

Changelog


SGPA3

Automated Process Management System



Changelog Version 2024/226
 Period: 04/23/2024 to 05/06/2024
 Revision 00
 Date: 05/14/2024

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 – Climate (Grains)

Aiming to improve the management of climate data, the new PBI Report “Climate x Operation” was implemented for Grains Vertical and improvements were made to the PBI Report “Climate Conditions”.

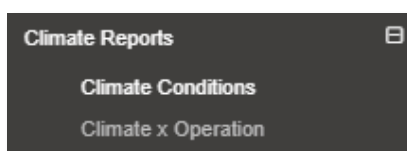


Image 01 – Climate Reports Menu

- **“Climate x Operation” report:** The objective of the report is to enable climate analysis within each agricultural operation and will present some data already existing in the “Climate Conditions” report from the previous version 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”, it will be possible to analyze the Operational Area considering Rain (mm), Stopping 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 obtaining the Accumulated Degree-Day value, which is one of the most used methods to relate Air Temperature with Plant Development. All calculations and bibliographic references used are detailed in the report. An explanatory video is available on the cover of the report, in the “Video” option, on how to use the report.



Image 02 – The “Climate x Operation” Report Cover

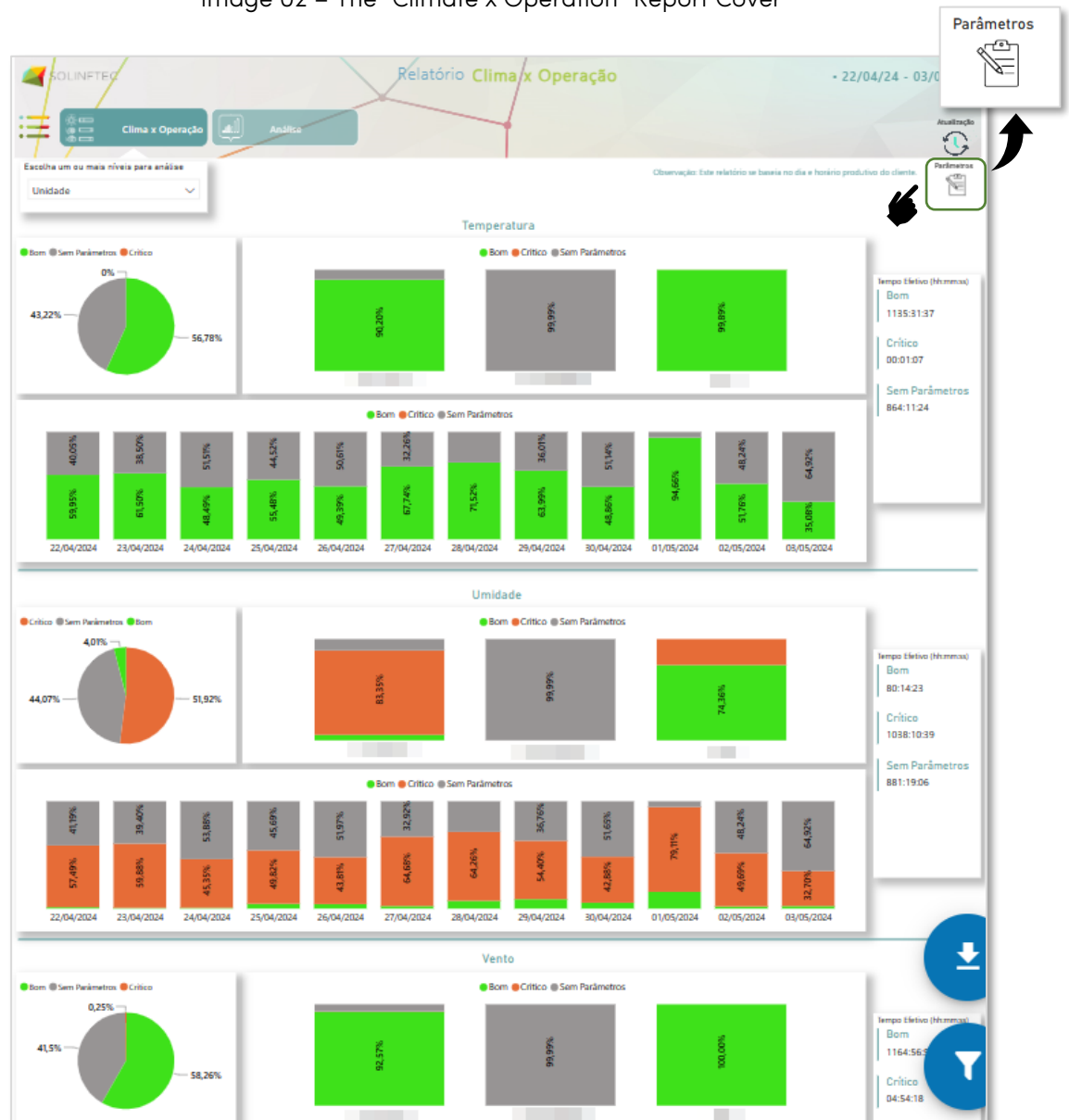


Image 03 – “Climate x Operation” tab and icon that takes the user to the Parameters screen

