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 Modules – CDA Panel

In order to improve the management of Cotton Harvest data, the "CDA Panel" was implemented. This new module aims to present cotton production and processing indicators, allowing greater detail in the cotton production traceability process within the farm.

Image 01 – Shortcut to the CDA Panel available in the top menu of SGPA3

The information in the "CDA Panel" is distributed across three tabs, allowing greater interaction with the user. Below are the details of each tab:

- **"Overall Vision":** This tab displays the general indicators of the production unit for the selected period, with the possibility of filtering by "Module Type" (Roll/Bale) and "Control Locations" (Scale/Cotton Plant/Yard). The tab displays the "Stock Flow" data, with the number of modules **without RFID, in the Field, in the Yard, Processed, the Total Modules** and **the Total Modules with RFID**. In addition, there is the visualization of **Historical** data in a table view, at the Farm/Zone/Field (F-Z-F) level, with the columns **Total Modules, Total Harvested Area (%), Variety, Average Weight (kg), Plant Humidity average fiber (%), Average productivity (kg/ha), Average air temperature (°C), Average air humidity (%), Without RFID, FIELD, SCALE, COTTON GIN** and in the last column, called **Details**, the report data is available for download in PDF format. In the F-Z-F column, clicking on the downward arrow expands the screen to display detailed data for each module.
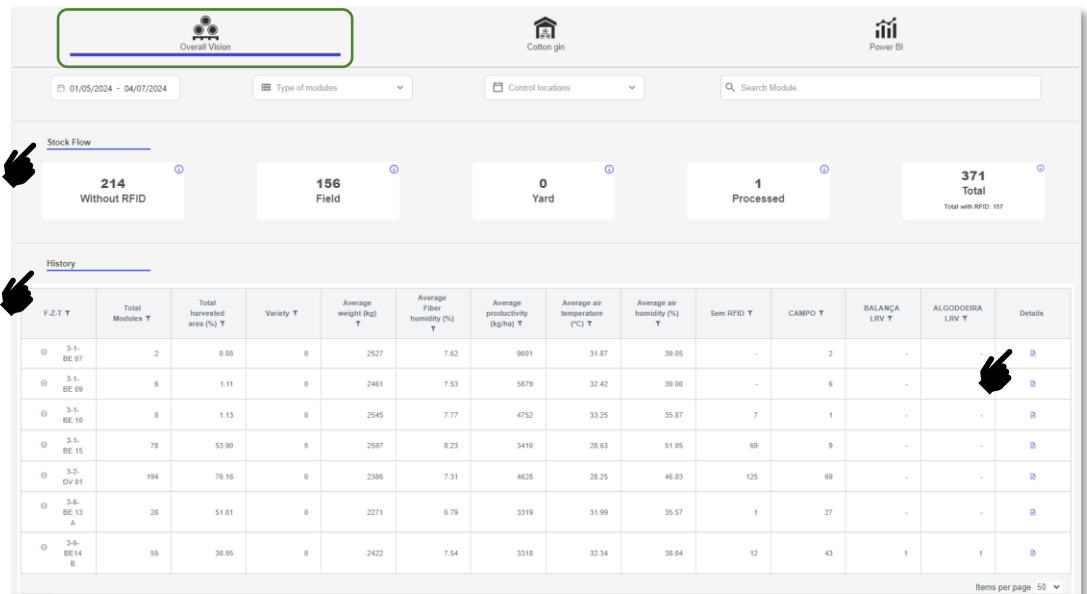
⚠️ The screen updates every 60 seconds.

