

Changelog

SGPA3

Automated Process Management System



Changelog Version 2024/243
 Period: 09/03/2024 to 09/09/2024
 Revision 00
 Date: 09/24/2024

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 Reports – Load Profile

Implementation of the new PBI “Load Profile” Report for the Sugarcane Vertical. This report aims to provide a detailed analysis of the **load profiles of agricultural machinery engines**, allowing a deeper understanding of the **operational performance** and **energy efficiency** of the monitored equipment. In addition, it aims to contribute to the improvement of the management and optimization of agricultural operations, offering a tool to support decision-making. The new report is divided into two tabs, **Dashboard** and **Operational**, and is described below:

- **Dashboard:** In this tab, the user obtains a corporate view of management, with data on Operating Units, Equipment Types/Model, and an organization by Work Fronts.
- **Operational:** graphs are presented that illustrate the Quality of Operation over time (month, day, hour), allowing the identification of Performance by Equipment and Operator in different operational states, such as effective time, maneuvers, among others.

Furthermore, the icon  , located in the upper right corner of the tabs, directs the user to the “Classification” screen, which displays the specifications for each **Load Profile**. The values are classified according to the ideal **RPM** and **Torque** levels for the work of each Type of Equipment monitored.

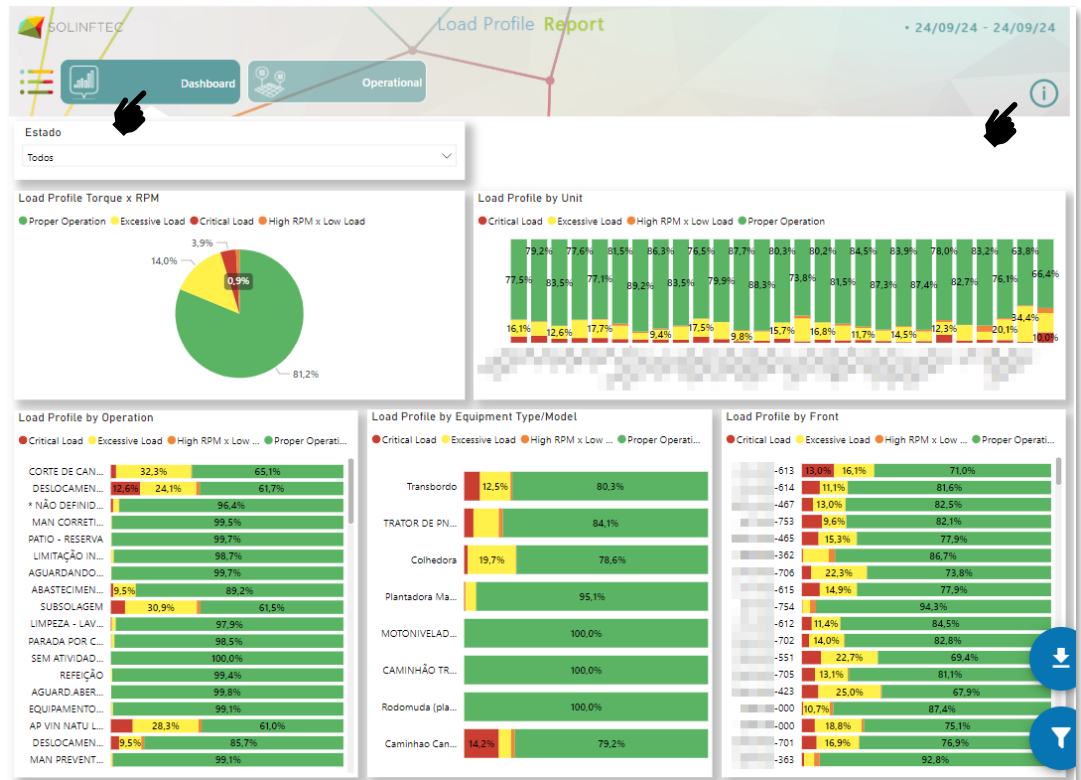


Image 01 – Dashboard tab of the “Load Profile” report



Image 02 – Operational tab of the “Load Profile” report



Image 03 – “Classification” screen displaying the specifications of each type of Load Profile.



