Changelog

SGPA3

Automated Process Management System

Some applications mentioned in this report may not be available in the feature pack in your SGPA 3.0

Thank you for being a SGPA 3.0 user!

We update our system in order to fix bugs, improve performance and add new features to bring a better user experience and contribute to a management with greater quality and efficiency.

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1. SGPA3

1.1 Improvements

1.1.1 PBI Report – Checklist (Sugarcane)

Improvements made to the PBI "Checklist" Report for the Sugarcane Vertical. Updates were made to the "Report" and "Table" tabs, two new tabs were implemented, "Critical" and "History", and adjustment to update data every hour. The details of each tab are described below:

- **"Report" Tab:** Six graphs are displayed to classify the information by "Item by Criticality", "Items by Checklist Plan" and "Critical and Non-Conforming Items" at the level of Unit, Front Code, Checklist Plan, Equipment Model, Equipment Code, Operator Code, Checklist Item, Date and Year/Month.
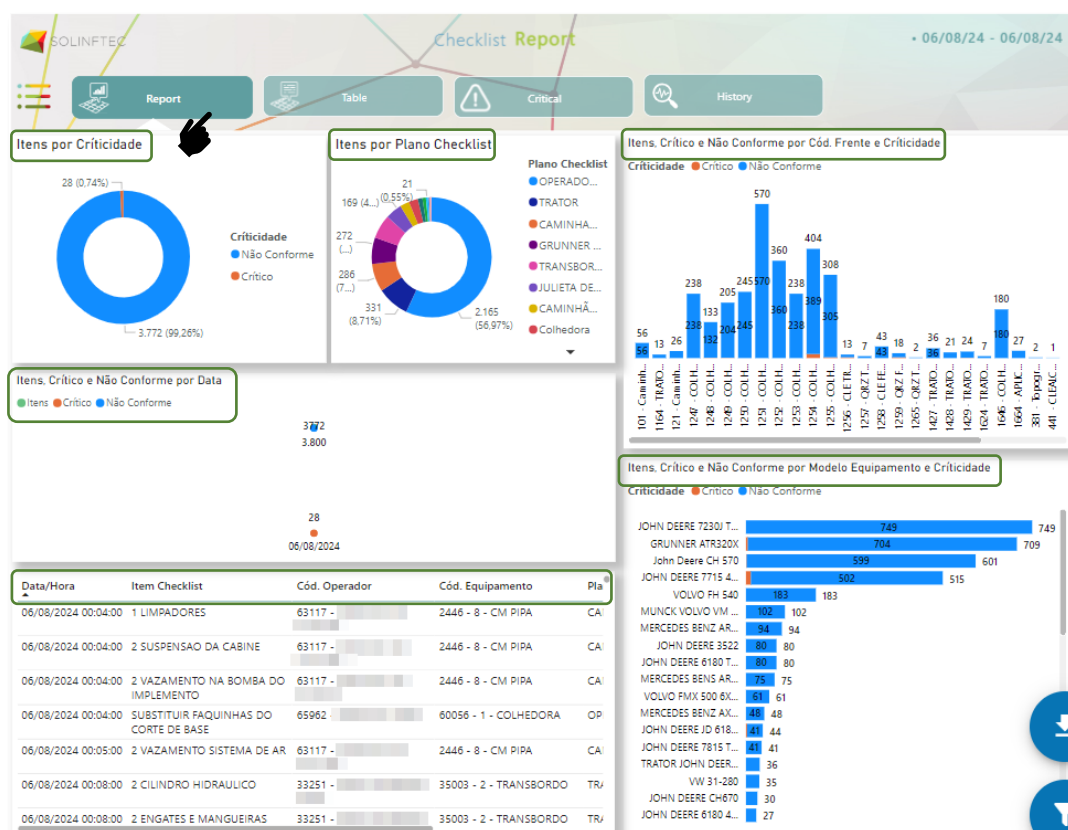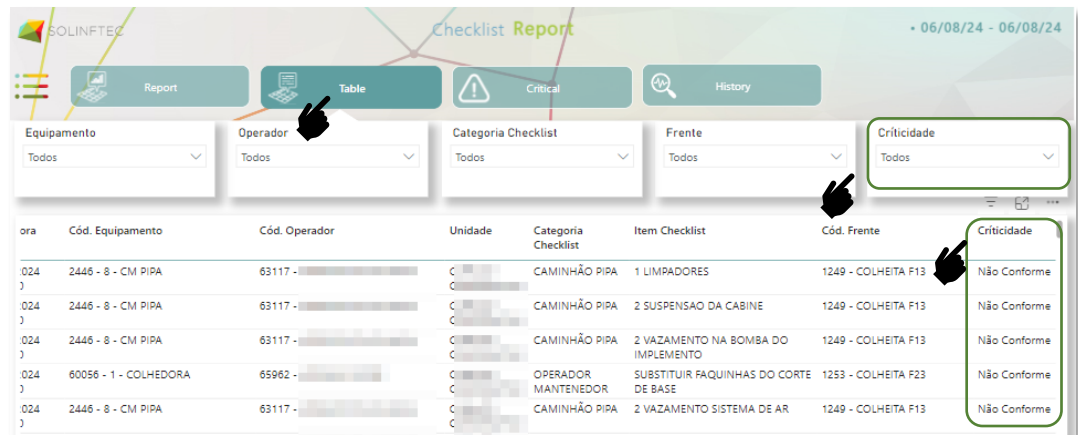

