Changelog

SGPA3

Automated Process Management System
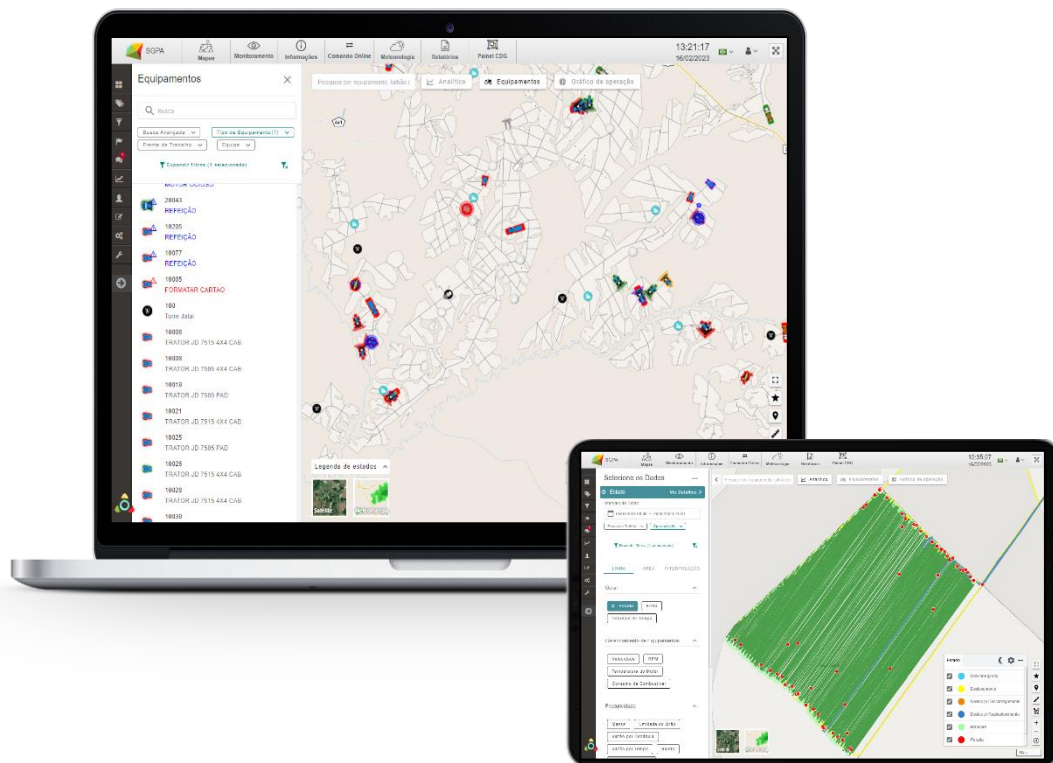
0Some applications mentioned in this report may not be available in the feature pack in your SGPA 3.0

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 Reports – Climate (Perennial and Cane)

Aiming to improve climate data management, the new PBI "Climate x Operation" Report was implemented for the Perennial and Sugarcane Verticals and improvements were made to the PBI "Climate Conditions" (Perennial) and "Climate Tracks" (Sugarcane) Reports.
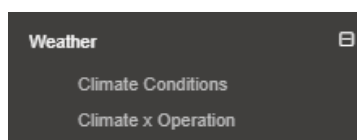

Image 01 – Climate Reports Menu

- **"Climate x Operation" Report:** The report aims to enable climate analysis within each agricultural operation and will present some data already present in the "Climate Conditions" and "Climate Ranges" reports from the previous version, but with improved information detailing. In this version, it will be possible to access the registered parameters to determine the indicators. The innovation is in the second tab, called "Analysis", where it will be possible to analyze the Operational Area considering Rainfall (mm), Downtime Hours Due to Humidity (%), Temperature (°C), Wind Speed (km/h) and Amount of Rain (mm). An additional relevant analysis is the possibility of calculating the Degree-Day value. To do this, it is necessary to enter the Minimum and Maximum Basal Temperature (°C). This calculation will allow to obtain the value of Accumulated Degree-Days, which is one of the most widely used methods to relate Air Temperature to Plant Development. All calculations and bibliographic references used are detailed in the report. On the cover of the report, you will find an explanatory video, in the "Video" option, on how to use the report.

