



RURAL PRODUCT NOTE - CPR

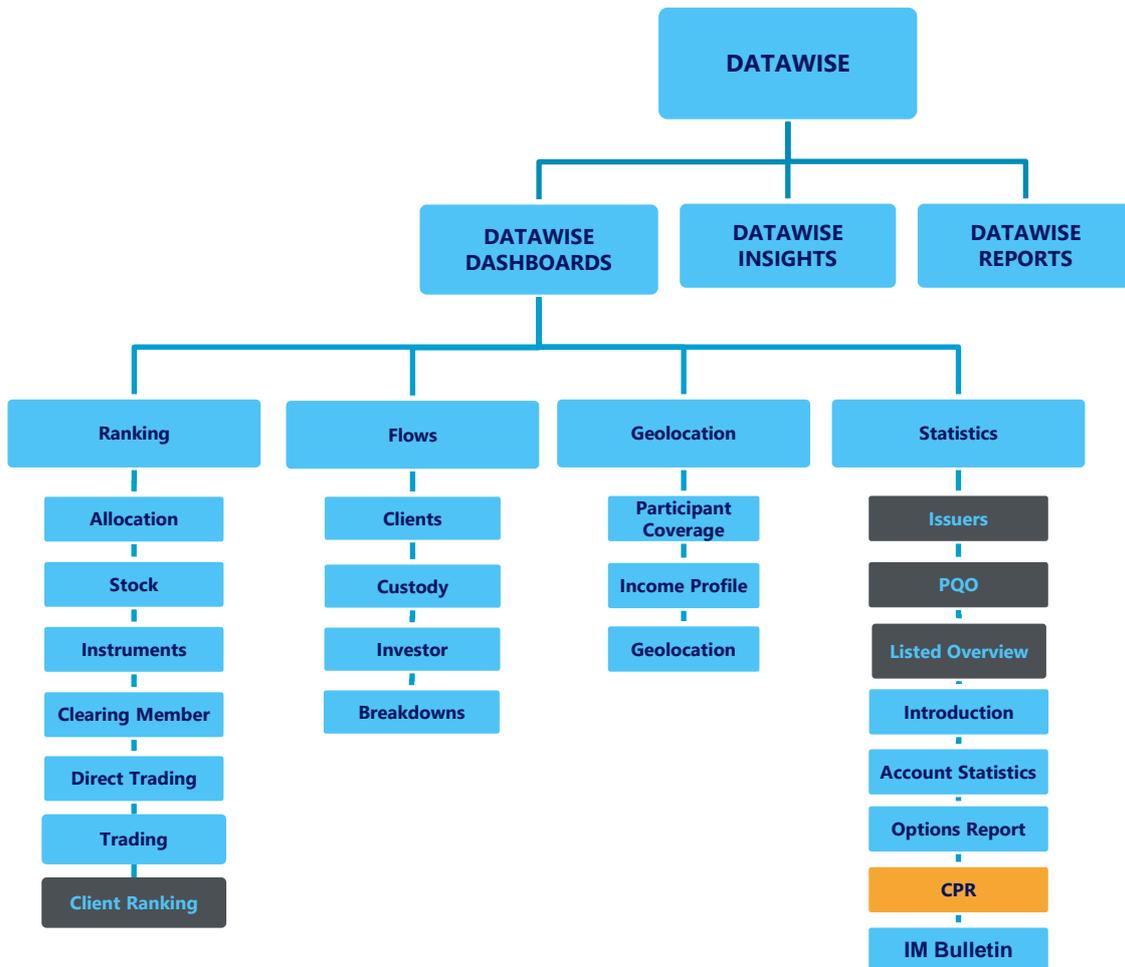
DATAWISE Dashboards

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1 PRODUCT DESCRIPTION WITHIN THE DATAWISE SERVICE



The DATAWISE product was created by B3 with the aim of helping its clients in strategic decisions consolidating various reliable and/or sensitive data in the form of interactive dashboards (DATAWISE Dashboard and DATAWISE Insights) and reports (DATAWISE Reports). It should be noted that as stated in the Commercial Policy, the DATAWISE service does not allow the distribution or redistribution of data.