Image 01 – "Report" tab of the PBI "Checklist" of the Sugarcane Vertical

- **"Table" Tab:** Information on the Criticality level of the registered checklist item has been included.

Image 02 – "Table" tab of the PBI "Checklist" report with Criticality information

- **"Critical" tab:** This new tab displays information on items classified as critical, such as the sum of Critical Items by Category, by Equipment, by Unit, by Day and the total number of Items in the selected period.
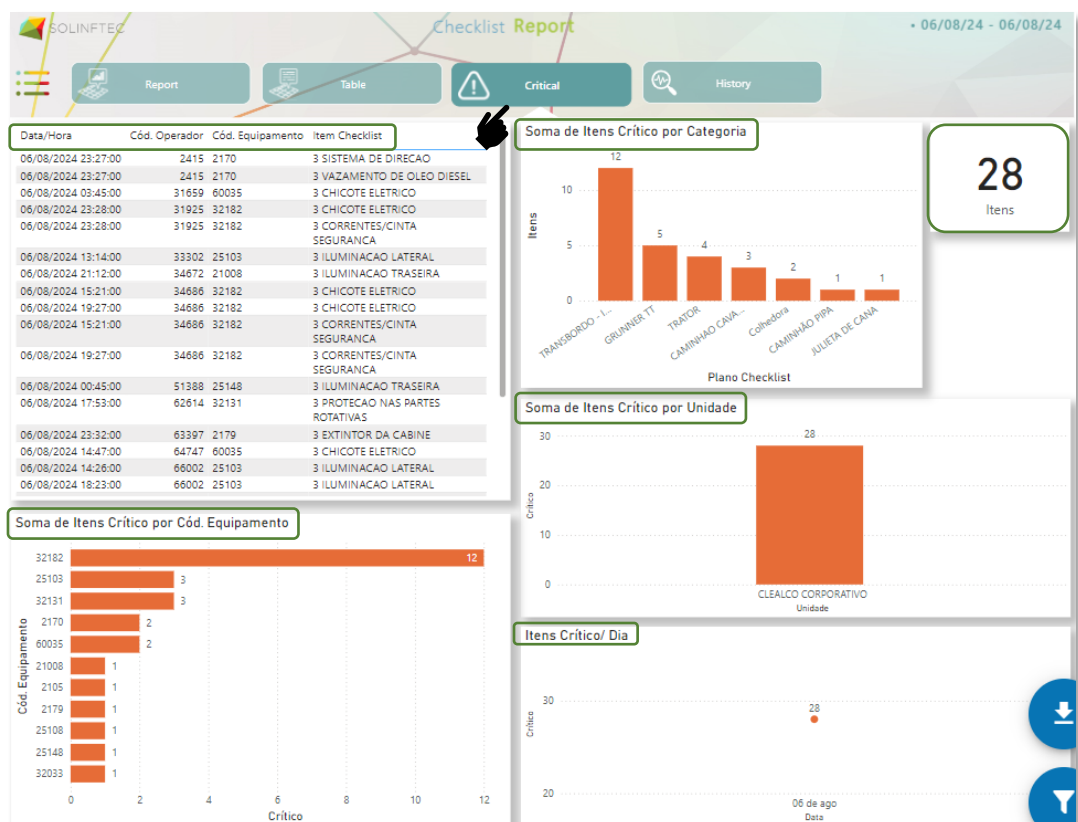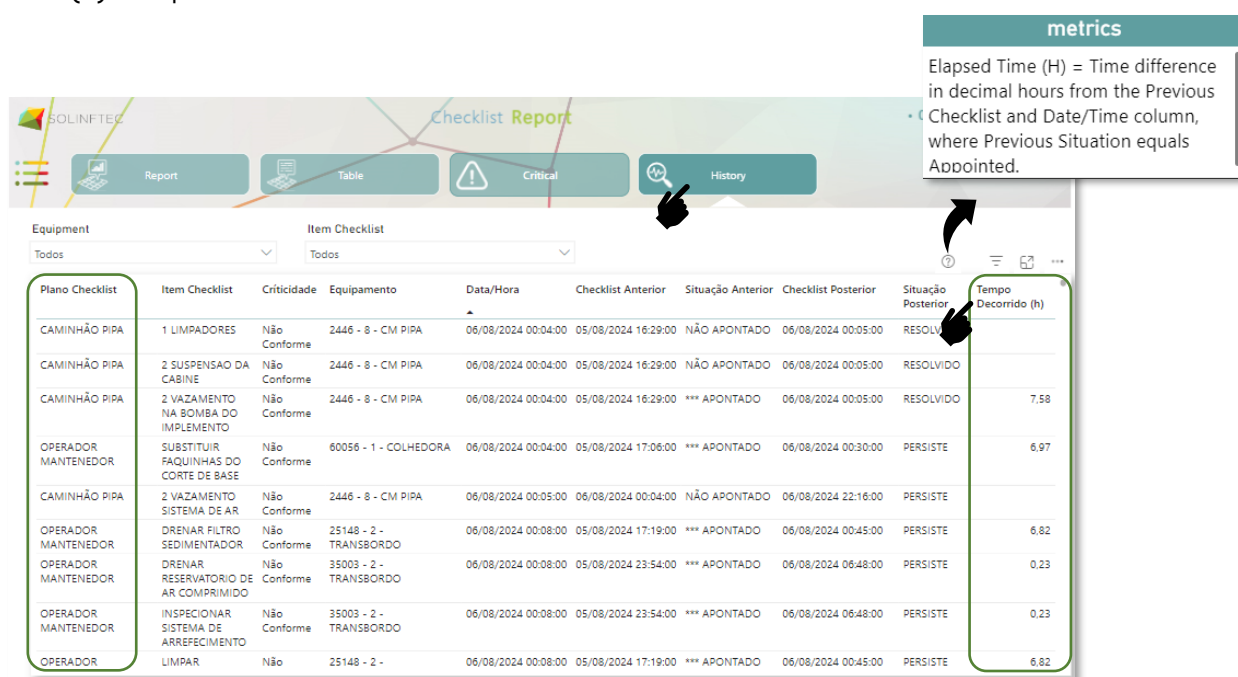