Image 02 – Cover of the "Climate x Operation" Report of the Perennials vertical

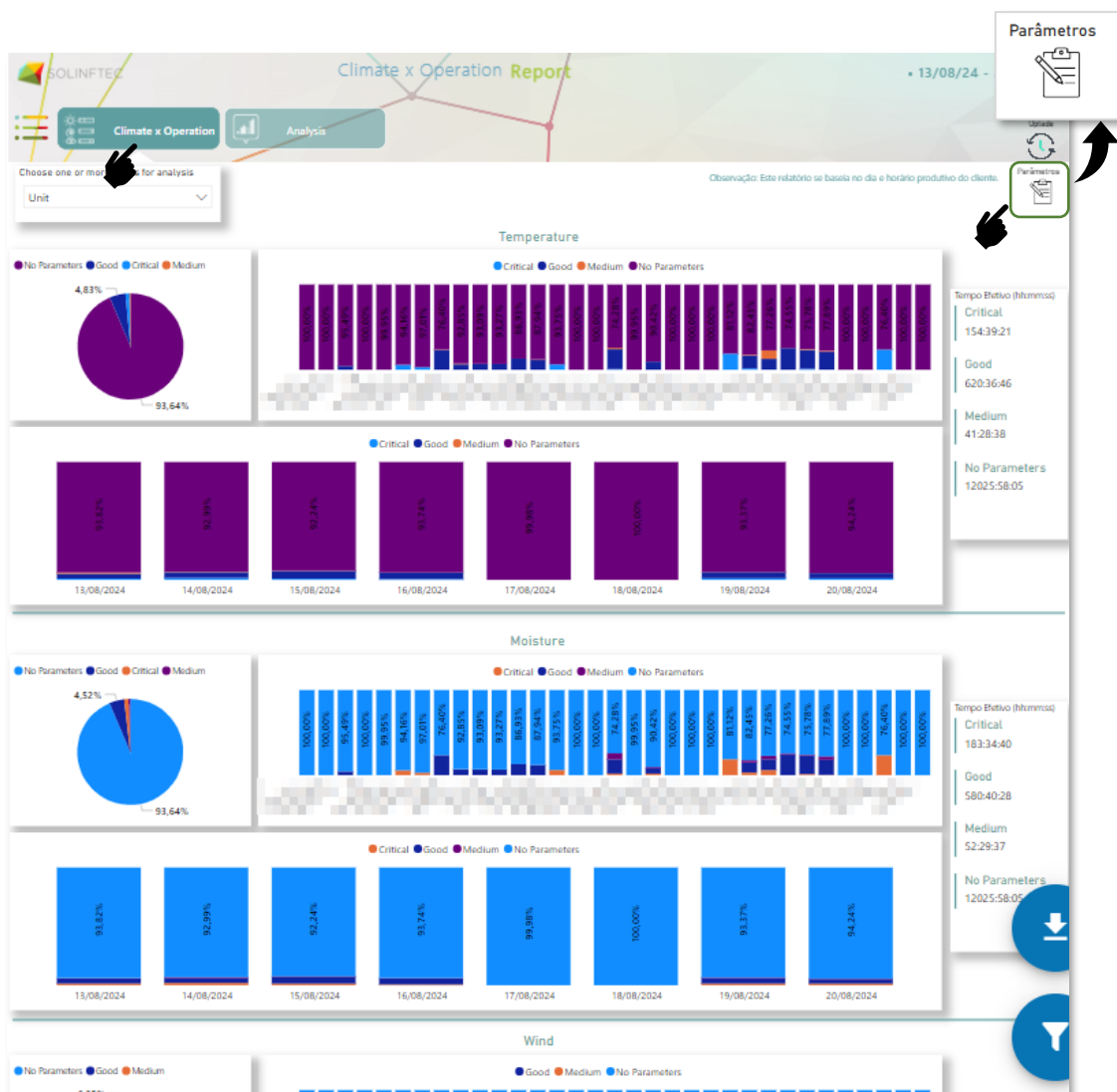Image 03 – Cover of the "Climate x Operation" Report for the Sugarcane vertical

Image 04 – "Climate x Operation" tab and icon that directs to the Parameters screen