Each of these modules can be contracted separately as well as their products (individual dashboards and reports), according to the client's intention.

Through the interactive panels it's possible analyze the behavior of stocks (BOVESPA), derivatives and stock futures (BMF) and rental of stocks (BTB) with DATAWISE Dashboards or analyze individual investors' behavior with DATAWISE Insights. Already in DATAWISE Reports you can analyze trading and post-trade asset data, mainly from the OTC market thought reports with raw data (Data Report) or worked reports (Market Report).

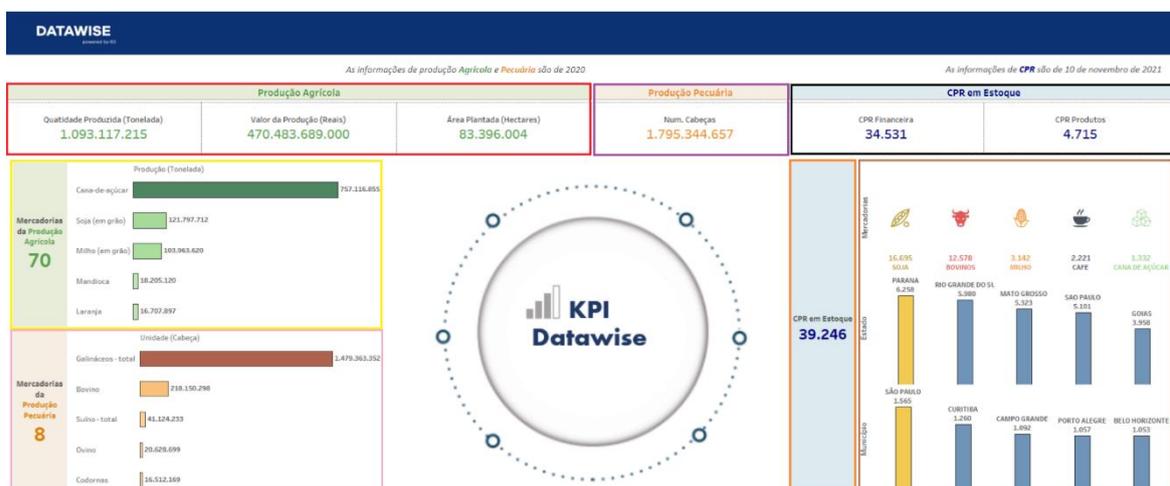
In this manual we will show the Rural Product Note (CPR) dashboard layout, data and filters contained in the DATAWISE Dashboard module.

2 DASHBOARD DESCRIPTION

The CPR dashboard is a tool aimed at clients in the Agriculture Segment, agritechs or institutions that wish to monitor this market, allowing for a dynamic and daily analysis of the stock of CPRs registered at B3 and their geographic distribution, through pre-established filters and parameters through the house.

The CPR dashboard is divided into 6 interactive panels (KPI, Inventory Quantity, Merchandise Quantity, Distribution by State, Agricultural Production and Livestock Production), which will be presented throughout this manual.

