SOLINFTEC

Changelog

SGPA3

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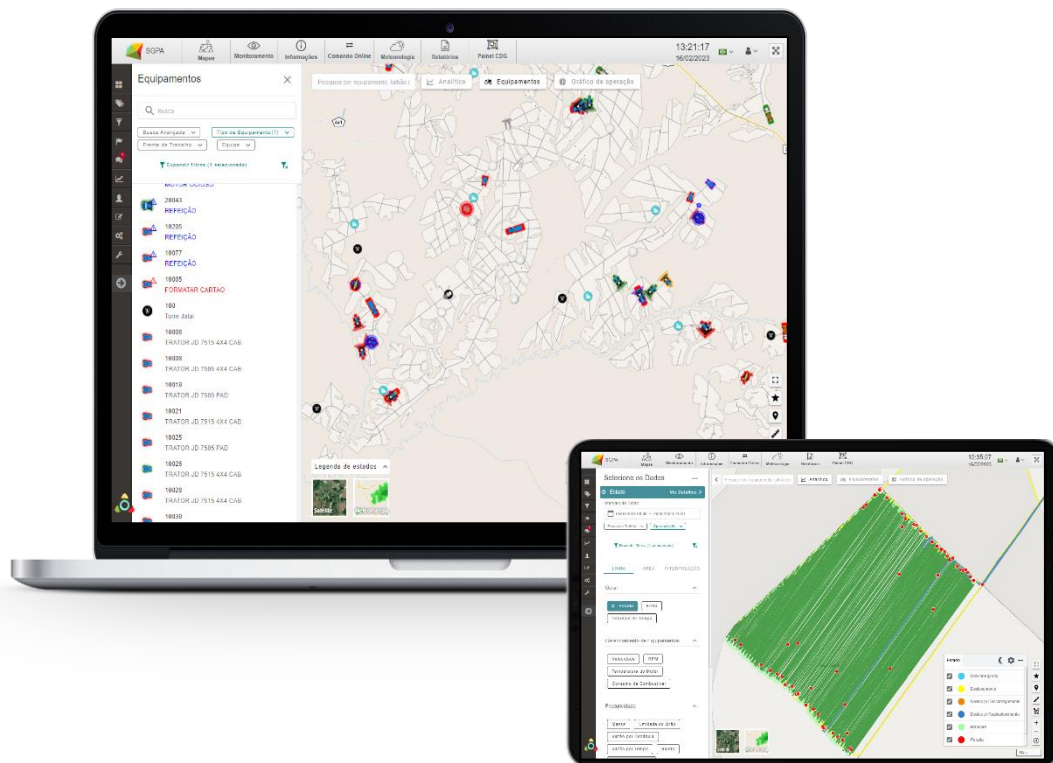
Some applications mentioned in this report may not be available in the feature pack in your SGPA 3.0

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 management

with greater quality and efficiency.

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1. SGPA3

1.1 New Features

1.1.1 Maps – Nutrient Calculator

A new feature has been implemented to complement productivity management related to Sugarcane Harvest operations. This new feature, called "Nutrient Calculator", aims to automatically generate nutrient replacement maps through the crop productivity layer.

