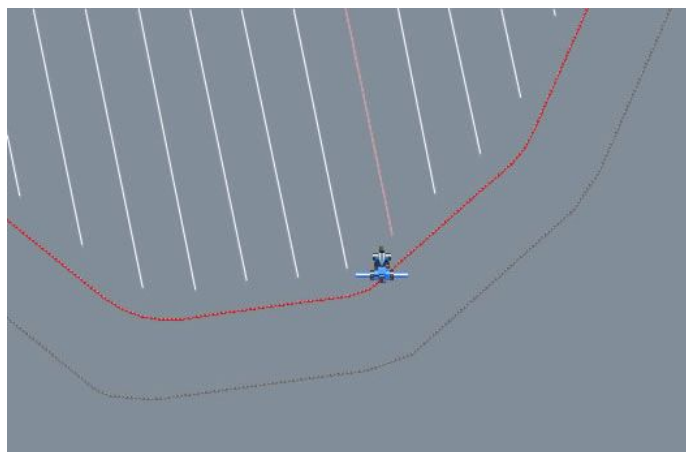
## Change the Infill Pattern

**Note:** This process assumes you have an existing headland and an infill pattern has been created.

1. To create a new infill pattern to change to, go to step 3.
  - a. At the Run screen, create a new guidance line to use as the infill pattern.

**Note:** This new guidance line is automatically made active by the system, which deactivates all other guidance patterns, including the headland you are working with.

- b. To edit an existing infill pattern you want to change to, tap the **Field Manager** button in the Activity bar to open Field Manager.



**Note:** If the system has been turned off, when you enter the field you will only see the headland on the Run screen and not the infill pattern.

2. At the Guidance Patterns tab:
  - a. Highlight the headland circuit pattern you want to work with and tap **Activate**. (This is not necessary if you want to change to an existing line and did not need to create a new one in step 3.)
  - b. Tap **Infill**. The Infill Selection list displays. This lists the infill pattern that is currently assigned to use with the headland.
  - c. Tap the **Settings** icon.

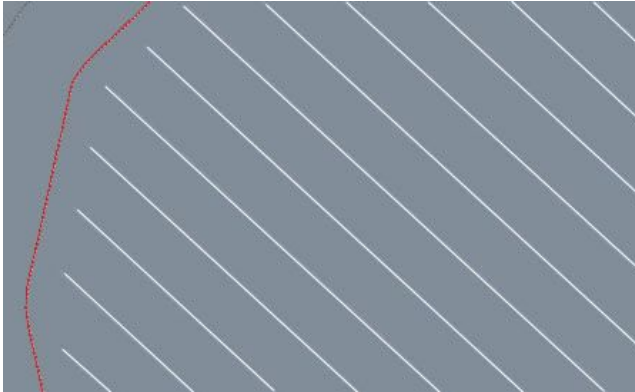
The All Guidance Lines list displays. This lists all guidance lines that have been created for this field that are within the headland boundary.
  - d. Tap to highlight the guidance lines you want to associate with the headland (including the new guidance line you created above).

Tap the green check mark.

The Infill Selection list displays again.

- e. At the Infill Selection list, highlight the guidance line you want to change to and tap the green check. This assigns the guidance line to the headland.
3. Tap **Boundaries**. In the Boundaries list on the left-hand side, tap the inner boundary of the headland, then tap **Activate**.
4. Exit the Field Manager.

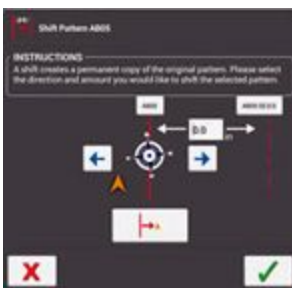
The new infill pattern will show in the inner boundary of the headland:



## Shift the Infill Pattern

To shift the infill pattern, complete the following steps:

1. Tap the **Field Manager** button on the Activity bar.
2. On the Field Manager screen, tap **GUIDANCE PATTERNS**.
3. In the list of patterns, tap to select the infill pattern you want to shift, and tap **Activate**.
4. Tap **Shift**. The Shift Pattern tool displays:



5. Tap the **Left Arrow** to shift the pattern left, or tap the **Right Arrow** to shift the pattern right.
6. In the entry box, enter the distance you want to shift the pattern.
7. Tap the green check mark to save the shift.

The shifted pattern is saved with a new name.

8. Tap the headland circuit pattern to select it, and tap **Activate**.
9. Tap **Infill**. The Infill Selection list displays.
10. Tap the **Settings** icon.

The All Guidance Lines list displays.

11. Tap to highlight all the infill patterns (including the shifted pattern you just created) you want to associate with the headland pattern you activated.
12. Tap the green check mark. The Infill Selection list displays again.

13. Highlight the shifted swath and tap the green check.
14. The shifted infill is now activated along with the headland swath.
15. Tap **Boundaries**. Activate the inner headlands boundary.
16. Tap **Exit** to close the Field Manager.
17. Verify that the shifted infills are now shown and can be used for guidance.

## For More Information

Contact your local Trimble Regional Sales Manager.