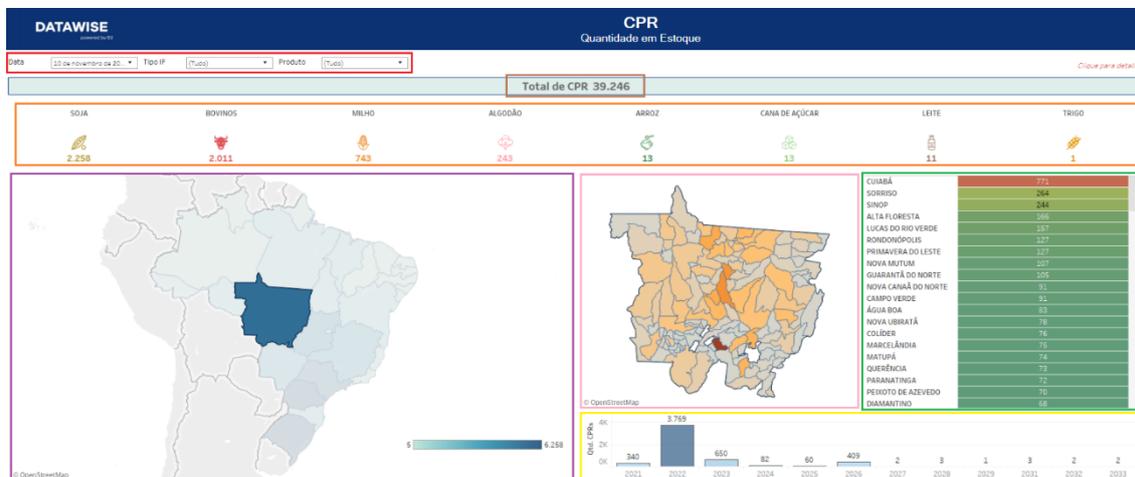
3 KPI PANEL



This manual summarizes all CPR geolocation dashboards in a single dashboard. By marking in colored blocks in the image above, it is possible to verify the structural unfolding of information as we can see below:

- *Red Block – Agricultural Production:*
 - It is verified here, the total quantity of goods produced in (Tons), the total value of the production operation in reais and the total planting area in (Hectares).
- *Purple Block – Livestock Production:*
 - In this block, it is possible to observe the total number of livestock production in the year 2020.
- *Yellow Block - Agricultural Production:*
 - The data displayed here depict the 5 (five) largest agricultural productions in (Tons), and, on the left side of the ranking, the total number of goods produced in the year 2020.
- *Pink Block - Livestock Production:*
 - The data displayed here depict the 5 (five) largest livestock productions in (Head), and, on the left side of the ranking, the total number of goods produced in the year 2020.
- *Brown Block:*
 - In this block, there is a disposition in the ranking of CPR stocks (Rural Producer Bill), by goods, states and municipalities.
- *Black Block:*
 - The data displayed here are depicting the number of Financial CPRs and Product CPRs in stock.
- *Orange Block:*
 - In this block, you can check the total number of CPR bonds in stock.

4 PANEL QUANTITY IN STOCK



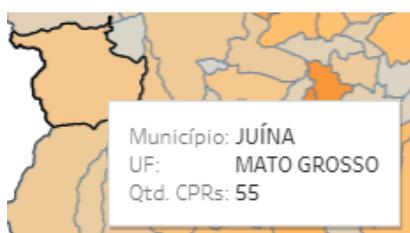
In this panel, it is possible to check the stock quantity of CPRs registered and active in B3 on a certain open date of the UF and Municipalities, their volume in terms of quantity of goods, higher concentrations of agricultural and livestock production and, finally, an overview of the Brazilian agricultural market.

By marking in colored blocks in the image above, it is possible to verify the structural unfolding of information as we can see below:

- *Red Block – Filters:*
 - The filters contained here can be used to extract data from dates, CPR type and product type.
- *Brown Block - CPR Securities in Stock:*
 - The value contained here is the sum of all CPR stocks distributed throughout the Brazilian states.
- *Yellow Block - Remuneration Section:*

- The graphic shown in this block, reproduces the global distribution of the number of existing CPRs, by their respective expiration dates.
- *Green Block – Reproduces the number of CPRs per Municipality.*
- *Bloco Rosa – Detalhamento de Distribuição de CPRs por Município:*
- *Pink Block – Breakdown of Distribution of CPRs by Municipality:*
 - The map shown below, makes it possible, through selection, to verify the total number of CPRs per municipality.

Example:



- *Orange Block - Breakdown of Distribution of CPRs by Type of Merchandise.*

Example:



- The images displayed along this marking, when selected, can be used as an individual detailing parameter to verify the total volume of CPRs associated with a particular merchandise.

- *Purple Block - Breakdown of CPR Stocks by State:*

The map shown below can be used to verify the total stock of CPRs by state, and the total number of goods contained in this state.