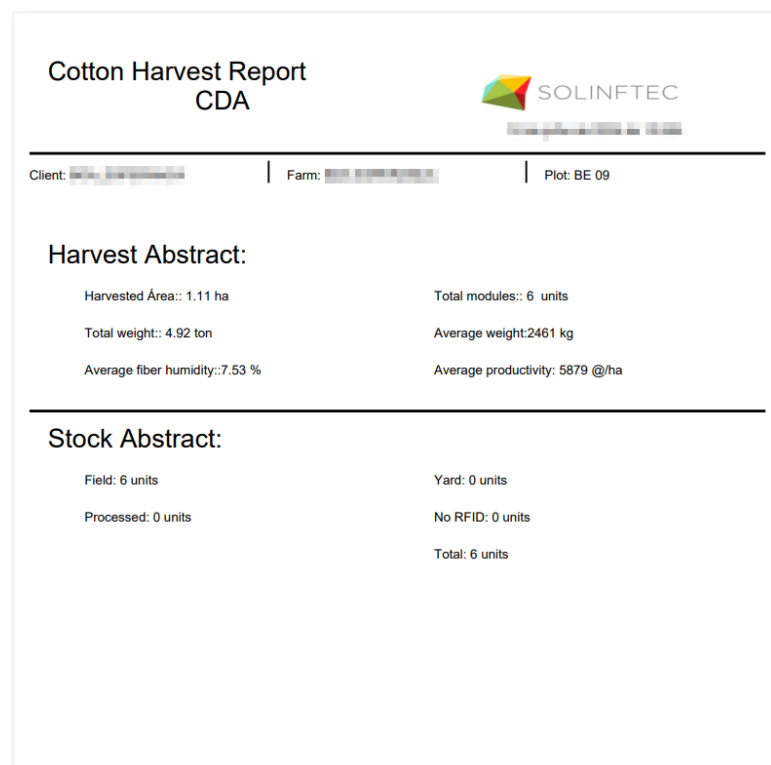Image 02 – Overall Vision tab in CDA Panel

Image 03 – Cotton Harvest Report available in the History table Details

Image 04 – Column F–Z–F expanded and displaying data from each Module

Image 05 – Clicking on the Details column displays a screen with Harvest Data and Module Data

- **"Cotton Gin"**: this tab presents cotton processing indicators at the unit, containing a general processing indicator. There're filters to select Cotton Gin, Date, Time and Module Type, and displays the "Cotton Gin Actual State", informing the Date and Time of the Last Update, the number of connected **Antennas** and the number of **Alarms**. In addition, it provides information on **Total Processed Modules** and the **Average number of modules processed per day**. Just like the "Overview" tab, the "Cotton" tab has **historical data** visualization in table view, with the columns **Counter, Cotton entrance, Module ID, F–Z–F, Equipment fleet, Weight (kg), Fiber moisture (%), Variety, Time in the field, FIELD, SCALE, COTTON GIN, Location and Anomaly.** Furthermore, in the lower right corner, there is a button to export the report with module input data.

⚠ The screen updates every 60 seconds.
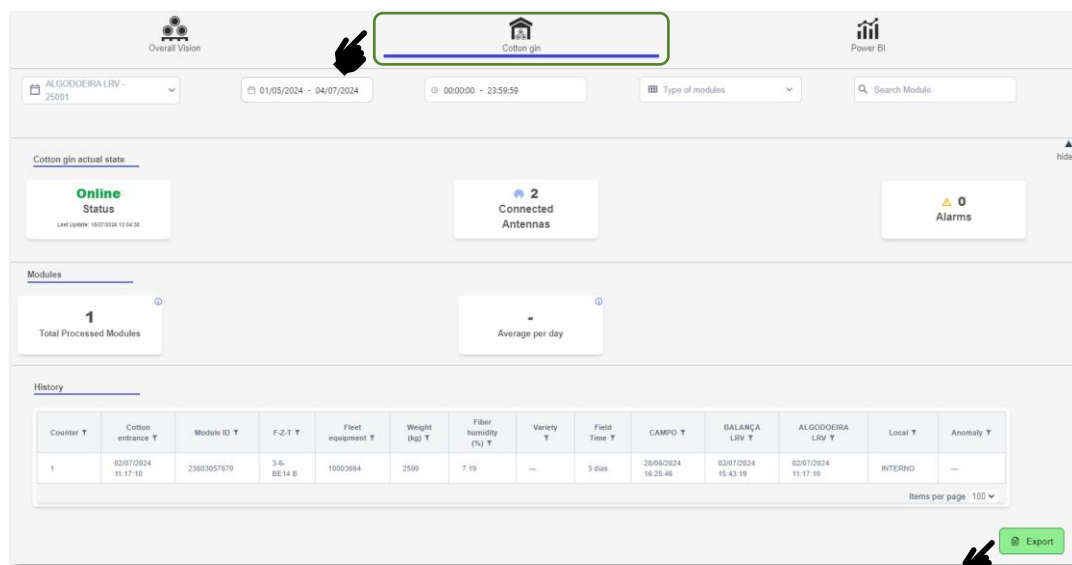
Image 06 – "Cotton Gin" tab of the CDA Panel