Relatório Clima x Operação 30/04/24 - 09/05/24

Operação	Temperatura					Operação	Umidade					Operação	Vento		
	Critico	Médio	Bom	Médio	Critico		Critico	Médio	Bom	Médio	Critico		Bom	Médio	Critico
10009-T. Culturais - Oleo, Adjuvantes e Outros - Soja	<10°	10° - 10°	11° - 20°	30° - 30°	>30°	10009-T. Culturais - Oleo, Adjuvantes e Outros - Soja	<95°	95° - 95°	90° - 40°	50° - 50°	>50°	1-APLIC TAVIA FIXA - CALAGEM	<14	15 - 17	>17
10017-T. Culturais - Dessecção Pós Colheita - Soja	<10°	10° - 12°	13° - 20°	30° - 30°	>30°	10017-T. Culturais - Dessecção Pós Colheita - Soja	<95°	95° - 50°	51° - 80°	90° - 50°	>90°	10009-T. Culturais - Oleo, Adjuvantes e Outros - Soja	<14	15 - 15	>15
1001-PLANTIO DE SOJA	* - 5°	6° - 30°	40° - *			1001-PLANTIO DE SOJA	* - 55°	50° - 80°	90° - *			10017-T. Culturais - Dessecção Pós Colheita - Soja	<11	12 - 15	>15
1001-PULVERIZACAO	<11°	11° - 20°	21° - 20°	30° - 34°	>34°	1001-PULVERIZACAO	<61°	61° - 70°	71° - 80°	90° - 94°	>94°	1001-PLANTIO DE SOJA	<19	20 -	
1001-PULVERIZACAO TERRESTRE	<10°	10° - *		* - 32°	>32°	1001-PULVERIZACAO TERRESTRE	<30°	30° - *		* - 90°	>90°	1001-PULVERIZACAO	<7	8 - 10	>10
10029-Aplicação de Defensivo Terrestre	<10°	10° - *		* - 32°	>32°	10029-Aplicação de Defensivo Terrestre	<10°	30° - *		* - 90°	>90°	10029-Aplicação de Defensivo Terrestre		17	>17
1002-PLANTIO DE SOJA SEMENTE COM ADUBO	* - 5°	6° - 30°	40° - *			1002-PLANTIO DE SOJA SEMENTE COM ADUBO	* - 55°	50° - 80°	90° - *			1002-PLANTIO DE SOJA SEMENTE COM ADUBO	<19	20 -	
1003-PLANTIO DE SOJA SEMENTE S- ADUBO	* - 5°	6° - 30°	40° - *			1003-PLANTIO DE SOJA SEMENTE S- ADUBO	* - 55°	50° - 80°	90° - *			1003-PLANTIO DE SOJA SEMENTE S- ADUBO	<19	20 -	
1004-PLANTIO DE SOJA DISCO	* - 5°	6° - 30°	40° - *			1004-PLANTIO DE SOJA DISCO	* - 55°	50° - 80°	90° - *			1004-PLANTIO DE SOJA DISCO	<19	20 -	
1005-PLANTIO DE SOJA EXPERIMENTO S ADUBO	* - 5°	6° - 30°	40° - *			1005-PLANTIO DE SOJA EXPERIMENTO S ADUBO	* - 55°	50° - 80°	90° - *			1005-PLANTIO DE SOJA EXPERIMENTO S ADUBO	<19	20 -	
1006-PLANTIO DE SOJA EXPERIMENTO COM ADUBO	* - 5°	6° - 30°	40° - *			1006-PLANTIO DE SOJA EXPERIMENTO COM ADUBO	* - 55°	50° - 80°	90° - *			1006-PLANTIO DE SOJA EXPERIMENTO COM ADUBO	<19	20 -	
1007-PLANTIO SOJA SULCADOR	* - 5°	6° - 30°	40° - *			1007-PLANTIO SOJA SULCADOR	* - 55°	50° - 80°	90° - *			1007-PLANTIO SOJA SULCADOR	<19	20 -	
1008-PLANTIO DE MILHO	* - 5°	6° - 30°	40° - *			1008-PLANTIO DE MILHO	* - 55°	50° - 80°	90° - *			1008-PLANTIO DE MILHO	<19	20 -	
1009-PLANTIO MILHO DISCO	* - 5°	6° - 30°	40° - *			1009-PLANTIO MILHO DISCO	* - 55°	50° - 80°	90° - *			1009-PLANTIO MILHO DISCO	<19	20 -	

Image 04 – View of the Parameters of the “Climate x Operation” tab



Image 05 – “Analysis” Tab with Accumulated Degree-Day Indicator

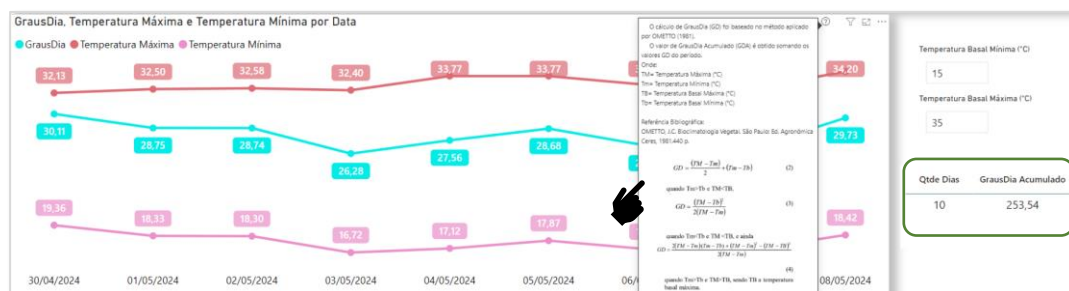


Image 06 – Degree-Day (DD) calculation details

- **“Climate Conditions” Report:** The report has undergone a complete redesign and will replace the “Rain Gauge” report. It will present climate data obtained from Meteorological Stations and Rain Gauges, where it will be possible to continue analyzing data on Rainfall (mm), Temperature (°C), Humidity (%) and Wind Speed (km/h). New features include Wind Direction (Wind Roses) and Solar Radiation (w/m²). In the second tab, the “Climate Report”, it will be possible to extract the indicators by Farm, Zone, Field, and Equipment. Indicators include Humidity (%), Solar Radiation (w/m²), 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.