Example:



4.1 Description of parameters

4.1.1 Goods

Selection parameter that allows you to filter one or more merchandise reflecting its results in the panel.

4.1.2 Map of Brazil

Selection parameter that allows filtering one or more states, opening details by municipality.

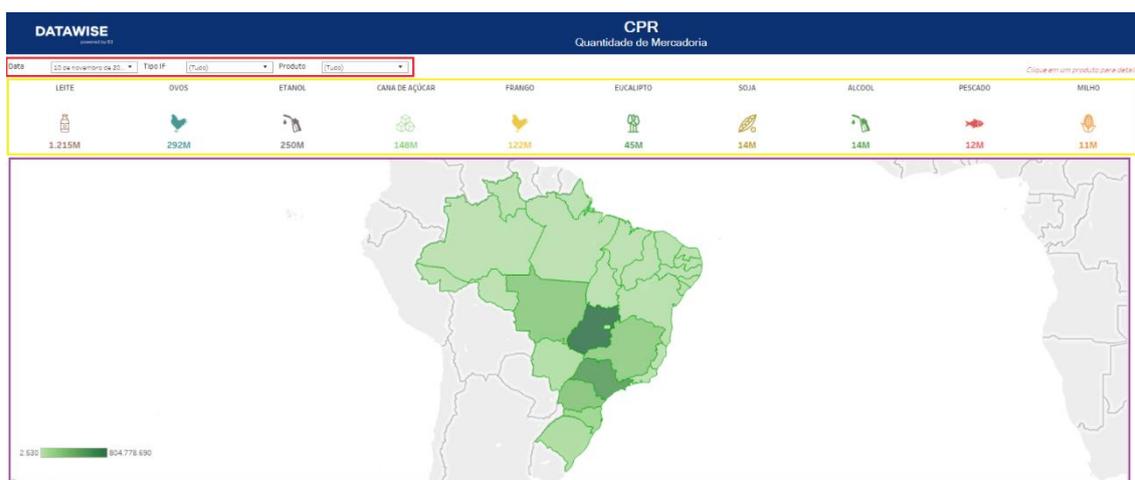
4.1.3 Country Map

Selection parameter that allows filtering one or more municipalities, reflecting their results in the panel.

4.1.4 Expiration Date Graph

Selection parameter that allows filtering CPR expiration dates, reflecting quantities by state on the panel.

5 MERCHANDISE QUANTITY PANEL



This panel displays the quantity of certain goods by state and across the municipalities of a particular state and makes it possible to compare the volume of goods by type, which are contained in a particular municipality, relative to the total of these goods contained in the state.

By marking in colored block in the image above, it is possible to verify the structural unfolding of information as we can see below:

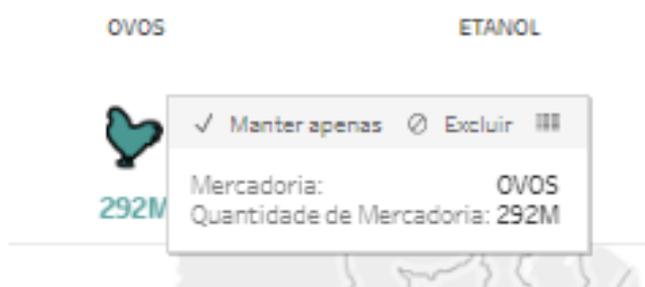
Understanding Color Blocks:

- *Red Block – Filters:*
 - The filters contained here can be used to extract data from dates, IF Type and product types.
- *Yellow Block – Quantitative Breakdown of Merchandise(s) by region or regions:*

- When clicking on the selection parameter, it is possible to notice the expansion of a data breakdown by means of states, municipalities, table, and graph.

Examples:

I. In the image below, it can be seen that after using the selection parameter (image), the type of merchandise associated with this parameter and the total existing quantity are displayed on screen.



II. In the image below, after using the first selection parameter (Example 1.), an analysis of the quantitative composition of existing goods in each of the Brazilian states can be carried out.