Image 03 – "Critical" tab of the PBI "Checklist" report for the Sugarcane Vertical

- **"History" tab:** Displays information regarding the checklist history, as well as the elapsed time, situations and times at which the items were recorded. In addition, it displays the "Checklist Plan" column, which was previously available in the "Table" tab.

⚠ The tab has the column "Elapsed Time (h)", in which to display data, it is necessary that the previous situation has the status Indicated. In the question mark icon (?) it is possible to view the metrics used.

Images 04 and 05 – Details of the "History" tab of the PBI "Checklist" report for the Sugarcane Vertical and information card with the metrics from the "Elapsed Time (h)" column

💬 Go to Main menu > Reports > PBI > Checklist

ℹ Available for Sugarcane Vertical Environments that have the "Checklist" solution active.

1.1.2 PBI Report – Fertigation Application

Improvement made to the PBI Report "Fertigation Application", of the Sugarcane Vertical, to add the information on "Minimum Initial Date" and "Maximum Initial Date".
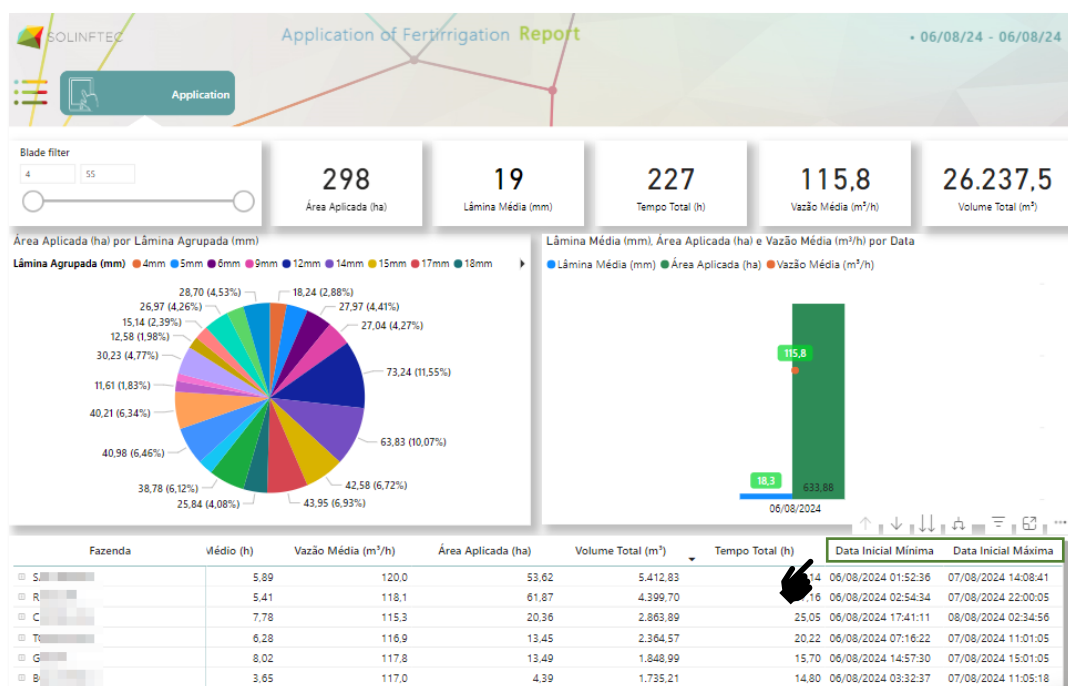
Image 06 – New columns with Minimum Start Date and Maximum Start Date

💬 Go to Main Menu > Reports > PBI > Fertigation Application > Minimum Start Date and Maximum Start Date

ℹ️ Available for Sugarcane Vertical Environments that have the "Fertigation" solution active.

1.1.3 PBI Report– Efficiency (Perennials)

Improvements have been made to the PBI "Efficiency" Report for the Perennials Vertical. As of this version, the report is displayed with the following settings:

- **"General" tab:** the description of the "Time (h)" column was changed to "Working Time (h)" in the tables;

- **"Operational" tab:** the description of the "Time (h)" field was changed to "Available Time (h)" in the graph;

- **"Energy" tab:** changed the order of the "Energy Efficiency" graph to descending and changed the description of the "Total Distance (Km)" column to "Effective Distance (Km)" in the table;

- **"No Entry" tab:** added the "Stop Time" column to the table;

- **"Operator Shift" tab:** the description of the "Time (h)" field was changed to "Working Hours (h)" in the graph;