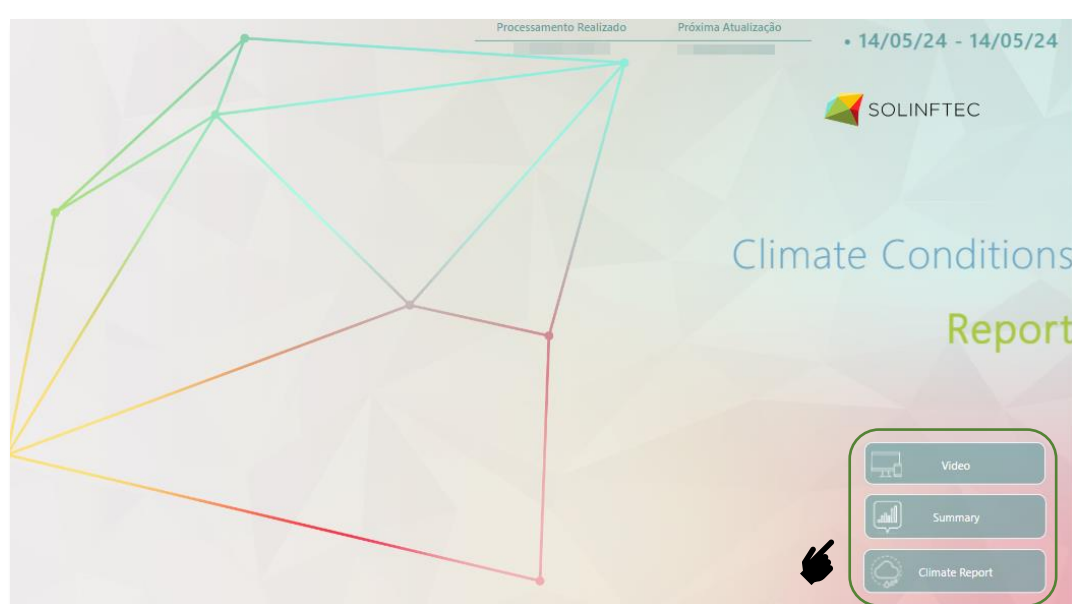
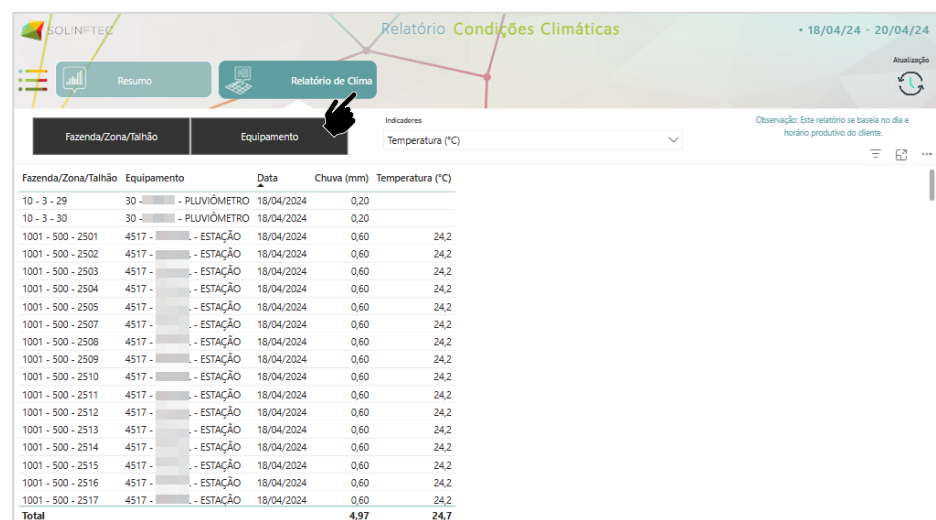


Image 07 – The “Climate Conditions” Report Cover



Image 08 – “Summary” tab of the “Climate Conditions” report



Relatório Condições Climáticas • 18/04/24 - 20/04/24

Resumo | Relatório de Clima

Fazenda/Zona/Talhão:

Indicadores:

Observação: Este relatório se baseia no dia e horário produzido do cliente.