The solution aims to use productivity data to prescribe the dosage of nitrogen (N), phosphorus (P), and potassium (K) in sugarcane. With the spatial analysis of productivity, it will be possible to identify the greatest productive potential of each fraction of the field. This way, based on agronomic models, the amount of nutrients plant by plant will be optimized.
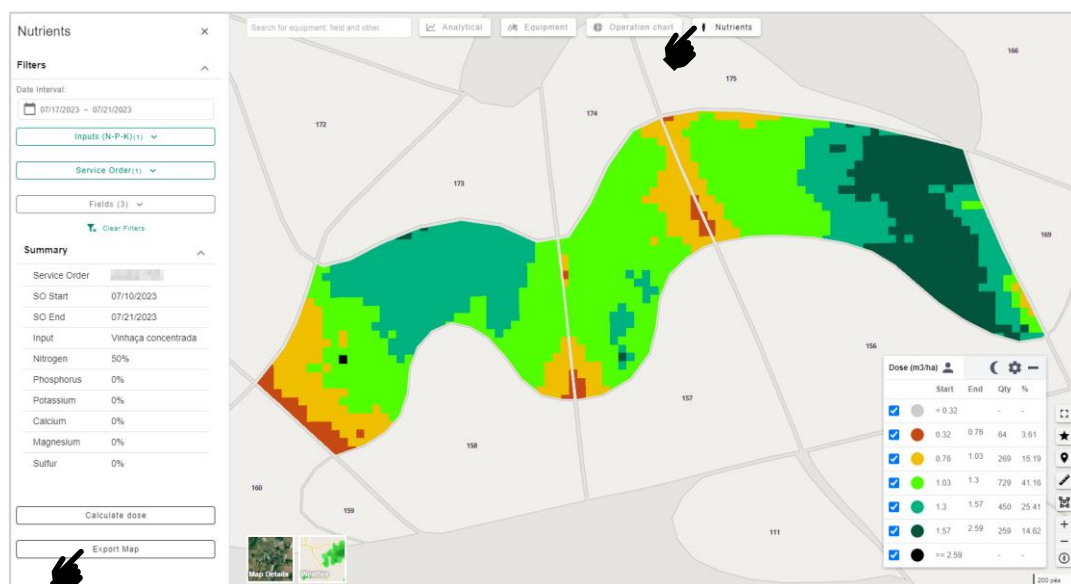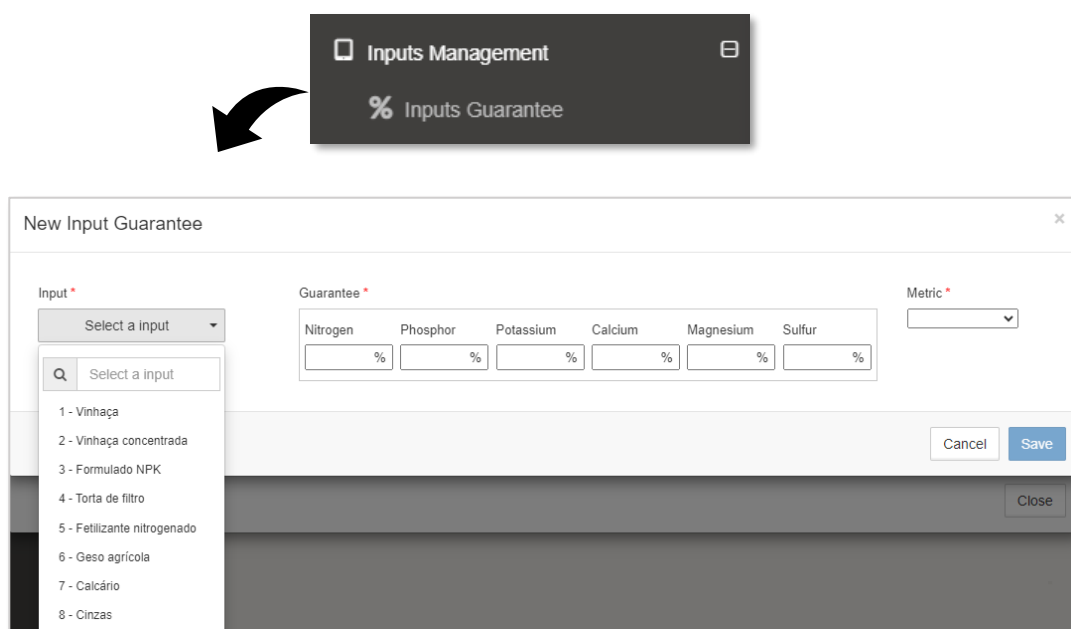

Image 01 – Nutrient Calculator

The functionality has the option of exporting the map in shapefile format with the calculated dose to apply the input in the correct amount, aiming at the longevity of sugarcane productivity, greater economic return, and reduction of environmental impacts.

To convert the productivity values into a dose of a certain input, the user must register the input guarantee to be used. In order to do this, the "Input Management" item was implemented in the registration menu.

Images 02 and 03 – Input Management Registration

💬 Go to Top Menu > Maps > Nutrients and in Main Menu > Records > Input Management > Input Guarantee

ℹ️ Available for Environments of the Sugarcane vertical that have the Yield Monitor solution enabled and have an active contract for the 2023 Harvest.

1.2 Improvements

1.2.1 PBI Reports – Harvester and Transshipment Benchmark

Improvements made in the PBI Reports "Harvester Benchmark" and "Transshipment Benchmark".

As of this version, the Outliers Rules applied to the data and used in each indicator of the Benchmark reports will be available.