Go to Main Menu > Reports > PBI > Load Profile



Available for Sugarcane Vertical Environments that have the “Maintenance Telemetry” solution active.

1.1.2 PBI Reports – Sugarcane Truck Benchmark, Harvester and Transshipment

Improvements made to the PBI Reports “Sugarcane Truck Benchmark”, “Harvester Benchmark” and “Transshipment Benchmark”, for the Sugarcane Vertical. Aiming to improve the representativeness of the data, respecting units of all sizes, a new rule (premise) was implemented in the ranking of units. The specifications of the new rule in each report are described below:

- **“Harvest Benchmark” and “Transshipment Benchmark”:** as of this version, a unit will only be ranked in relation to the others if it accumulates more than 24 effective working hours. If the unit does not reach this value, the indicators will still be displayed, but it will not be included in the comparative analysis with the market.

- **“Sugarcane Truck Benchmark”**: as of this version, a unit will only be classified in relation to the others if it accumulates more than 24 productive hours (**Empty Trip + Loading + Loaded Trip**) of work. If the unit does not reach this value, the indicators will still be displayed, but it will not be included in the comparative analysis with the market.

In addition, starting next month (October/2024), the “Sugarcane Benchmark”, “Harvester Benchmark” and “Transshipment Benchmark” reports will present a partial view of the data. The update period will occur on the 16th of each month, when a partial sample of the data up to that date will be displayed. On the fifth business day of each month, the complete data from the previous month will be presented. This partial sample will allow checking for possible operational registration errors, enabling corrections before the official update of the Benchmark on the fifth business day, when the data for the month will be frozen, with no possibility of reprocessing.

Furthermore, on the home page of the Sugarcane, Harvester and Transshipment Benchmark reports, there will be a button to access the Records screen, facilitating validation.



Image 04 – Cover of the PBI Report “Harvester Benchmark” showing the new premise and the button to access the Records

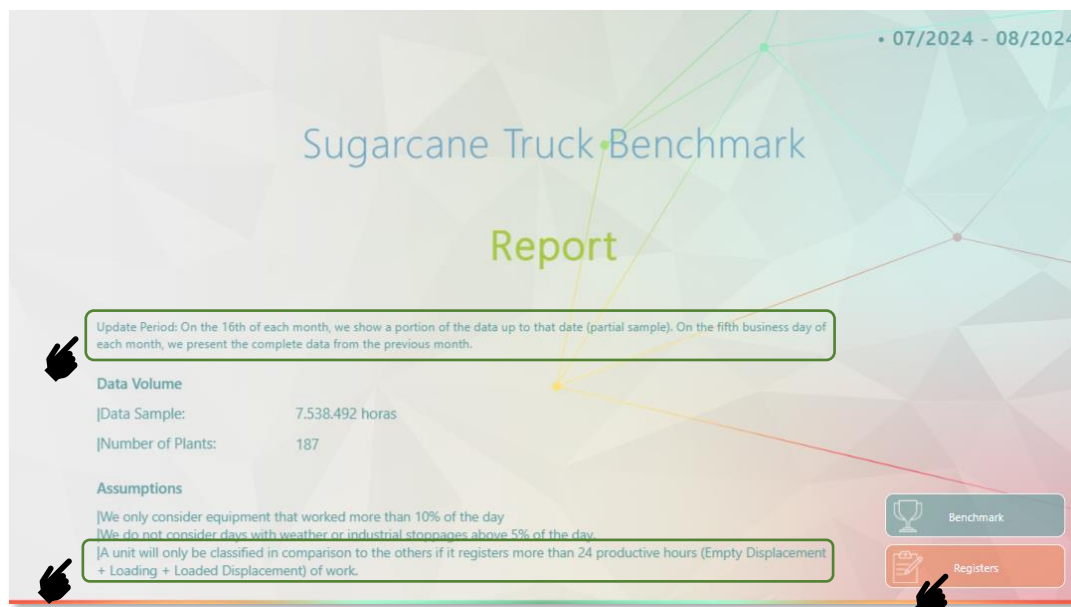


Image 05 – Cover of the PBI Report “Sugarcane Truck Benchmark” showing the new premise and the button to access the Records

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

Available for Sugarcane Vertical Environments that have the “Benchmark” solution active.