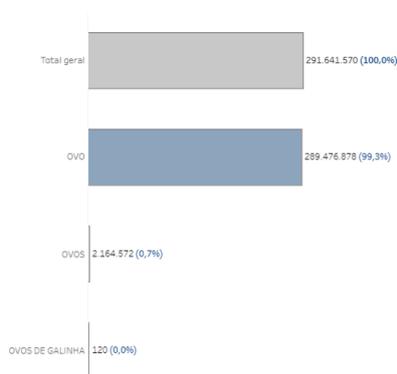
III. In the image below, after using the first selection parameter (Example 1.), an analysis of the quantitative composition of existing goods in each of the Brazilian municipalities can be carried out.



IV. The table below shows a breakdown of the distribution and segregation of products, through factor, volume, and adjusted volume:

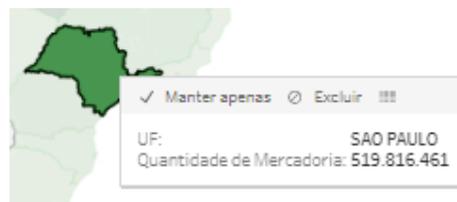
CAIXA DE 30 DÚZIAS	30	637.348	19.120.440
OX 30 DÚZIAS	30	4	120
DÚZIA	1	2.164.572	2.164.572
DÚZIAS	1	3.215.059	3.215.059
UNIDADE	1	267.141.379	267.141.379
	Fator	Volume	Volume Ajustado

V. The chart below shows the percentage distribution of the parts that make up the total number of a given merchandise:



- Pink Block - Breakdown of Quantity of Goods by State:
 - Applying a simple selection to any state contained in the map of Brazil, the display of the total composition of goods contained in that state is noted.

Selection Examples:



5.1 Description of Parameters

5.1.1 Goods

Selection parameter that allows you to filter one or more merchandise reflecting its results in the panel.

5.1.2 Map of Brazil

Selection parameter that allows filtering one or more states, opening details by municipality.

5.1.3 Country Map

Selection parameter that allows filtering one or more municipalities, reflecting their results in the panel.

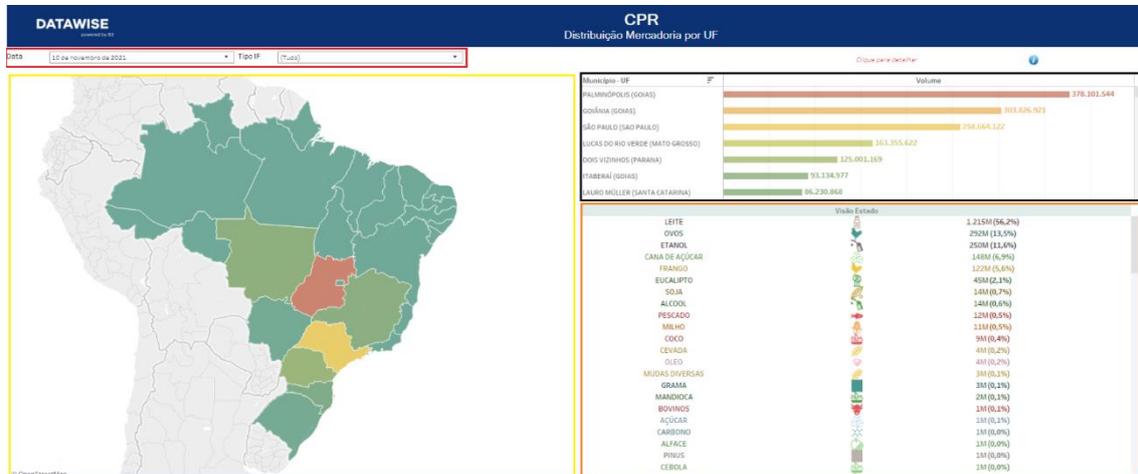
5.1.4 Table of Goods

Allows a quantitative analysis of the number of goods, through a segregation given by: factor, volume and adjusted volume.

5.1.5 Quantitative Merchandise Graph

Note the percentage distribution of the parts in relation to the total of goods.