Image 07 – Report exported in the Cotton tab, containing the module input data

- **"Power BI":** By clicking on this tab, the user will be directed to the PBI Report "Digital Cotton Certificate".
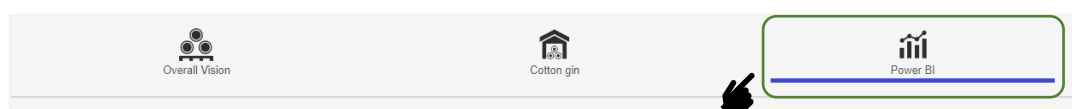
Image 08 – "Power BI" tab in the CDA Panel
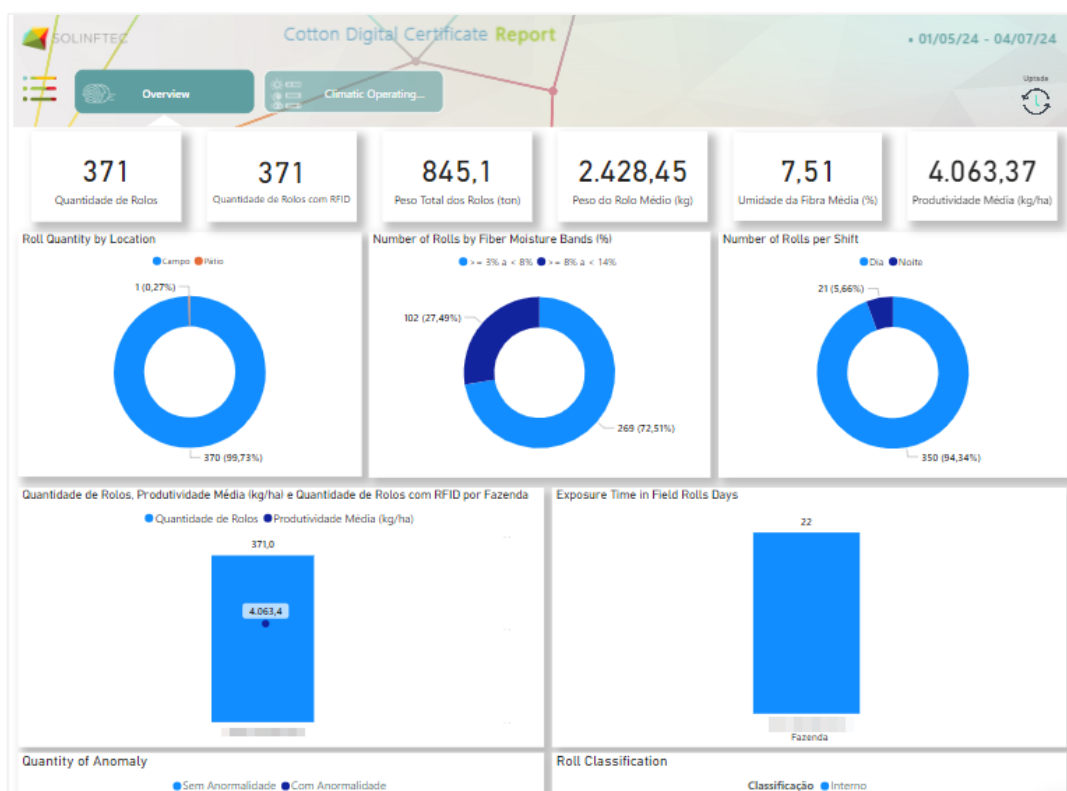
Image 09 – PBI "Digital Cotton Certificate" report that is accessed by clicking on the "Power BI" tab of the CDA Panel

💬 Go to Top menu > CDA Panel

ℹ️ Available for Environments that have the "CDA- Digital Cotton Certificate" solution active.

1.1.2 Maps – CDA

Improvements applied to the Maps "CDA" module:

• In the "Traceability" parameter, when there are only modules without RFID, the Legend and modules on the map are displayed in gray.

• Added the "Harvest Summary" with the total number of modules to the side menu.