Fazenda/Zona/Talhão	Equipamento	Data	Chuva (mm)	Temperatura (°C)
10 - 3 - 29	30 - PLUVIÔMETRO	18/04/2024	0,20	
10 - 3 - 30	30 - PLUVIÔMETRO	18/04/2024	0,20	
1001 - 500 - 2501	4517 - ESTAÇÃO	18/04/2024	0,60	24,2
1001 - 500 - 2502	4517 - ESTAÇÃO	18/04/2024	0,60	24,2
1001 - 500 - 2503	4517 - ESTAÇÃO	18/04/2024	0,60	24,2
1001 - 500 - 2504	4517 - ESTAÇÃO	18/04/2024	0,60	24,2
1001 - 500 - 2505	4517 - ESTAÇÃO	18/04/2024	0,60	24,2
1001 - 500 - 2507	4517 - ESTAÇÃO	18/04/2024	0,60	24,2
1001 - 500 - 2508	4517 - ESTAÇÃO	18/04/2024	0,60	24,2
1001 - 500 - 2509	4517 - ESTAÇÃO	18/04/2024	0,60	24,2
1001 - 500 - 2510	4517 - ESTAÇÃO	18/04/2024	0,60	24,2
1001 - 500 - 2511	4517 - ESTAÇÃO	18/04/2024	0,60	24,2
1001 - 500 - 2512	4517 - ESTAÇÃO	18/04/2024	0,60	24,2
1001 - 500 - 2513	4517 - ESTAÇÃO	18/04/2024	0,60	24,2
1001 - 500 - 2514	4517 - ESTAÇÃO	18/04/2024	0,60	24,2
1001 - 500 - 2515	4517 - ESTAÇÃO	18/04/2024	0,60	24,2
1001 - 500 - 2516	4517 - ESTAÇÃO	18/04/2024	0,60	24,2
1001 - 500 - 2517	4517 - ESTAÇÃO	18/04/2024	0,60	24,2
Total			4,97	24,7

Image 09 – “Climate Report” tab of the “Climate Conditions” report

⚠ Climate Reports are based on the customer's productive day and time.

Alice Reports will receive the update.

Go to Main Menu > Reports > PBI > Climate Reports > Climate x Operation and Climate Conditions

Available for Grains Vertical environments.

1.1.2 PBI Reports – Fleet Details and Dynamic Report (Perennial)

Improvement made to the PBI Reports “Fleet Details” and “Dynamic Report”, from Perennial Vertical, to add the “Equipment Group” filter.