The information will be available by clicking on the ⓘ icon on the right side of the reports, where the screen will be displayed in which it is possible to visualize how the indicators are calculated, the **cut rules** applied, the weights used to calculate the **General Ranking** and now which **Outlier Rule** is used in each indicator.
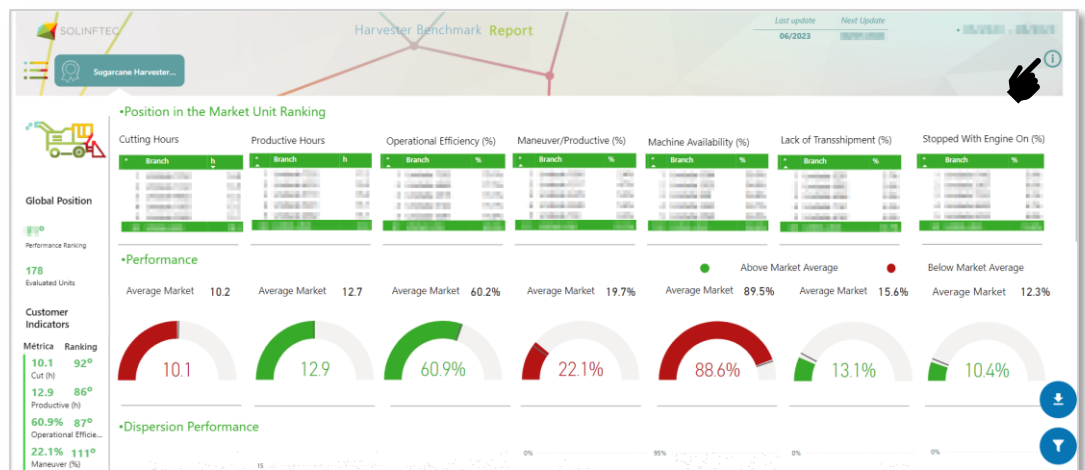
Image 04 – Harvester Benchmark Report
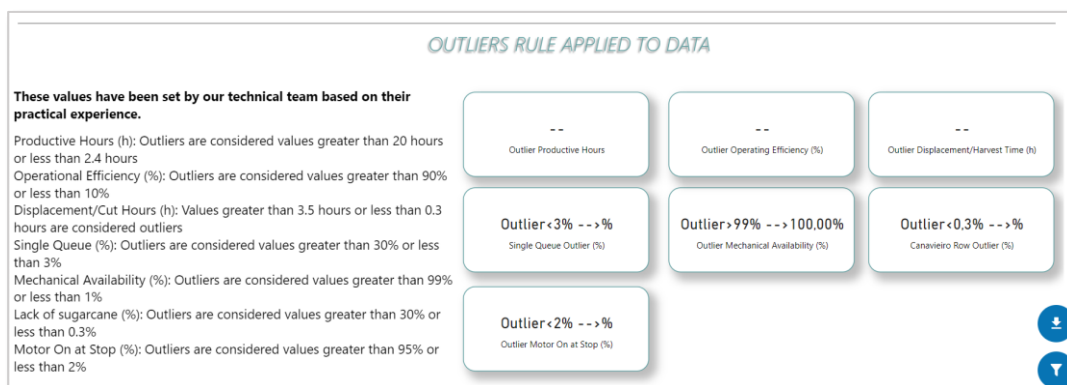
Image 05 – Outliers Rule Applied to Transshipment Benchmark Report Data
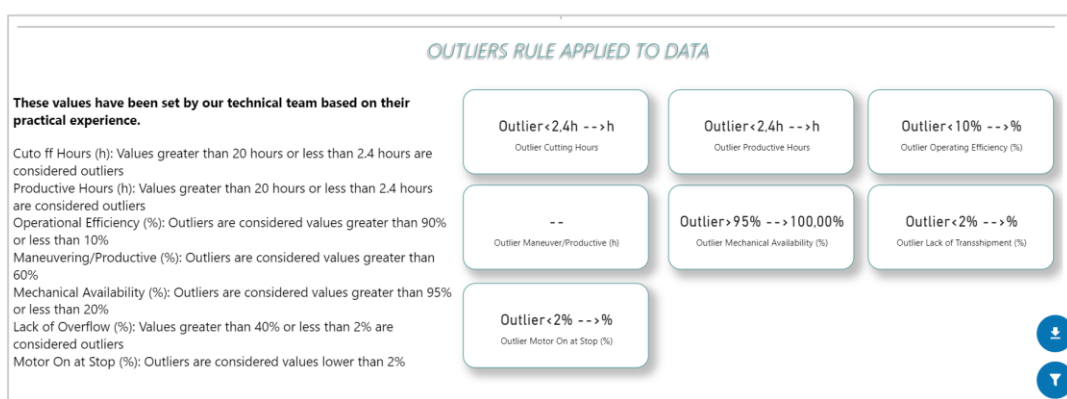
Image 06 – Outliers Rule Applied to Harvester Benchmark Report Data

💬 Go to Main Menu > Reports > PBI > Benchmark Menu > Harvester Benchmark / Transshipment Benchmark > ⓘ Icon > OUTLIERS RULE APPLIED TO DATA

🛈 Available for Environments of the Sugarcane vertical.