- Created the **"Management"** tab with information about the number of operators with effective time > 0, the amount of equipment with operational area > 0, effective time (h), management time (h), management efficiency (%), time (h) per machine state, downtime and main stops.
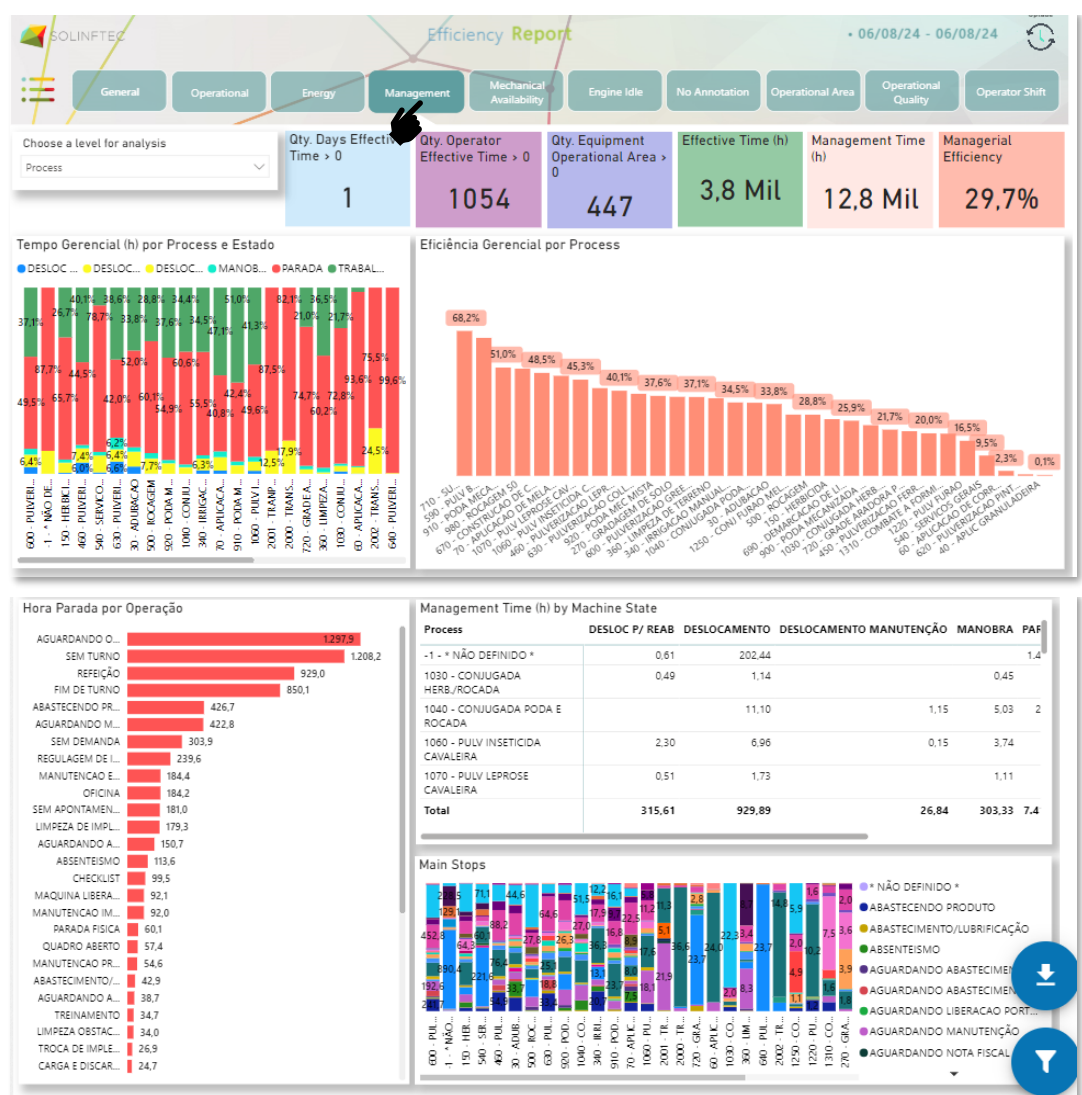
Images 07 and 08 –   New "Management" tab in the Efficiency report for the Perennials vertical