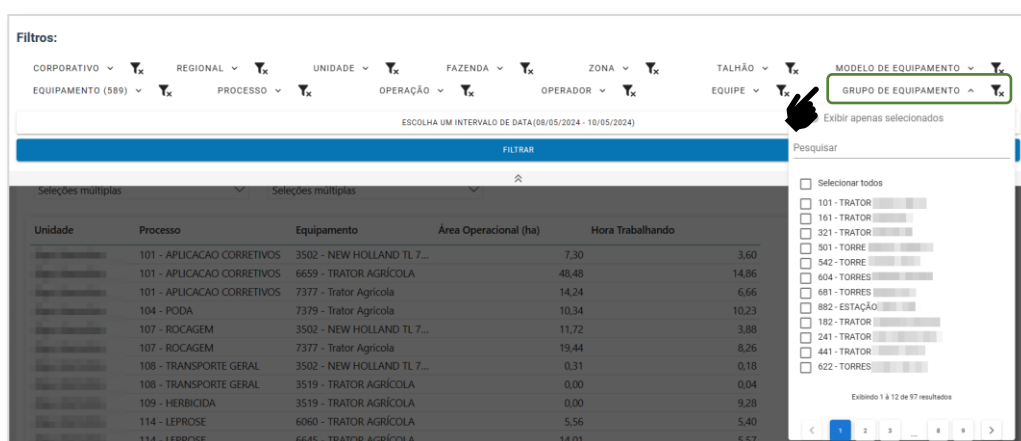


Image 10 – “Equipment Group” Filter in the “Fleet Details” PBI Report

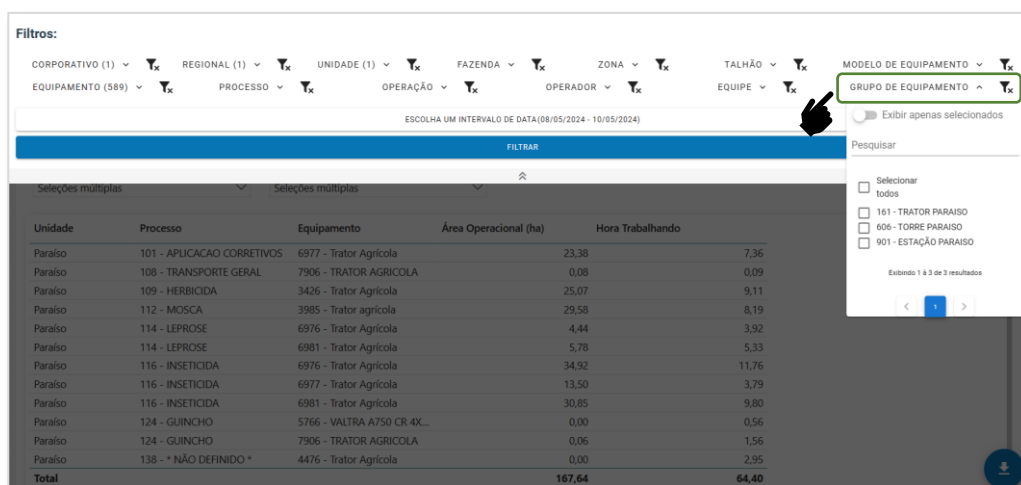


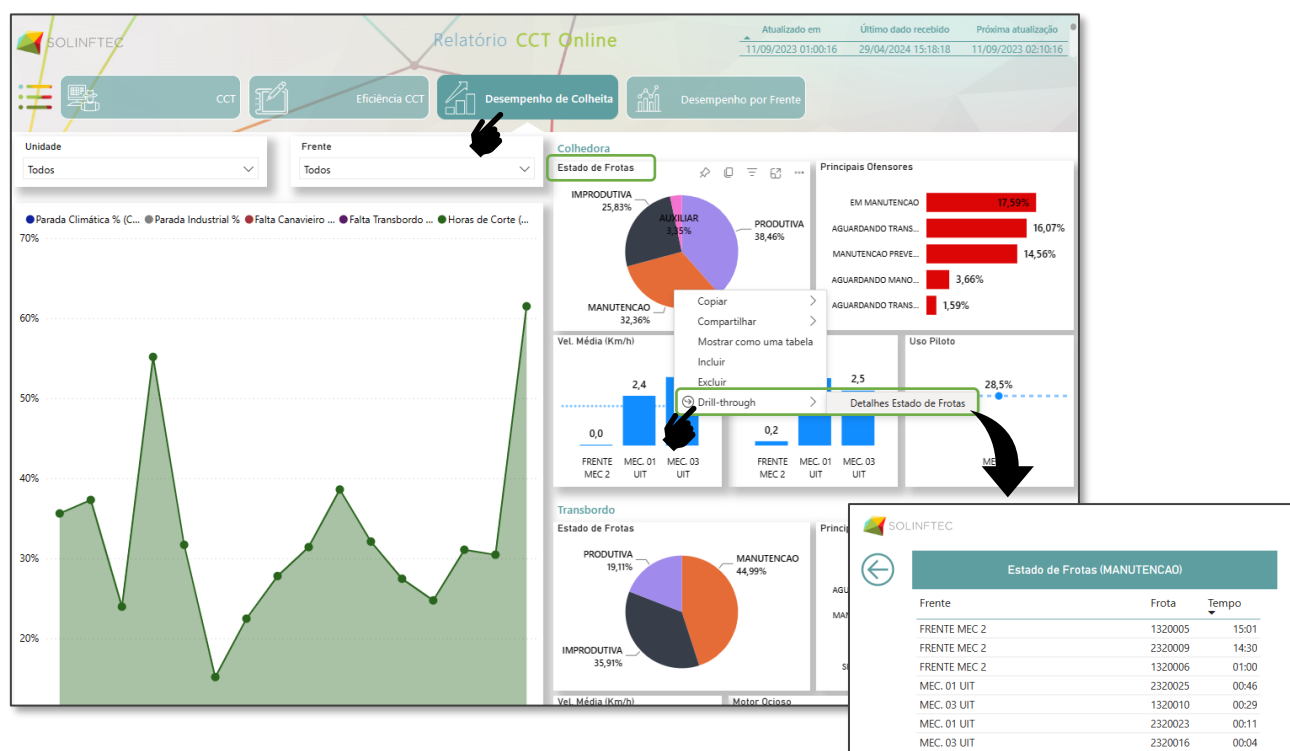
Image 11 – “Equipment Group” Filter in the PBI Report “Dynamic Report”

Go to Main Menu > Reports > PBI > Fleet Details and Dynamic Report

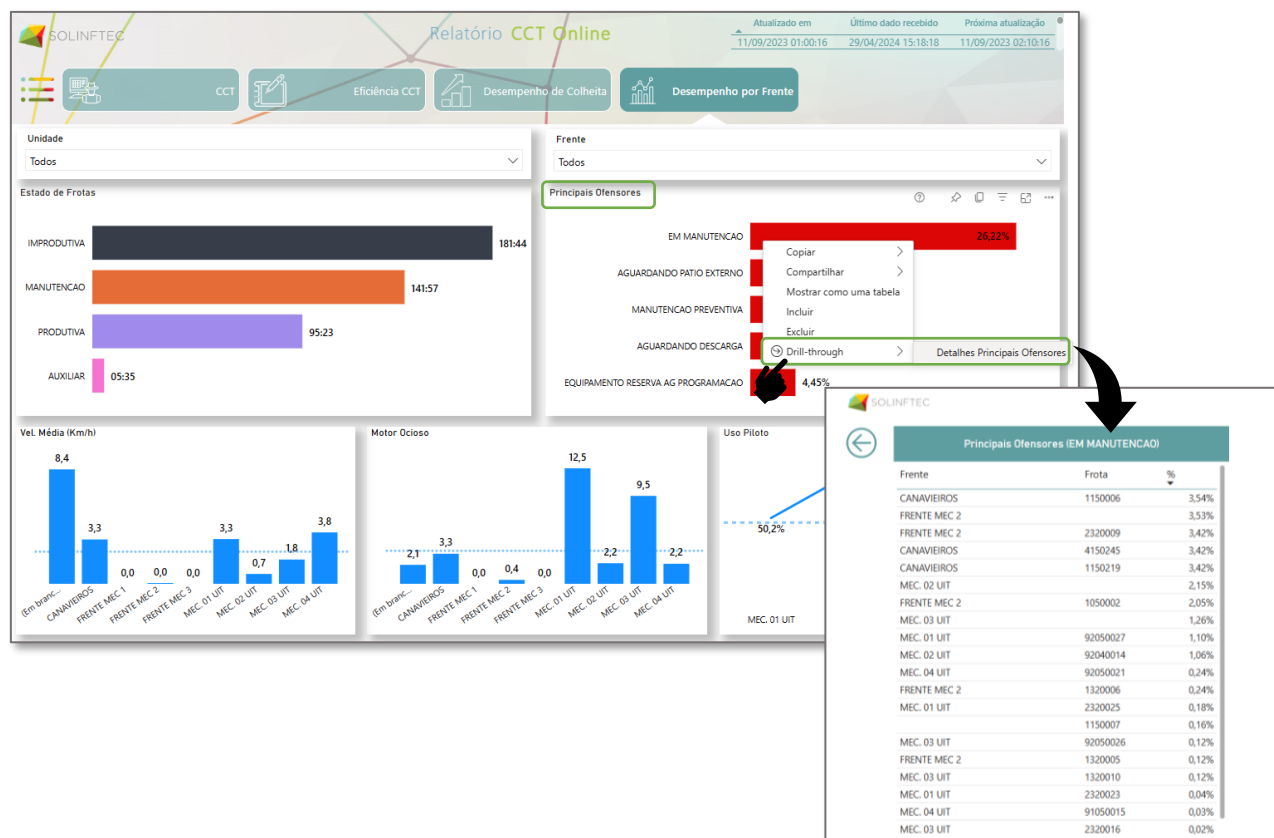
Available for Perennial Vertical Environments that have the "Fleet Details" report and the extra "Dynamic Report" report.