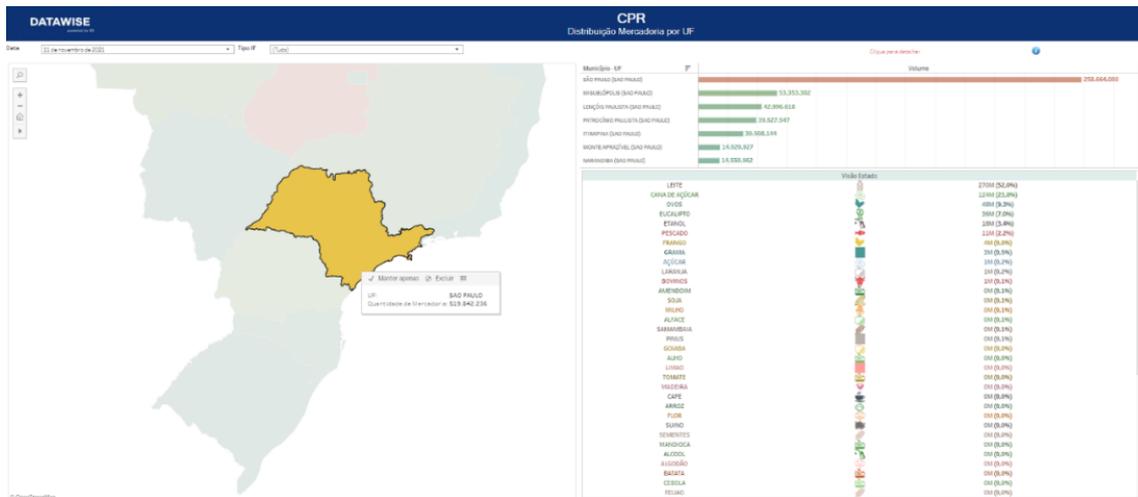
6 PANEL MERCHANDISE DISTRIBUTION BY STATE (UF)



This panel displays the quantity of goods by state, making it possible to check the percentage composition of all types of goods in relation to the whole. In addition to allowing the segmentation of data by type of issued CPR title and enabling the compositional verification of the types of the types of products contained in the total volume of goods in a municipality. By marking in colored blocks in the image above, it is possible to verify the structural unfolding of information as we can see below:

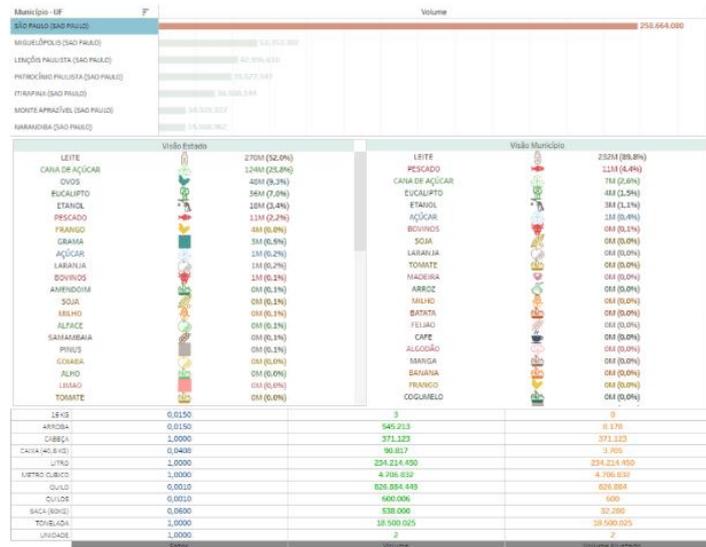
- *Red Block - Filters:*
 - The filters contained here can be used to extract data from CPR types and dates.
- *Yellow Block – Quantitative Breakdown of the Distribution of Merchandise(s) by State:*
 - When clicking on the selection parameter (state), a dynamic summary of the main data about the selected state is reproduced.

Example:



- *Orange Block – Merchandise Breakdown(s):*
 - Applying the selection parameter, note the name of the merchandise, percentage volume distributed, its measurement units and its distribution components.
- *Black Block – Quantitative Breakdown of Merchandise Distribution by Municipality:*
 - In this block, there is a ranking of each of the municipalities through their respective volumes of merchandise; and the composition of each of the goods in relation to the total volume.