• Adjustment made for Modules with ID equal to 0 to be treated as "No information".
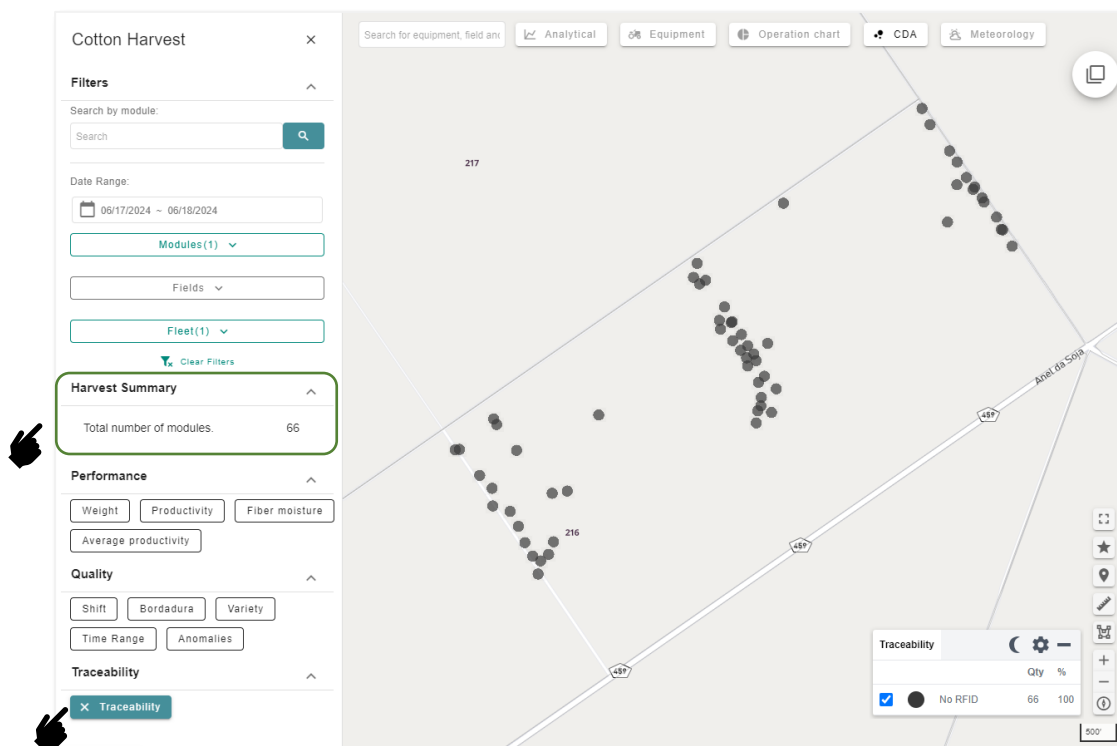
Image 10 – Displaying in the side menu the "Harvest Summary" with the total number of modules and in the "Traceability" parameter, modules without RFID are displayed in gray on the map and in the legend.

💬 Go to Top menu > Maps > CDA

ℹ️ Available for the Grains vertical environments that have the "CDA – Digital Cotton Certificate" solution active. Applied on 07/10/2024.

1.1.3 Maps – Layout

Improvement made to the Analytical Map Layout. From this version on, when creating or editing a profile in the Legend and saving, the "Apply legend" icon is displayed highlighted in blue, thus signaling to the user the need to click on the button to update the colors on the Map. Furthermore, the color of the tool icons located in the lower right corner of the Maps screen has been changed to follow the standard color of the other icons on the screen.
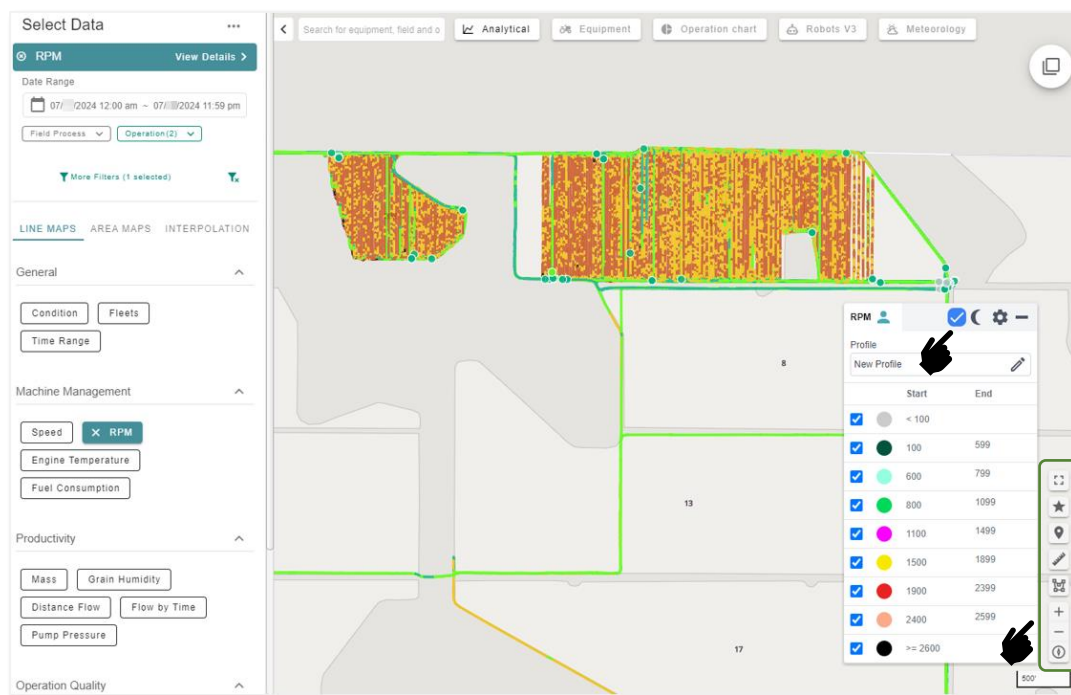
Image 11 – "Apply legend" icon highlighted in blue and tool icons in gray