1.1.3 PBI Reports – Cutting, Loading and Transporting Cane Online

Improvement made to the PBI Report "Cutting, Loading and Transporting Cane Online" to implement the "Drill-through" detailing feature to view the complete list of information. This feature is available in the "Harvest Performance" and "Performance by Front" tabs, in the **Fleet Status**, **Main Offenders**, **Average Speed (Km/h)**, **Engine Idle** and **Pilot Use** charts. To access it, right-click on a data point in the graph, select Drill-through and the corresponding details screen.



Images 12 and 13 – "Harvest Performance" and Drill-through tab with details of the "Fleet Status" graph



Images 14 and 15 – “Performance by Front” and Drill-through tab with “Main Offenders” graph details

Go to Main Menu > Reports > PBI > Online Reports > Cutting, Loading and Transporting Cane Online

Available for Sugarcane Vertical Environments.

1.1.4 PBI Reports – Cutting, Loading and Transporting Cane Online

Improvement made to the PBI Report “Cutting, Loading and Transporting Cane Online” to change the layout of the “CCT” Tab to the same standard as the layout of the “Cutting, Loading and Transporting Cane” Report (offline). With this new standard, it will be possible to have a broader view of information on the Harvester, Transshipment and Sugarcane Truck Equipment Types.



Images 16 and 17 – New layout standard for the “CCT” tab of the Online Sugarcane

Cutting, Loading and Transporting Cane Online report



Go to Main Menu > Reports > PBI > Online Reports > Cutting, Loading and Transporting Cane Online



Available for Sugarcane Vertical Environments.

1.1.5 PBI Reports – Operational Variables

Improvement made to the PBI Report "Operational Variables", from Cane Vertical, to include the "Date" level in the hierarchy of the "Stopped with Engine On/Engine On" graph in the "Stopped with Engine On/Engine On" tab.

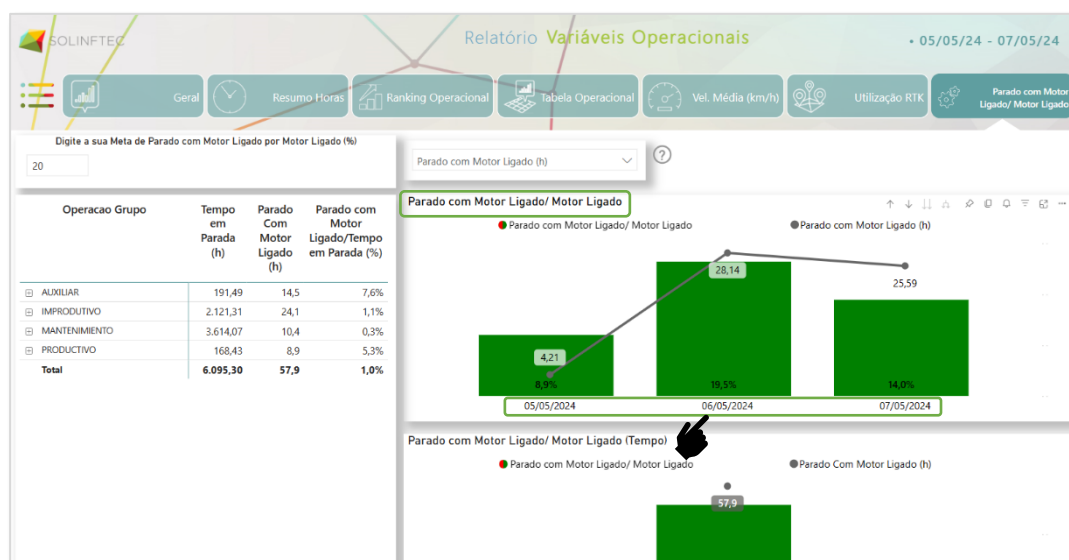


Image 18 – New "Date" level in the "Stopped with Engine On/Engine On" graph hierarchy

Go to Main Menu > Reports > PBI > Operating Hours > Operating Variables > Stopped with Engine On/Engine On Tab

Available for Sugarcane Vertical Environments.

1.1.6 Maps – DCC

Improvements made to the "DCC" (Digital Cotton Certificate) module available on the Map. From this version on, the "Productivity" parameter has been changed to "Average Productivity", which consists of the Field productivity, and the new "Productivity" parameter has been implemented, which aims to display the Harvested Area of each Module (roll). Furthermore, the "Parameter" tab, located in the side menu, has been replaced with three new tabs and the parameters distributed between them. The three new tabs and their respective parameters are:

- Performance: Weight, Productivity, Fiber Moisture and Average Productivity;
- Quality: Shift, Border, Variety, Time Range and Anomalies;
- Traceability: Traceability.