1.1.3 PBI Reports – Benchmark

Improvements made to the PBI Reports “Sugarcane Truck Benchmark”, “Transshipment Benchmark” and “LTT Benchmark” of the Sugarcane Vertical and to the “LTT Benchmark” Report of the Grains and Perennials Verticals. Starting with this version, the reports will feature a button that will allow access to a screen with the “TOP 10” of the Units, thus expanding the visualization beyond the top 5 already presented.

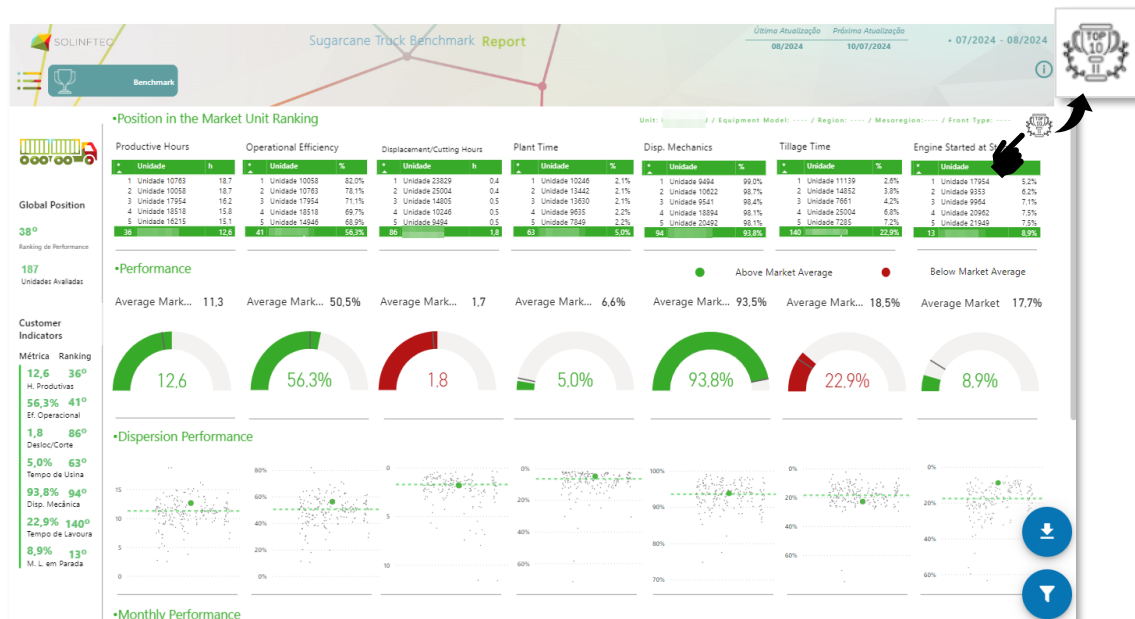


Image 06 – PBI “Sugarcane Truck Benchmark” Report showing the TOP 10 Units

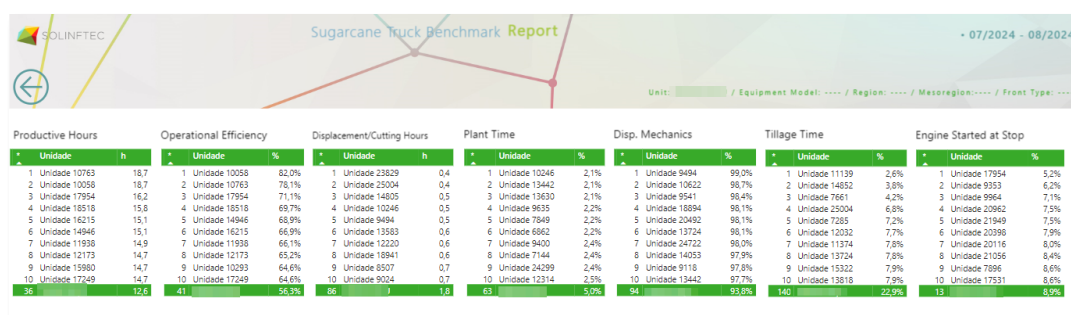


Image 07 – PBI “Sugarcane Truck Benchmark” Report showing the TOP 10 Units



Go to Main Menu > Reports > PBI > Benchmark Menu > Harvester Benchmark, Transshipment Benchmark and LTT Benchmark



