

Prescriptions

AGRICULTURE

July 2019

TRIMBLE RESELLER CONFIDENTIAL

Using Prescriptions in Precision-IQ

Note: This feature is optional and requires a license. See [App Central: Installing Licenses from a USB Drive](#).

The information in a prescription is used to send target rates to the variable rate controller. Applied rates are received from the controller, and both target and applied rates appear on the screen. With prescriptions functionality, you can:

- Transfer one or more prescription files to or from the Precision-IQ application (import or export).
- Assign a prescription to a channel.
- Use a prescription to determine the rates to be applied in different areas of a field.

On the Run screen, tap the **Prescriptions** icon to open the Prescriptions Manager:



You can use the Prescriptions Manager to assign a prescription to a channel.

The following ESRI shape-file formats are supported:

```
<prescription_name>.shp  
<prescription_name>.dbf  
<prescription_name>.shx
```

See also:

- [Importing Prescriptions](#)
- [Exporting Prescriptions](#)
- [Assigning a Prescription](#)
- [Using a Prescription](#)

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Importing Prescriptions

Note: If you are using USB to import, make sure your USB drive has the AgData folder on the root, and the prescription files are in this folder.

You can import prescription files using a USB drive or through Office Sync.

1. When transferring using USB, at the USB list on the left side of the data transfer panel, you can select the entire prescriptions folder or individual files within the folder.

The prescription on a USB drive should be stored in the \AgData\Prescriptions\ folder.

2. During the transfer, the Precision-IQ application shows the progress of the transfer.
3. If the amount of polygons exceeds the limit that can be stored by the Precision-IQ application, a warning message displays.

Note: Depending on the complexity of the polygons, a prescription with 2500 rate points will load. Above this, the Rx will likely load but may take a while to do so. A prescription with over 5000 may fail to load properly.

Exporting Prescriptions

Note: If you are using USB to export, make sure your USB drive has the AgData folder on the root.

You can export prescription files from the Precision-IQ application using a USB drive.

Assigning a Prescription

Before you can assign a prescription, you must:

- Have an open task.
- Have an active application channel.

To assign a prescription:

1. Make sure you have a field selected.
2. At the Run screen, tap the **Prescriptions** icon to show the Prescriptions Manager screen.
3. On the left, tap the channel you want to assign the prescription to.
4. Tap the **Prescription** drop-down menu. The Precision-IQ application displays a list of prescription files. Tap the prescription file you want.

Prescription Assignment

CHANNEL 1 Gran, Granular Fertilizer	Prescription Test Field RX
CHANNEL 2 gran2, Granular Fertilizer	Rate Column 123_urea
	Lead Time 0.00 seconds
	Off-Prescription Behavior Last Rate

← **BACK**

5. Select the **rate column**, **Unit of Application**, and **Off Prescription Behavior**.

If the Off Prescription Behavior is set to **Default Rate**, then enter the desired rate.

6. Once you have completed the information, tap **Save**.
7. Repeat the process for any additional channel that requires a prescription assignment.
8. When done, tap **back** to return to the Run screen.

Using a Prescription

Before you can use a prescription, you must:

- Have a field selected.
- Assign the prescription to a channel.

To use a prescription, complete the following steps.

1. Make sure you have a field selected.
2. At the Run screen, tap the **Rate Control Adjustment** button:



The rate control adjustment buttons display.

3. To begin using the prescription, tap the **Prescriptions** icon.

The other buttons will become gray and cannot be tapped unless you stop using the prescription. Follow the onscreen wizard to assign prescription rate columns to the individual channels.

4. Verify the following details:
 - Rate column assignments
 - Units
 - Lead Time
 - "When Outside Prescription" behavior
5. Navigate to the **Rate Widget, Expand** individual channels in the rate control widget of the run screen and switch the Rx button to **On**.
6. View the prescription on the Run screen:
 - a. Click the **Layer** button.
 - b. Click the gear wheel icon (top right) of the "Available Layers" dialog and select "Applied Rate" layer:
 - Adjust the Min and Max values to match the values stored in the prescription map
 - Enter an appropriate number of "Steps"
7. To stop using the prescription, tap the **Prescriptions** icon.

For More Information

Contact your local Trimble Regional Sales Manager.