💬 Go to Main menu > Reports > PBI > Operational Reports > Efficiency

ℹ️ Available for Perennial Vertical Environments.

1.1.4 PBI Report – TPL Benchmark

Improvement made to the PBI "TPL Benchmark" Report, for the Grains and Perennials Verticals, to add the "MESORREGION" filter. This mesoregion filter is reactive to the "REGION" filter, that is, when selecting a region, the mesoregions that compose it will be displayed.
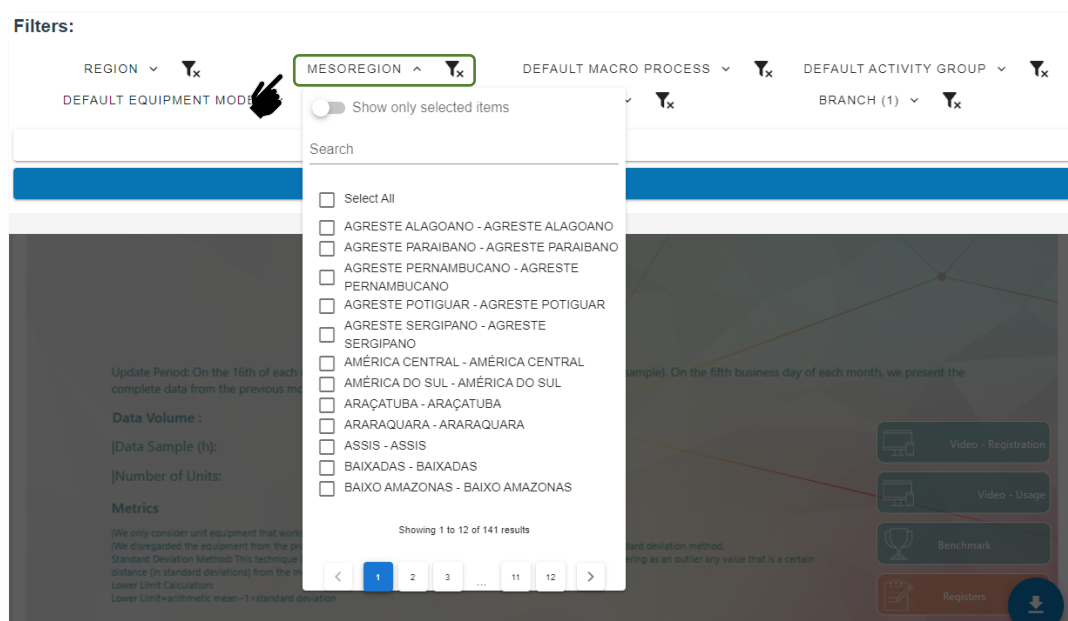