Image 05 – Parameters view of the "Climate x Operation" tab

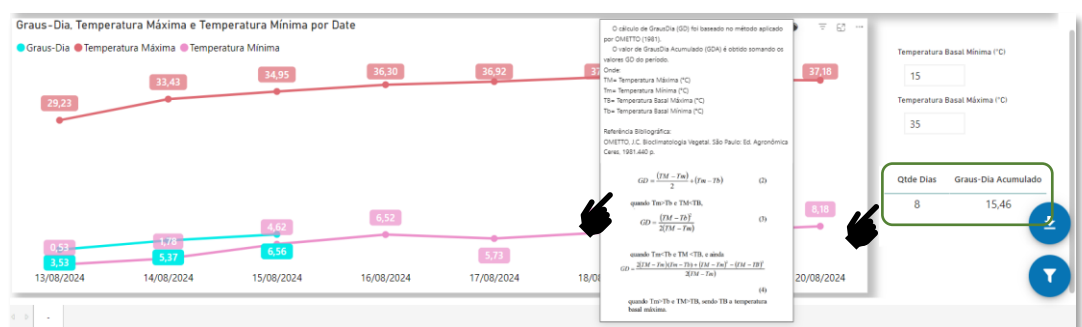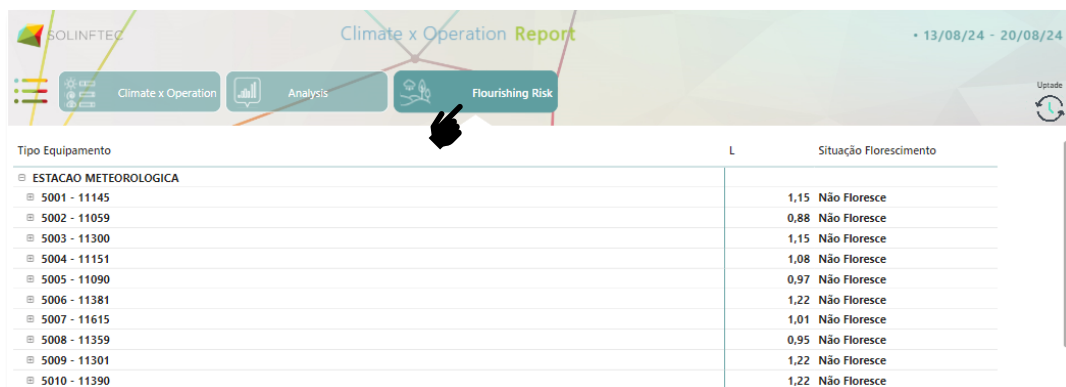Image 06 – "Analysis" Tab with Accumulated Degree-Day Indicator

Image 07 – Degree Day (GD) calculation details

Image 08 – The "Flourishing Risk" tab details available in the "Climate x Operation" report of the Sugarcane Vertical