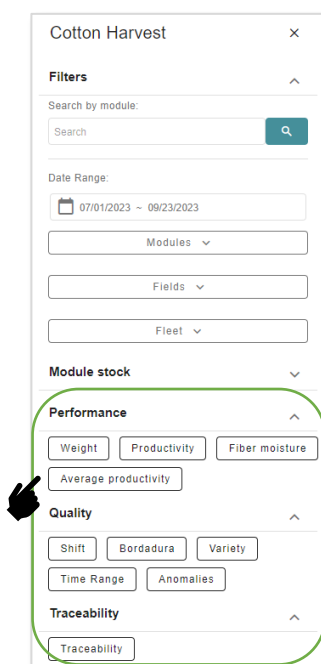


Image 19 – New Yield, Quality and Traceability tabs

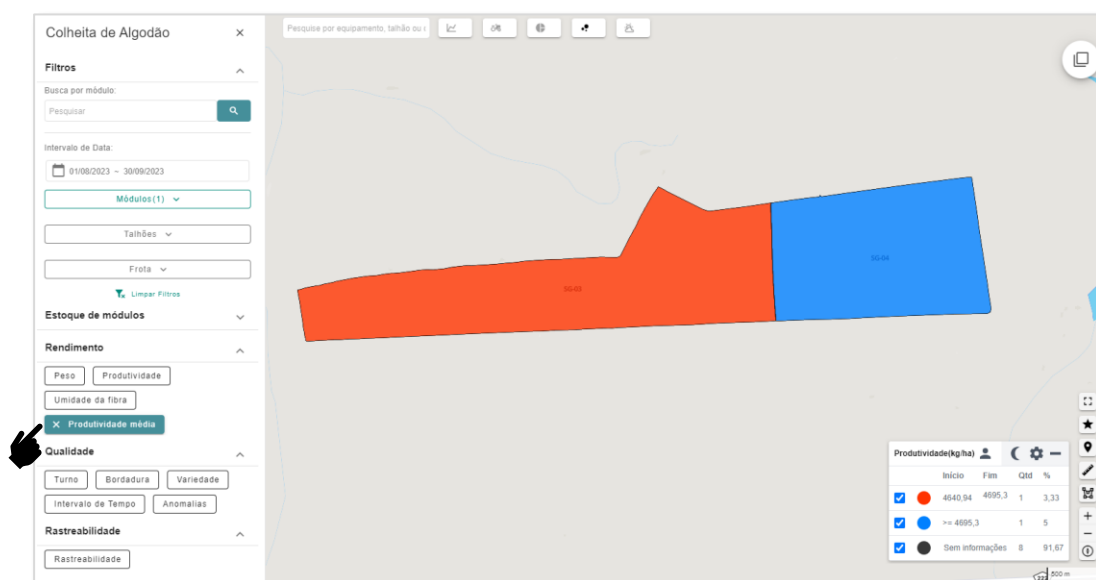
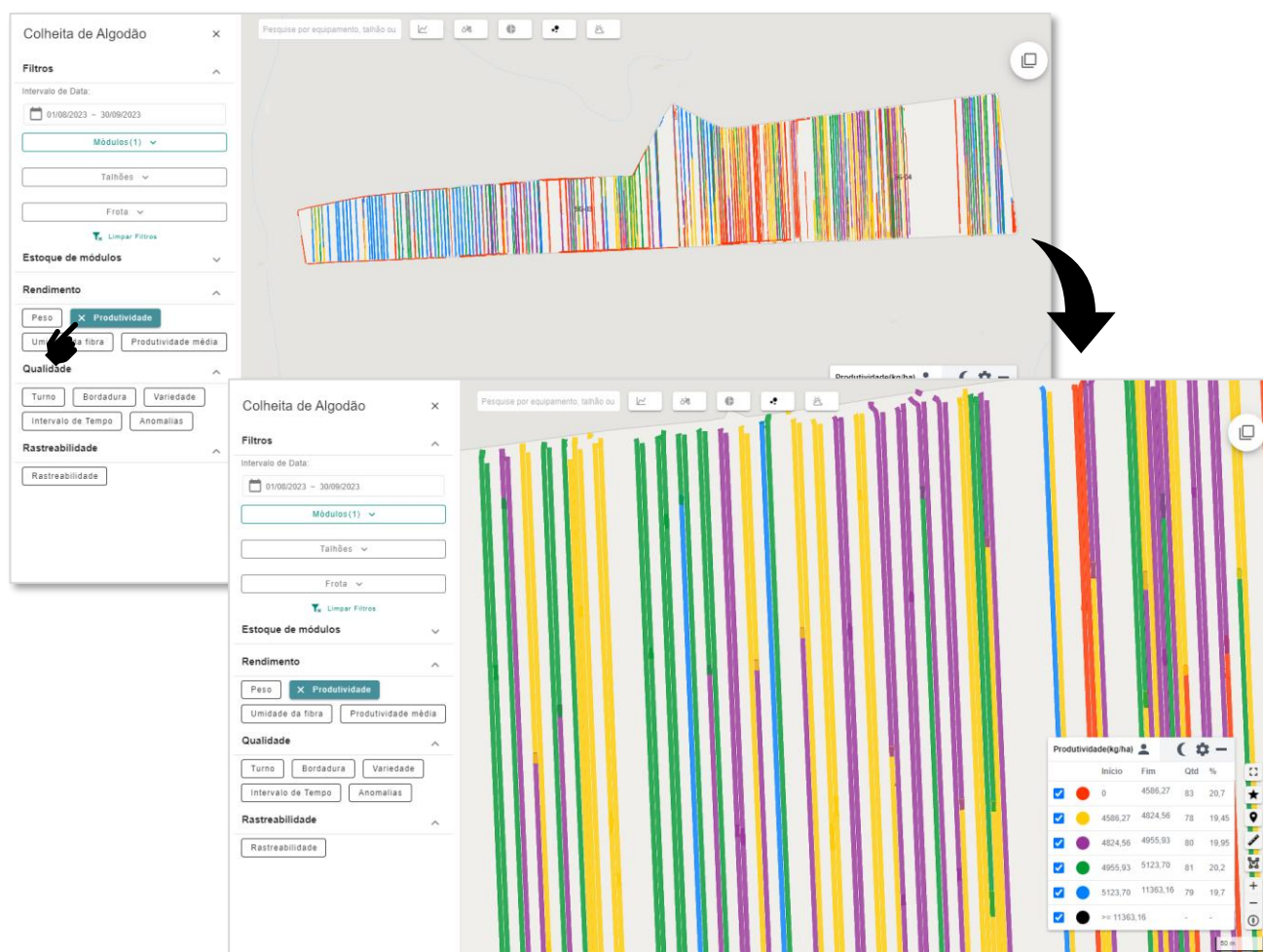