Available for Environments that have the “Benchmark” solution active.

1.1.4 PBI Reports – Digital Certificate of Cotton

Improvement made to the PBI Report “Digital Certificate of Cotton”, from Grains Vertical. Starting from this version, in the graph “Number of Module by Fiber Moisture Ranges (%)”, on the “Overview” tab, the fiber moisture ranges are displayed according to the following pattern: <3%, >=3% to <8%, >=8% to <12% and >=12% to <14%.

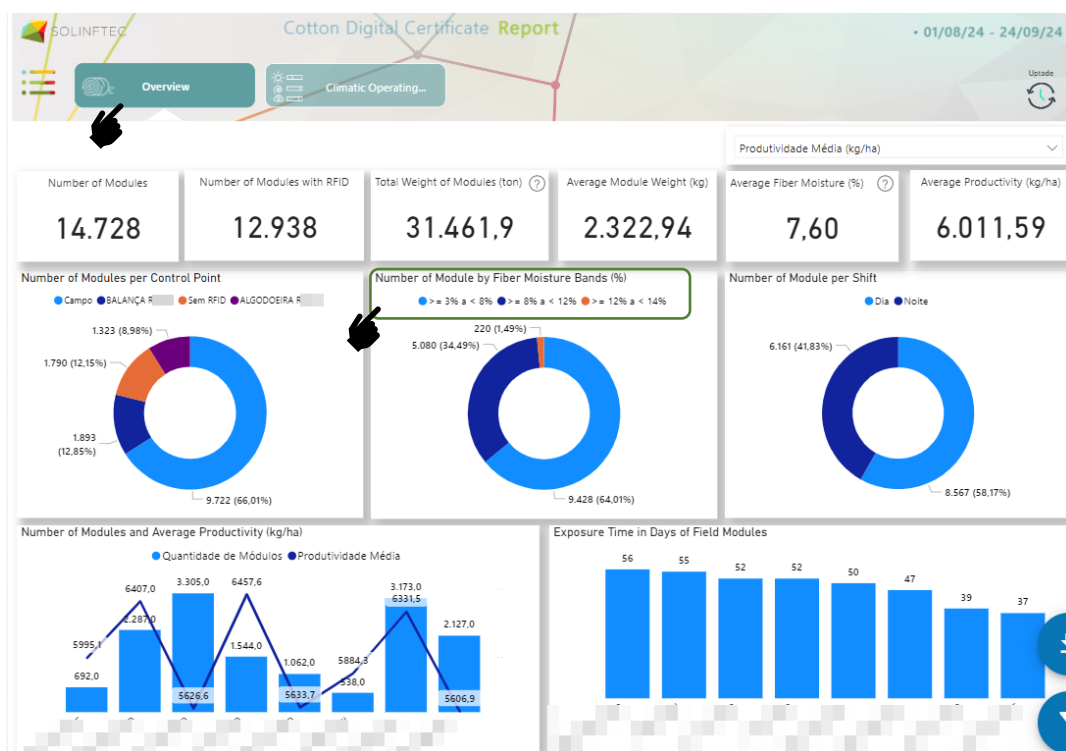


Image 08 – “Number of Module by Fiber Moisture Range (%)” chart showing the new fiber moisture range pattern



Go to Main Menu > Reports > PBI > Digital Certificate of Cotton > Overview Tab > Number of Module by Fiber Moisture Ranges chart



Available for Grains Vertical Environments that have the “CDA – Digital Certificate of Cotton” solution active.