- **"Climate Conditions" Report:** The report has undergone a complete overhaul and will replace the "Rain Gauge" report. It will present climate data obtained from Weather Stations and Rain Gauges, where it will be possible to continue analyzing data on Rain (mm), Temperature (°C), Humidity (%) and Wind Speed (km/h). New features include Wind Direction (Wind Roses) and Solar Radiation (w/m^2). In the second tab, the "Climate Report", it will be possible to extract indicators by Farm, Zone, Field and Equipment. The indicators include Humidity (%), Solar Radiation (w/m^2), Evapotranspiration (mm), Dew Point (°C) and Gust (km/h). An explanatory video is available on the cover of the report, in the "Video" option, on how to use the report.
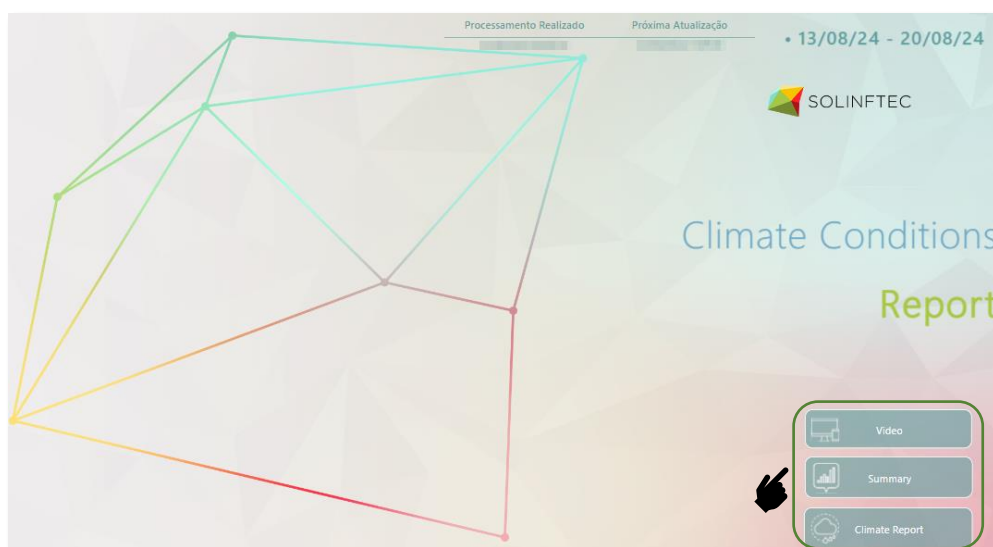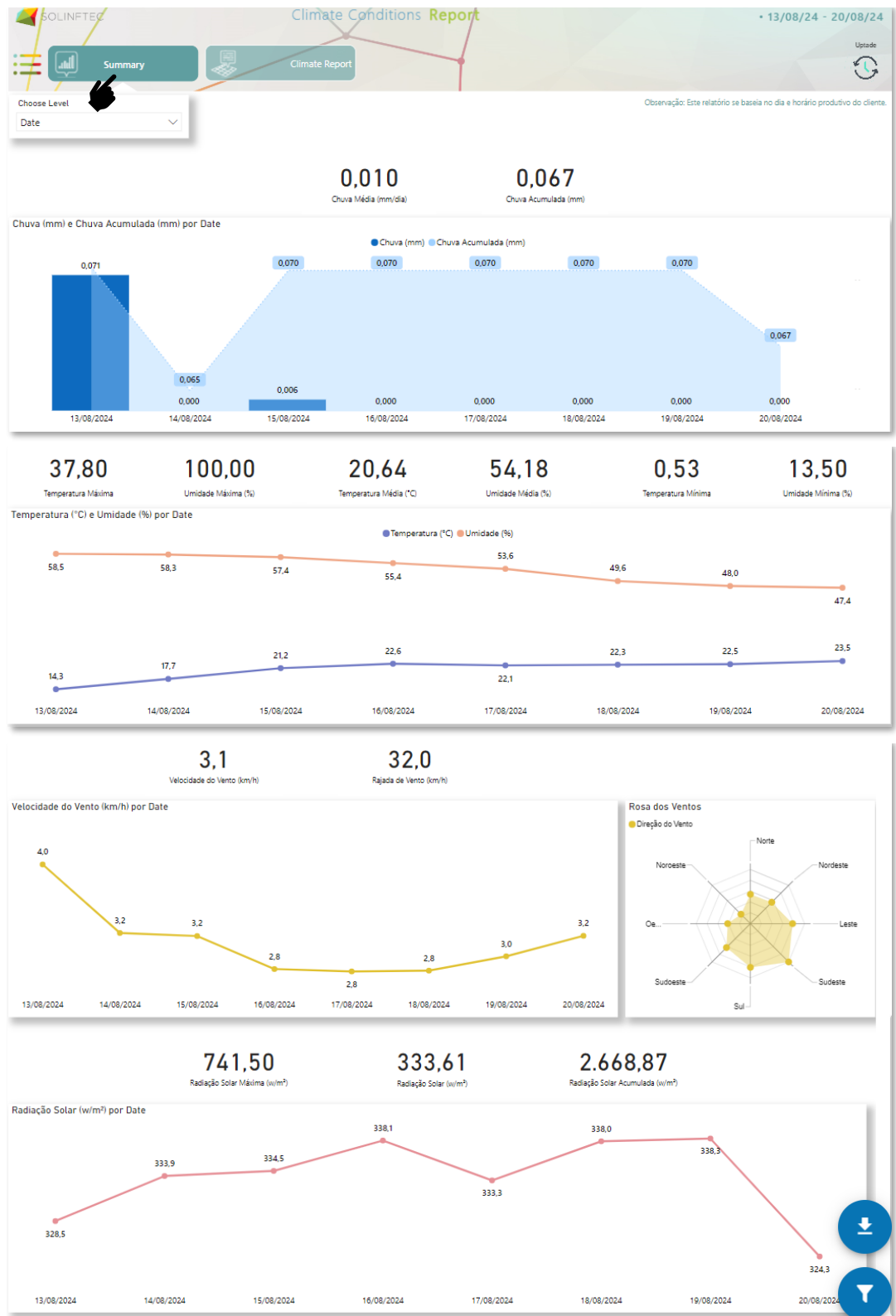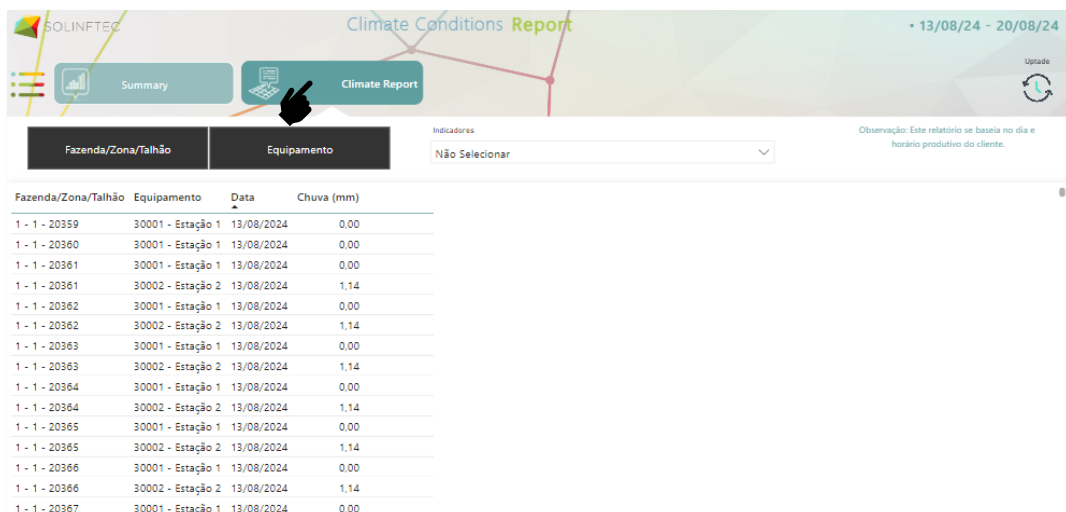