Image 09 – "MESORREGION" filter in the "TPL Benchmark" report of the Grains vertical
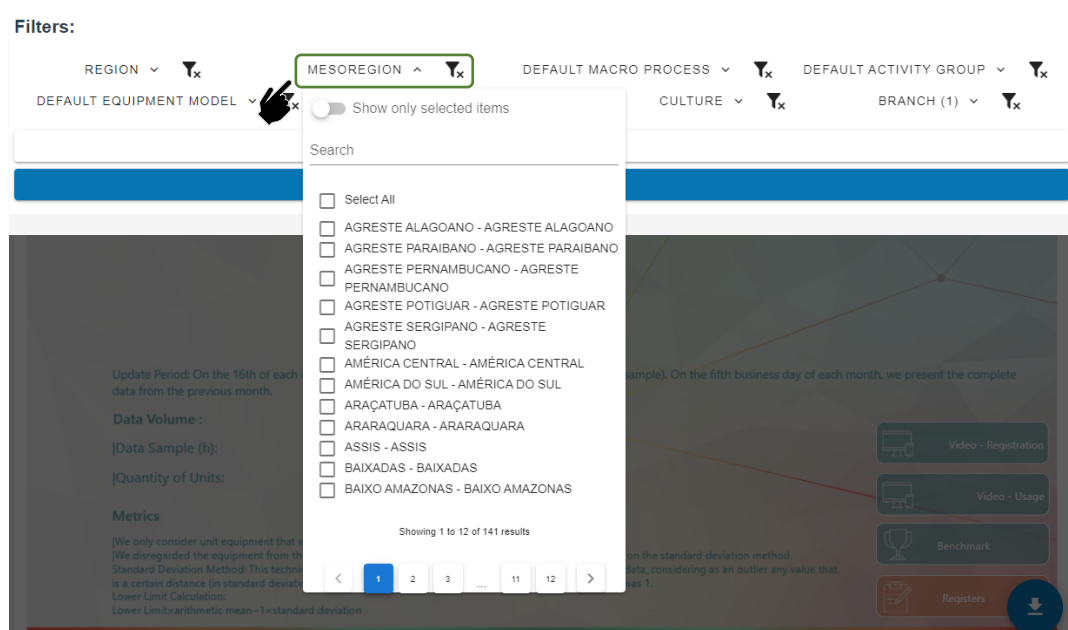

Image 10 – "MESORREGION" filter in the "TPL Benchmark" report of the Perennials vertical

💬 Go to Main Menu > Reports > PBI > Benchmark Menu > TPL Benchmark

ℹ️ Available for Environments that have the "Benchmark" solution active.

1.2 Bugs

1.2.1 Maps – Interpolation

Adjustment made to the Interpolation Maps to display colors consistent with the Legend. In addition, adjustment made when creating a profile in the Legend, to update data on the map.

💬 Go to Top menu > Maps > Interpolation

1.2.2 Maps – Fertigation/Irrigation

Adjustment made to the Fertigation/Irrigation Maps of "Average Pressure", "Average Flow" and "Average Blade", in order to display highlighted (colored) on the map only the trails with Working (Effective) status and display in gray the trails with other statuses (such as Displacement, Stopped, etc.).

💬 Go to Top menu > Maps > Line > Fertigation/Irrigation > Average Pressure, Average Flow and Average Blade

1.2.3 PBI Report – Climate Ranges (Perennials)

Adjustment made to the PBI Report "Climate Ranges", from Perennials Vertical, in order to change the "Wind" graph to consider the "Effective Time (h)" measurement.

💬 Go to Main Menu > Reports > PBI > Weather Reports > Climate Ranges > Climate Conditions > Wind

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