💬 Go to Top menu > Maps > Legend > Profiles > Profile > Add value > Save > Apply legend and in Maps > Bottom right corner > Icons Tools > Full Screen, Favorites, Coordinates, Measure Distances, Draw Measurements, Zoom In, Zoom Out and Reset pointing to the North

1.1.4 PBI Report – Cutting, Loading and Transporting Cane

Improvement made in the "CCT" tab of the PBI Report "Cutting, Loading and Transporting Cane", to change the name of the "Projection (h)" button to "Average Time (h)" and including an explanatory icon, where when passing the mouse will display the information: Average Time (h) = average hours multiplied by 24h.

Image 12 – Description of the button as "Average Time (h)" and explanatory icon with the information "Average Time (h) = average hours multiplied by 24h"
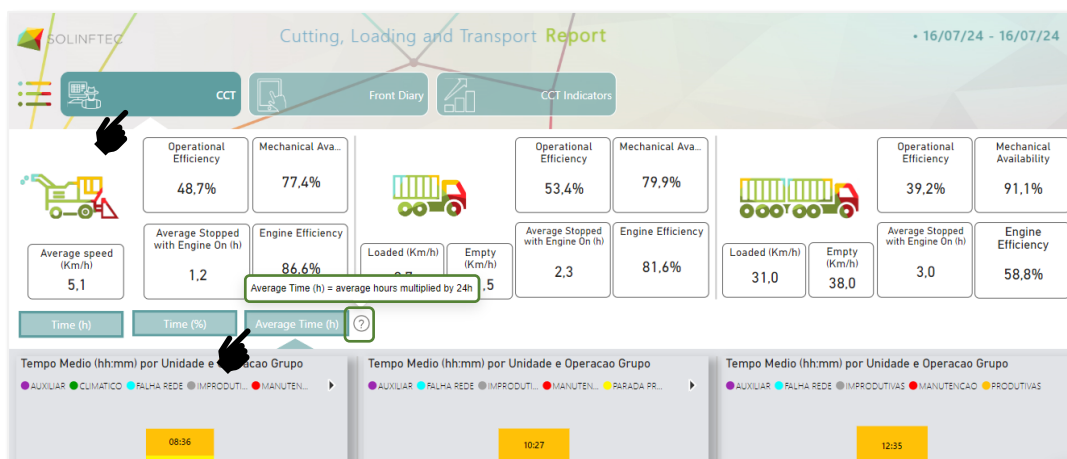
💬 Go to Main menu > Reports > PBI > Operating Hours > Cutting, Loading and Transporting Cane > CCT > Average Time (h) > "?"

ℹ Available for Sugarcane vertical environments.