Image 09 – Cover of the "Climate Conditions" Report

Images 10, 11 and 12 – "Summary" tab of the "Climate Conditions" report

Image 13 – "Climate Report" tab of the "Climate Conditions" report

⚠️ Climate Reports are based on the client's productive day and time. Perennials vertical will receive the update in Alice's Climate Reports.

💬 Go to Main Menu > Reports > PBI > Climate > Climate x Operation and Climate Conditions
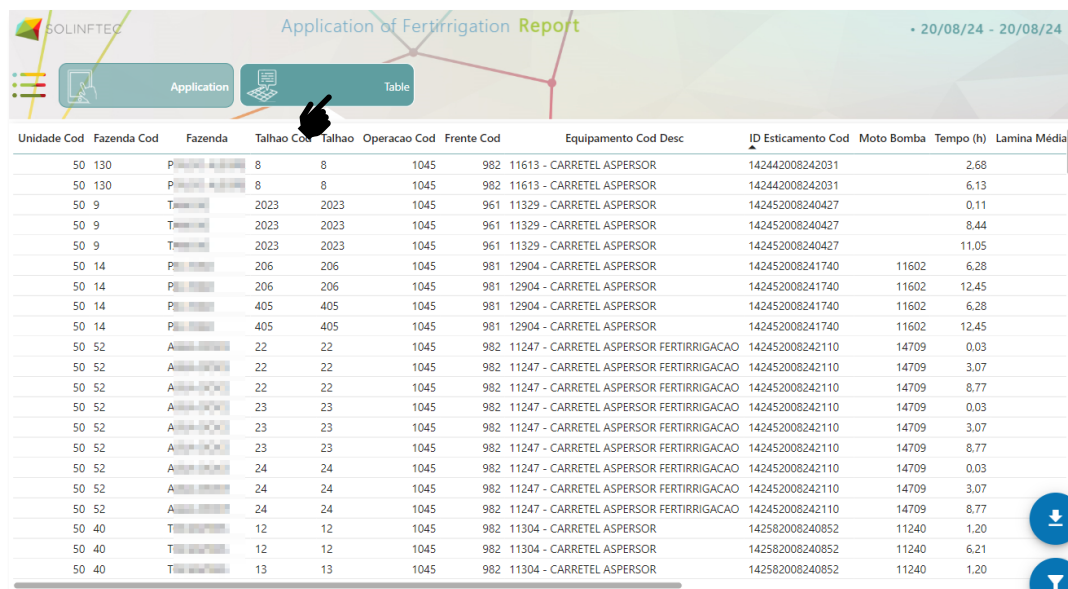
ℹ️ Available for the Sugarcane and Perennial Vertical Environments that have the "Climate" solution active.