Image 20 – “Average Productivity” parameter (formerly Productivity)



Images 21 and 22 – New “Productivity” parameter with details of the Harvested Area lines of each Module (Roll)



Go to Top Menu > Maps > DCC



Available for Grains Vertical Environments that have the DCC Solution (Digital Cotton Certificate) active.

1.1.7 Records – Equipment

Improvement made to the Equipment Register to add descriptions in the tooltips (icon “i”) of the Equipment Model, Equipment Group, Equipment Type and Equipment Profile fields.

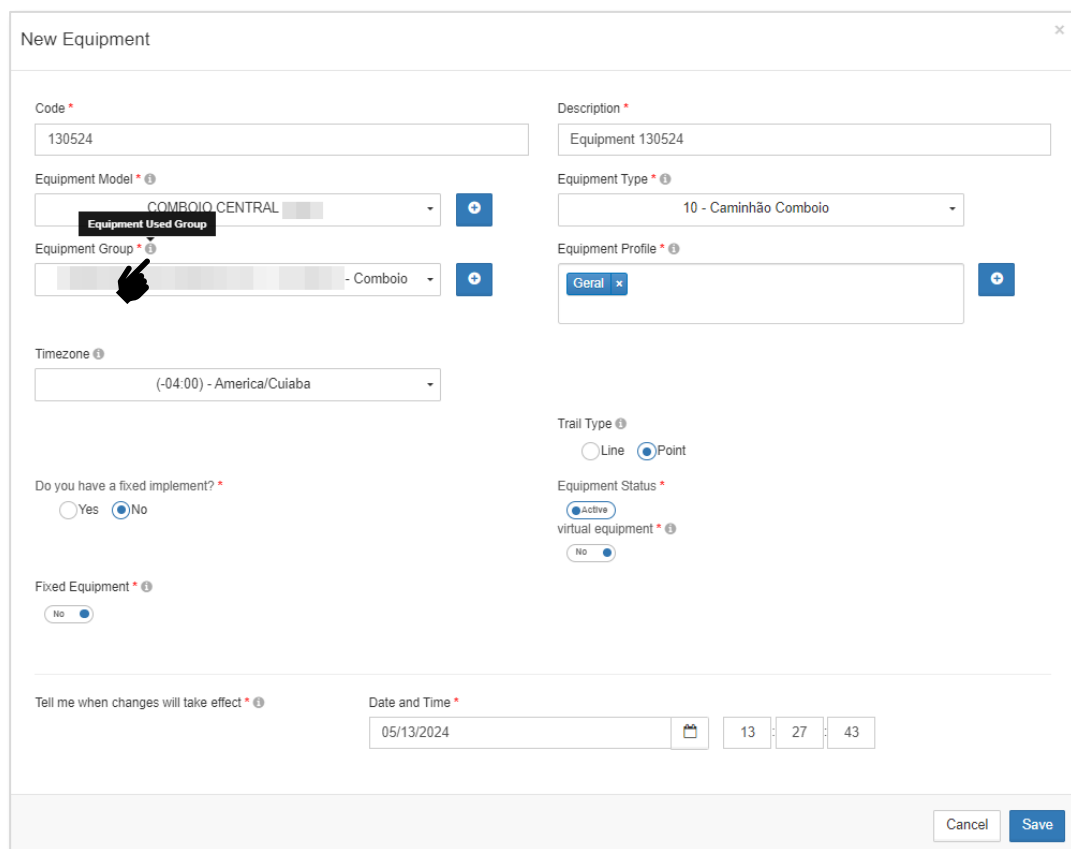


Image 23 – Tooltip with description of the Equipment Model field

Go to Main Menu > Records > Equipment > Equipment > Equipment Model/Equipment Group/Equipment Type/Equipment Profile fields > icon (i)

1.2 Bugs

1.2.1 PBI Reports – Cutting, Loading and Transporting Cane

Adjustment made in the “CCT” Tab of the PBI Report “Cutting, Loading and Transportation of Sugarcane” (offline and online versions), to change the calculation of the Average line of the “Average Sugarcane Harvest Hours” graph, with the purpose of returning the total average.



Go to Main Menu > Reports > PBI > Operating Hours > Cutting, Loading and Transporting Cane > CCT Tab and in PBI > Online Reports > Cutting, Loading and Transporting Cane



Available for Sugarcane Vertical Environments.

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