1.1.5 PBI Reports – Supplies Optimization

Improvement made to the PBI Report “Supplies Optimization”, from the Sugarcane Vertical, with the aim of implementing a procedure to not display records of non-existent trips.



In case of non-existent trip: When the operator is recommended to refuel but does not follow it and re-enters the field to apply the product, the application sends a command indicating that the recommendation to leave for

refueling was not followed. When the application sends the command, there are times when commands may be triggered, resulting in cases of non-existent trips.

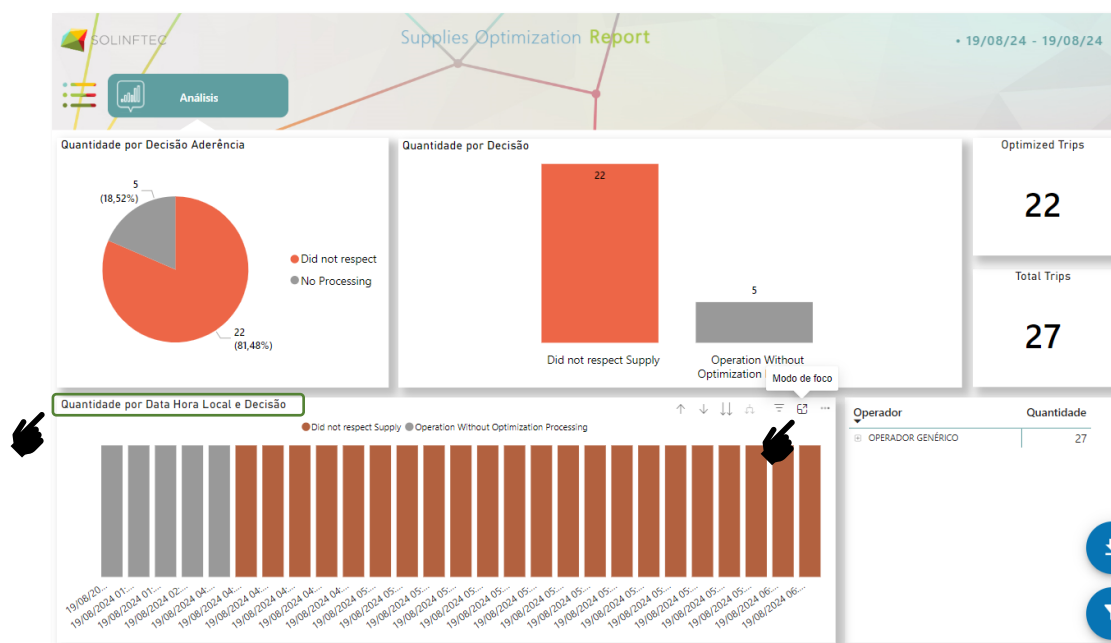


Image 09 – Trip Details in the “Quantity by Date Time Location and Decision” chart



Go to Main menu > Reports > PBI > Supplies Optimization > Quantity by Date Time Location and Decision > Focus mode



Available for Sugarcane Vertical Environments that have the “Supplies Optimization” solution active.

1.1.6 Records – Implement Measures

Improvement made to the “Implement Measures” register, for the Implement Type “10 – Seeds per Section/Line with Disconnection”, in order to allow the insertion of up to 64 Sections in the “Number of sections in the Implement” field.