1.1.2   PBI Reports – Fertigation Application

Improvement made to the PBI Report "Fertigation Application", from the Sugarcane Vertical, to add the new "Table" tab, with the aim of exporting the data presented there.

In this new tab, data will be available in columns, with the following information: Unit Code, Farm Code, Farm Description, Zone Code, Field Code, Operation Code, Front Code, Equipment Code, Stretching ID Code, Hydroroll type equipment code (Reel), Motor Pump type equipment code, Time (h), Average Blade, Field Area, Field Application Area, Average Flow, Initial and Final Date and Time.

Image 14 – New "Table" tab in the "Fertigation Application" report

💬 Go to Main Menu > Reports > PBI > Fertigation Application > Table Tab
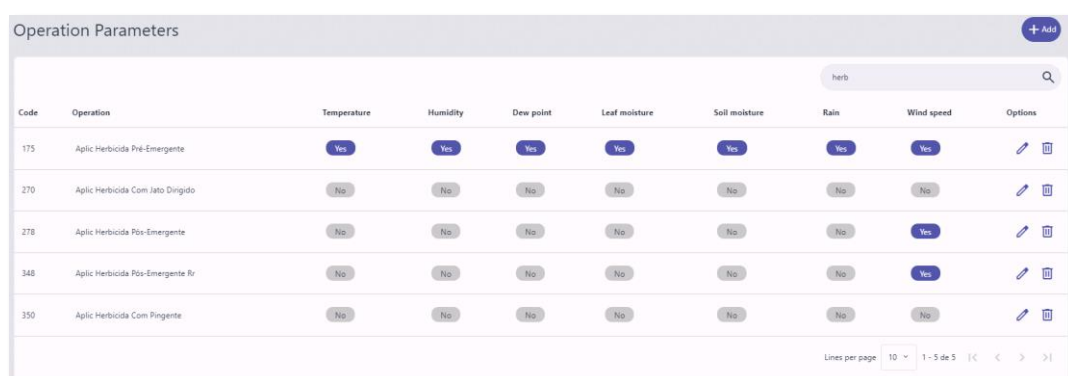
ℹ️ Available for Sugarcane Vertical Environments that have the "Fertigation" solution active.

1.1.3 Records – Operation Parameters

Improvements made to the "Operation Parameters" Registry. As of this version, the registry is displayed with a new layout.
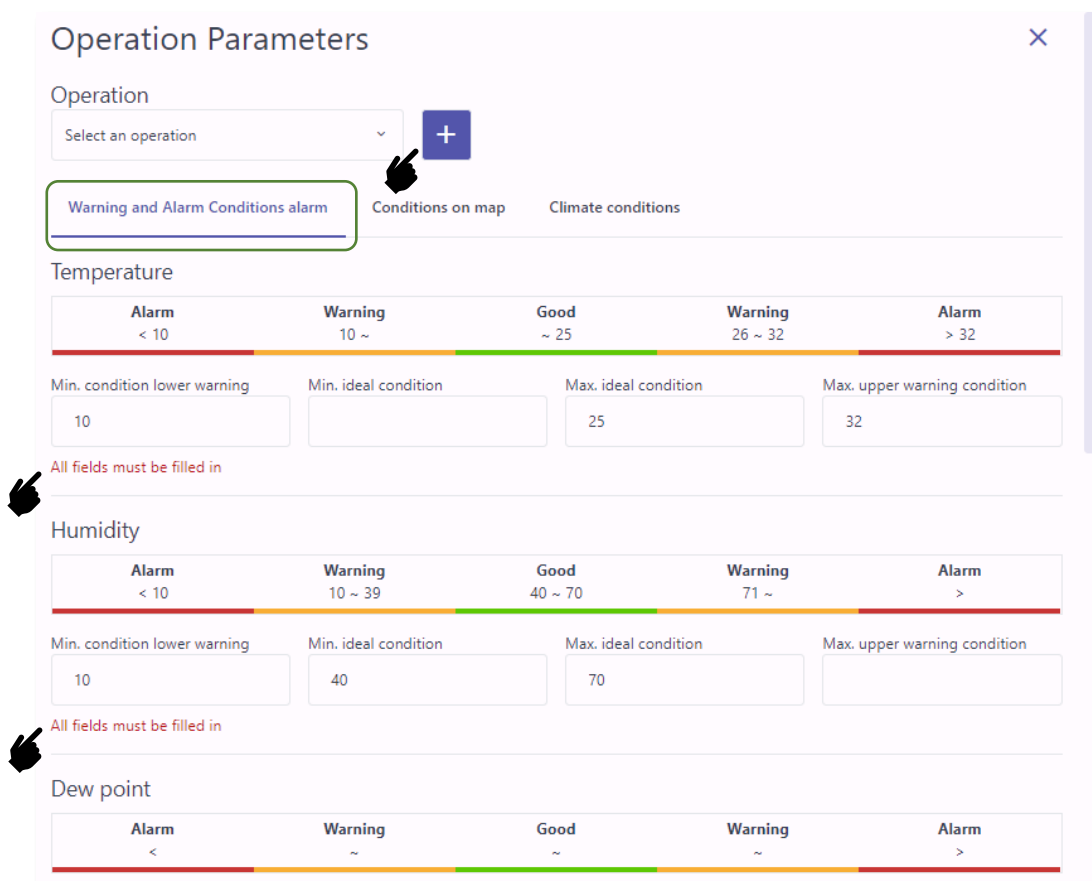