1.1.5 PBI Report – Cutting, Loading and Transporting Cane

Improvement made to the PBI Report "Cutting, Loading and Transporting Cane", in the "Front Diary" tab, in order to change it to display the **Shift Schedule** according to the start time of the customer's productive day.
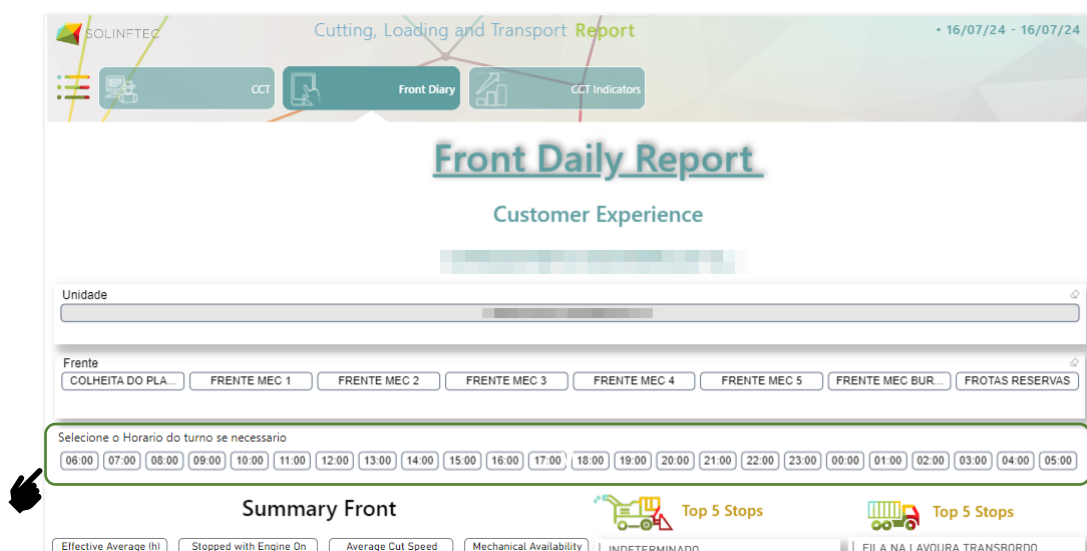

Image 13 – Shift Schedule displayed according to the client's productive day

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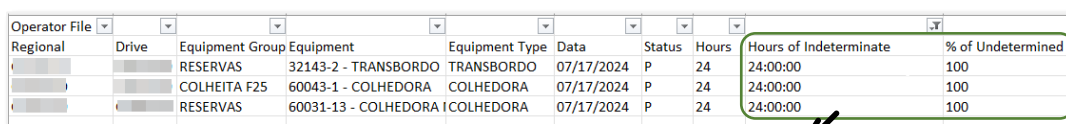Jardim Nova York - Araçatuba/SP

💬 Go to Main menu > Reports > PBI > Operating Hours > Cutting, Loading and Transporting Cane > Front Diary Tab > Select the shift schedule if necessary

ℹ️ Available for Sugarcane vertical environments.

1.1.6 Tools – Operator File

Improvement made to the "Operator File" Tool to add the new columns "Hours of Indeterminate" and "% of Undetermined" in the export files, in XLS, PDF and TXT formats.

Operator File ▾	▾	▾	Equipment	Equipment Type	Data	Status	Hours	Hours of Indeterminate	% of Undetermined
Regional	Drive	Equipment Group							
		RESERVAS	32143-2 - TRANSBORDO	TRANSBORDO	07/17/2024	P	24	24:00:00	100
		COLHEITA F25	60043-1 - COLHEDORA	COLHEDORA	07/17/2024	P	24	24:00:00	100
		RESERVAS	60031-13 - COLHEDORA	COLHEDORA	07/17/2024	P	24	24:00:00	100

Image 14 – New columns when exporting the "Operator Form" in XLS format

💬 Go to Main menu > Tools > Operator File > Export > "Hours of Indeterminate" and "% of Undetermined"

ℹ️ Available for Sugarcane vertical environments.

1.2 Bugs

1.2.1 Maps – CDA

Adjustment made to the Maps "CDA" module to fix duplicate "Traceability" data, which is available in the Module Information side menu. Furthermore, the "Fleet" filter was adjusted to respect the equipment movement history.

💬 Go to Top menu > Maps > CDA

ℹ️ Available for Grains vertical environments that have the "CDA – Digital Cotton Certificate" solution active. Applied on 07/11/2024.

1.2.2 CDG Panel – Entries' History

Adjustment made to "Entries' History" modal of the "CDG Panel" in order to display the Equipment icon in the exported PDF file with the trip detail report.

💬 Go to Top menu > CDG Panel > Entries' History > PDF > Trip Data > Equipment icon

ℹ️ Available for Grain vertical environments that have the "CDG – Digital Grains Certificate" solution active.

1.2.3 Records – Input Management

Adjustment made in the "Agronomic Recommendation" register, in the "Rate per class" Algorithm, to allow entering and saving 5-digit values in the "Dose (liters/ha)" field.

⚠️ The maximum dose limit in the "Rate per class" algorithm is 50 thousand.

💬 Go to Main menu > Records > Input Management > Agronomic Recommendation > Algorithm > Rate by class > Dose

ℹ️ Available for Sugarcane vertical environments that have the "Yield/Productivity Monitor" solution active.

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