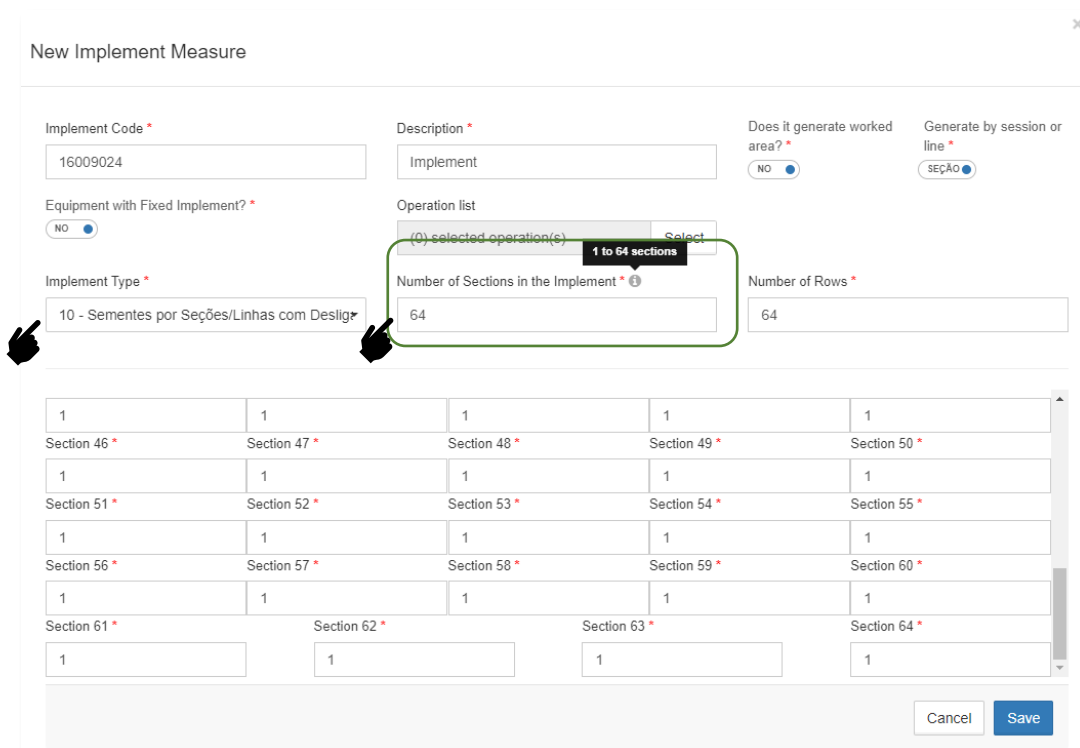


Image 10 – Registering the Implement Type “10 – Seeds per Section/Line with Disconnection” allowing the insertion of up to 64 Sections



Go to Main Menu > Records > Equipment > Implement Measures > Implement Type > 10 – Seeds by Sections/Lines with Disconnection > Generate by section or line > Section > Number of sections in the Implement



Applied on 09/16/2024.

1.1.7 Modules – Online Command

Improvement made to the “Online Command” module to implement the new command “Update Remote Productive Operation Entry (CQ)”, for all types of “Light Tire Tractor” equipment.