Image 15 – New layout for the "Operation Parameters" registration screen

- The screen for creating/editing an "Operation Parameter" record is divided into three tabs: "Warning and alarm conditions", "Map conditions" and "Weather conditions".

- In the "Warning and alarm conditions" tab, when adding values in one of the parameter fields, such as Temperature and Humidity, it is necessary to fill in the other parameter fields to allow the record to be saved.

- Using the button ⊞, it's possible to create an Operation without leaving the Operation Parameters registration screen.

Image 16 – Screen for creating/editing a new "Operation Parameters" record

- In the "Climate Conditions" tab, if you enter data in at least one field, you must fill in the other fields for the "Sandy" and "Clay" parameters to allow the record to be saved.
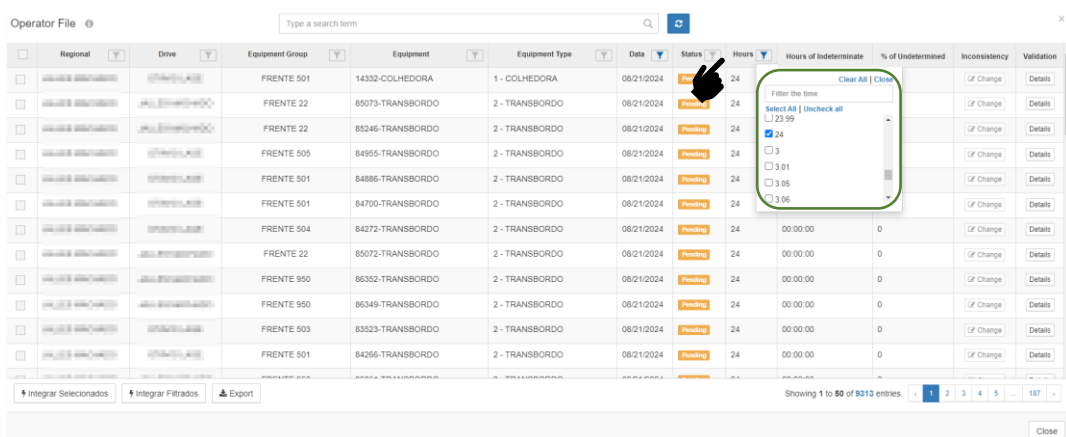
Image 17 – "Climate Conditions" tab with informative message about the need to fill in the fields

💬 Go to Main menu > Registrations > Operation > Operation Parameters

1.1.4 Tools – Operator's File

Improvement made to the "Operator's File" Tool to include a filter in the "Hours" column, thus making it possible to filter records according to the time interval.

Image 18 – New filter in the "Hours" column of the "Operator's File" tool

💬 Go to Main menu > Tools > Operator file > Hours > Filter

ℹ️ Available for Sugarcane Vertical Environments.