1.2.2 Records – Rain Gauge Parameter

Implemented a new field in the "Rain Gauge Parameter" Record to select whether the equipment should send updates of the meteorology fields to the stations that communicate via GPRS.
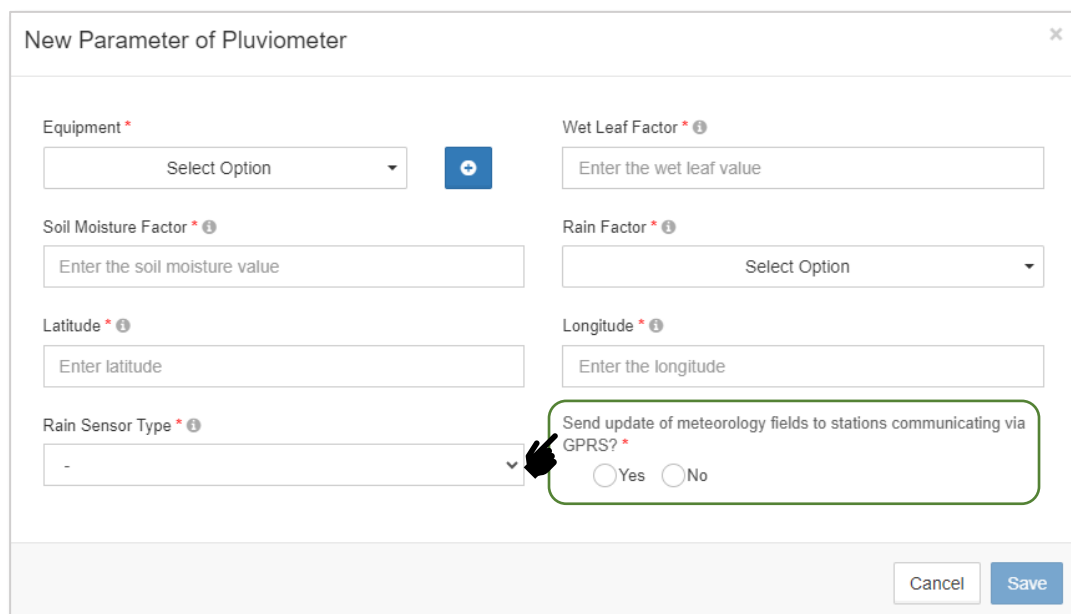
Image 07 – New field "Send update of meteorology fields to stations communicating via GPRS?"

💬 Go to Main Menu > Records > Equipment > Rain Gauge Parameter > Send updates of meteorology fields to stations that communicate via GPRS?

1.3 Bugs

1.3.1 Maps – CDA (Digital Certificate of Cotton)

Adjustment applied to the CDA (Digital Certificate of Cotton) Map, in the "Variety" parameter, so if deselect the "Without information" option from the Legend, the corresponding modules (Rolls and Bales) will not be displayed on the map.

💬 Go to Top Menu > Maps > CDA > Parameters > Variety > Legend > Without information

ℹ️ Available for Environments of the Grain vertical that have the CDA (Digital Certificate of Cotton) solution enabled and with an active contract for the 2023 Harvest. Applied as a hotfix on 07/19/2023.

1.3.2 Maps – CDA (Digital Certificate of Cotton)

Adjustment applied to the CDA Map (Digital Certificate of Cotton) for the values referring to the Rolls **weights** be correctly displayed in the "Productivity" and "Weight" parameters.

💬 Go to Top Menu > Maps > CDA > Parameters > Weight and Productivity

ℹ️ Available for Environments of the Grain vertical that have the CDA (Digital Certificate of Cotton) solution enabled and with an active contract for the 2023 Harvest. Applied as a hotfix on 07/19/2023.

1.3.3 Maps – CDA (Digital Certificate of Cotton)

Adjustment applied to the CDA Map (Digital Certificate of Cotton) to display the data when inserting the ID in the module (Roll and Bale) in the "Search by module" field.

💬 Go to Top Menu > Maps > CDA > Search by Module

ℹ️ Available for Environments of the Grain vertical that have the CDA (Digital Certificate of Cotton) solution enabled and with an active contract for the 2023 Harvest. Applied as a hotfix on 07/19/2023.

1.3.4 Monitoring – Trail

Adjustment made to the Equipment Trail **Graph** and **Table** to display the **Fuel Consumption** data correctly on both screens.

💬 Go to Top Menu > Monitoring > Equipment > Pop-up > Trail > Graph and Table > Fuel Consumption

1.3.5 Records – User Group

Adjustment made in the **User Group** registration to not allow the insertion of **Equipment Profiles** that have all inactive equipment. In addition, the **failure message** that is displayed when trying to save a **User Group** that has one or more units that do not belong to a **Unit Profile** has been fixed.

💬 Go to Main Menu > Records > Administration > User Group

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