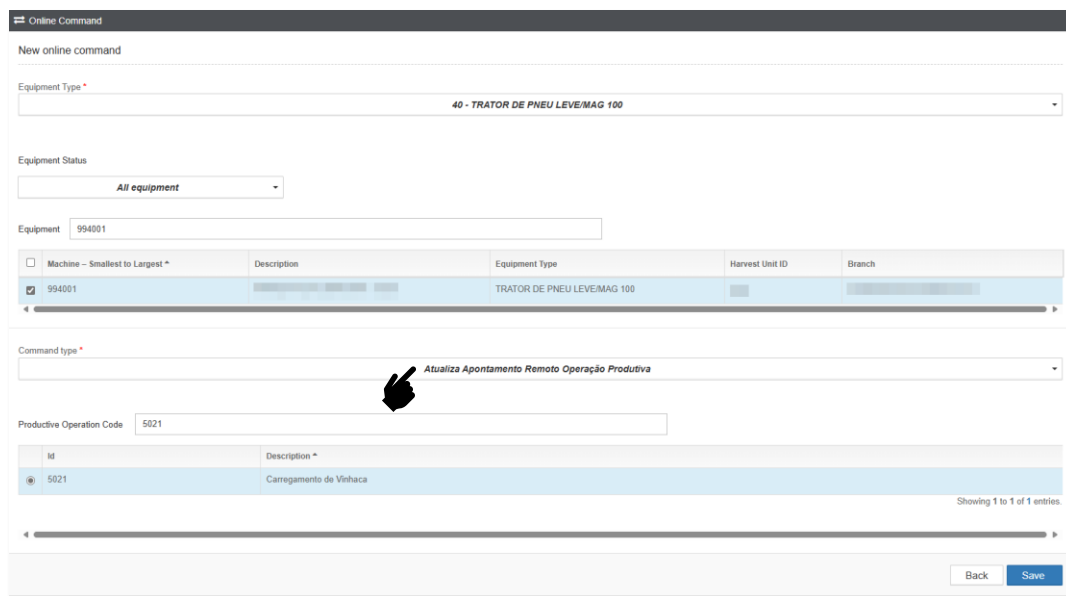


Image 11 – New command “Update Remote Operation Production Entry” on the Online Command module screen

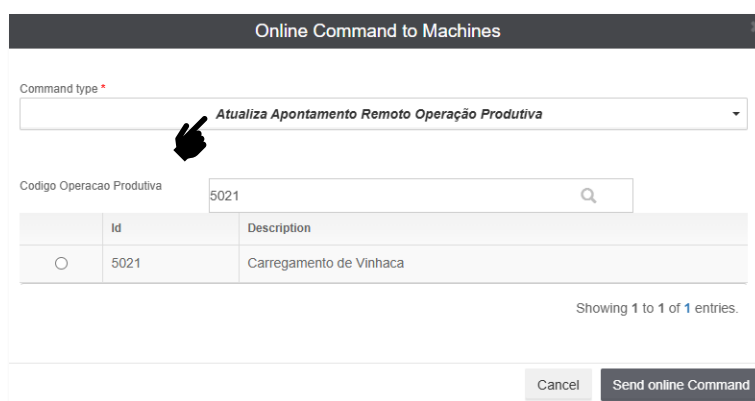


Image 12 – New command “Update Remote Operation Production Entry” on the Online Command screen in the equipment pop-up in Monitoring



Go to Main Menu > Modules > Online Command > Equipment Type > 40 Light Tire Tractor > Command Type > Update Remote Productive Operation Entry and in Top Menu > Monitoring > Equipment > Equipment Type > 40 - Light Tire Tractor > Equipment Pop-up > Online Command > Command Type > Update Remote Productive Operation Entry

1.2 Bugs

1.2.1 Maps – Legend

Adjustment made to the “Mass” Map Legend, in order to present the same number of decimal places in the information message and in the legend values, that is, if the information message indicates the standard with two decimal places, the values are displayed in the Legend intervals with two decimal places.



Go to Top menu > Maps > Mass > Line and Interpolation > Legend > Profile > Create

new

1.2.2 CDA Panel

Adjustment made to the “Cotton Gin” tab of the CDA Panel, in order to display the data in the exported file referring to the “CDA Cotton Mill Production Report”.



Go to Top menu > CDA Panel > Cotton Mill Tab > Choose a date with data > History >

Export > CDA Cotton Mill Production Report



Available for Grains Vertical Environments that have the “CDA – Digital Certificate of Cotton” solution active.

1.2.3 CDA Panel

Adjustment made to the layout of the “Overall Vision” and “Cotton Mill” Tabs of the **CDA Panel**, in order to not distort the panel cards on screens with lower resolutions and to include shading on the “Stock Flow” indicator cards. In addition,

adjustment was made to display panel's informative messages with the same font standard.



Go to Top menu > CDA Panel > Overall Vision tab and Cotton Gin tab



Available for Grains Vertical Environments that have the "CDA - Digital Certificate of Cotton" solution active.

1.2.4 Maps and Monitoring – Meteorology

Adjustment made to the "Meteorology" section of the Analytical and Monitoring Map, to allow the "Weather Graph" screen to be opened immediately after it has been closed.



Go to Top Menu > Maps/Monitoring > Top Menu > Meteorology > Weather Graph

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