1.1.5 CDG Panel – Scale Contingency

Improvement made in the "Scale Contingency" screen of the "CDG Panel", to display the Date and Time according to the Unit's time zone, in the "Creation Date" column of the "List of Contingencies".

Image 19 – "Creation Date" Column in the Scale Contingency List

💬 Go to Top menu > CDG Panel > Scale Contingency > List of Contingencies > Creation Date

ℹ️ Available for Grains Vertical Environments that have the "CDG – Digital Certificate of Grains" solution active. Applied on 08/13/2024.

+55 (18) 3622-2270
Av. Brasília, 2.121 – Edif. New York Tower
Jardim Nova York – Araçatuba/SP

1.1.6 CDA Panel – Cotton Gin

Improvement made to the "Cotton Gin" tab of the "CDA Panel", to present in the report the information regarding: **Client, Farm, Fleet, Period, Hour, Total Modules Processed** and **Average per productive day.**

Image 20 – Cotton Production Report exported in the "Cotton" tab of the "CDA Panel"

💬 Go to Top menu > CDA Panel > Cotton Gin > Export > CDA Cotton Gin Production Report

ℹ️ Available for Environments in the Grains vertical that have the "CDA – Digital Certificate of Cotton" solution active.

1.2 Bugs

1.2.1 Maps – Worked Area

Adjustment made to the "Worked Area" map to display the data on the map when filtering by a <u>productive day</u>, that is, selecting the client's productive day and time in the "Date Range" filter.

💬 Go to Top Menu > Maps > Select Data > Date Range > Select a productive day > Area > Area Worked

1.2.2 Maps – Meteorology

Adjustment made to "Weather Maps by Area" to display in gray on the map only when the fields have null values, thus standardizing as indicated in the legend.

💬 Top menu > Maps > Top map menu > Meteorology > Weather Maps > Area > Legend/Map > Gray color > Information unavailable

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

1.2.3 Maps – CDA

Adjustment made to the "CDA" module of maps when selecting Equipment that has Module harvesting (Rolls) in more than one field, not multiplying the Module data displayed in the "Harvest Summary" of the PRODUCTIVITY parameter.

💬 Go to Top menu > Maps > Top map menu > CDA > Yield > Weight and Productivity > Harvest Summary

ℹ️ Available for Environments in the Grains vertical that have the "CDA – Digital Certificate of Cotton" solution active.

1.2.4 PBI Reports – Benchmark

Adjustment made to the MESORREGION filter of the PBI Benchmark Reports, in order to display the data in the filter according to the selected REGION.

💬 Go to Main Menu > Reports > PBI > Benchmark Menu > TPL Benchmark, Sugarcane, Harvester and Transshipment

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

1.2.5 PBI Reports – Cutting, Loading and Transporting Cane

Adjustment made to the "Front Diary" tab of the PBI Report "Cutting, Loading and Transporting Cane", of the Sugarcane Vertical, in order to display the values in percentage (%) in the bars of the "Cane Cutting Speed Ranges" graph.

💬 Go to Main Menu > Reports > PBI > Operational Hours > Cutting, Loading and Transporting Cane > Front Daily Tab

1.2.6 Report Generator – Checklist

Adjustment made in the "Report Generator", in the "Checklist" report in PDF format, to correctly display the values in the fields "Total Items", "Total Items with errors" and "Percentage of Items with errors".

💬 Go to Main Menu > Reports > Report Generator > Report Type > Checklist > Regional/Unit/Equipment/Operator – Checklist > File Type > PDF

ℹ️ Available for the Sugarcane Vertical Environments. Applied on 08/13/2024.

1.2.7 CDG Panel – Contingency in the Field

Adjustments applied to the "Field Contingency" screen of the CDG Panel:

• An adjustment was made so when editing a record and selecting the "2 – Harvester -> Transshipment" option in the "Unloading Type" field, it displays the Transshipment type equipment in the "Equip. with Received Load" field.

• In the Contingency List, an adjustment was made so when validating a record, the description of the user who performed the validation is displayed in the "User" column.

💬 Go to Top menu > CDG Panel > Field Contingency

ℹ️ Available for Grains Environments Vertical that have the "CDG – Digital Certificate of Grains" solution active. Applied on 08/13/2024.

In case of doubt or further clarification, please contact us via email suporte@solinftec.com.br *or call +55 18 3622 2270*