Example:



6.1 Description of Parameters

6.1.1 Map of Brazil

Allows you to filter one or more merchandise reflecting its results in the panel.

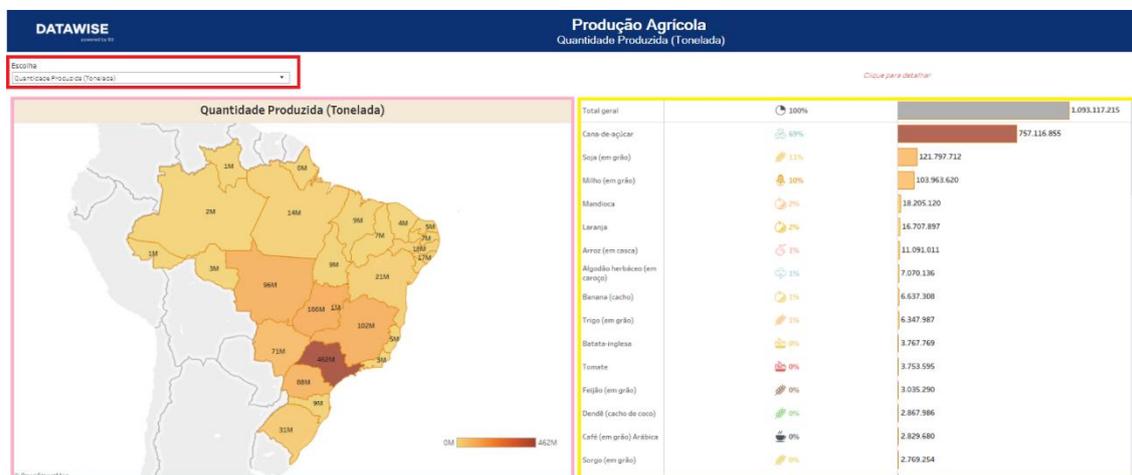
6.1.2 City Country

It allows the verification of municipalities with the greatest distribution of goods in the country, and allows the compositional analysis of goods by municipality and state.

6.1.3 Product Table

Allows the verification of existing products, their respective measurement units, and their "quantity" components.

7 AGRICULTURAL PRODUCTION PANEL

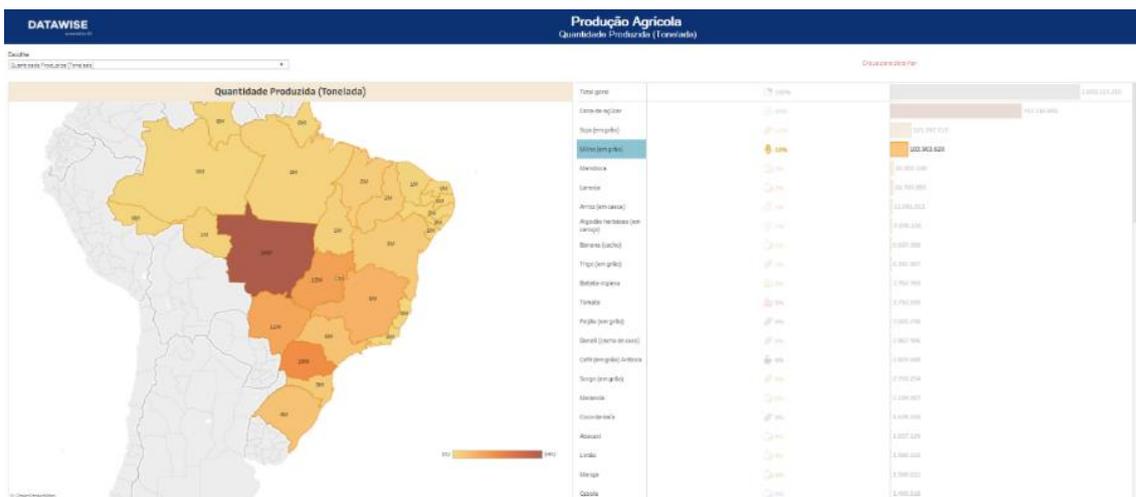


It reproduces in detail the IBGE data on Agricultural Production in Brazil. By marking in colored blocks in the image above, it is possible to verify the structural unfolding of information as we can see below:

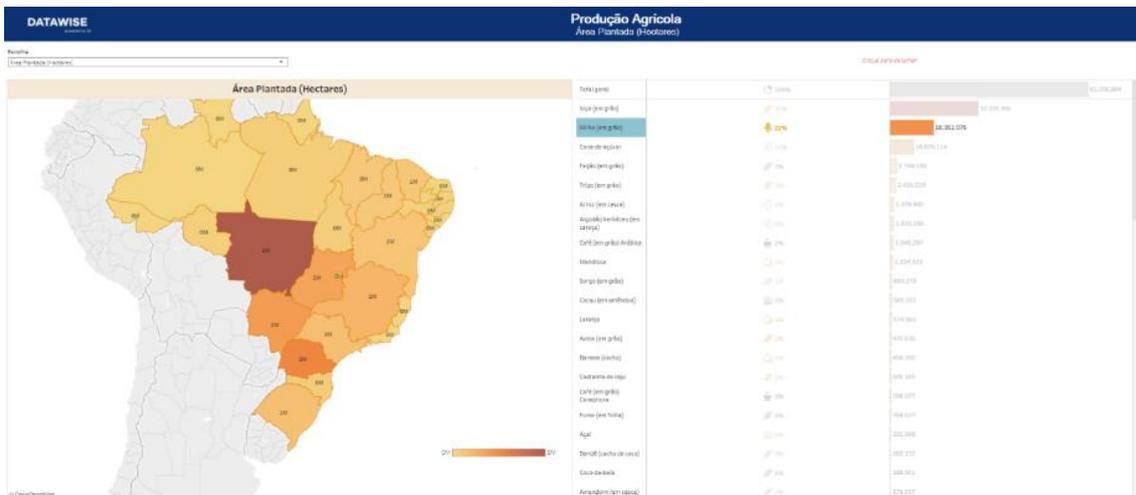
- *Red Block – Filters:*
 - The filters contained here can be used to extract data from Planted Area (Hectares), Produced Quantity (Tons) and Production Value (Reals).
- *Pink Block – Production Breakdown, by region or regions:*
 - When selecting the selection parameter (state), you will notice the reproduction of a dynamic summary of the main data about the selected state, such as:
 - a. Breakdown of data by municipality.
 - b. Breakdown of agricultural production by type and quantity of production.
- *Yellow Block – Details of Agricultural Production:*

- By selecting the detailing parameters, it is possible to verify the production volume, quantity produced and planted area of each production throughout the states in Brazil.

I. Quantity Produced (Ton) - Corn:



II. Planted Area (Hectares) - Corn:



8 PANEL LIVESTOCK PRODUCTION



It reproduces in detail the IBGE data on Livestock Production in Brazil. By marking in colored blocks in the image above, it is possible to verify the structural unfolding of information as we can see below:

- *Red Block – Filter:*
 - The filter searches for a production, and dynamically displays the production volume carried out by each of the states and municipalities in Brazil.

Example:

1. Chickens – Total:



- *Purple Block – Quantitative Breakdown of Livestock Production by Type of Production:*
 - When selecting the selection parameter (Chicken – Total), a dynamic summary of the main data about the type of production selected, such as:
 - a. Details of the volume produced by states and cities.
- *Green Block – Breakdown of Production by Municipalities:*
 - The graph shown reproduces a ranking of municipalities with the largest livestock production in the country.
- *Blue Block – Quantitative Breakdown of Livestock Production by Region:*
 - When selecting the selection parameter (State), one notices the reproduction of a dynamic summary of the main data about the production in this region, such as:
 - a. Effective volume of herds (Heads).

9 DESCRIPTION OF FILTERS

9.1 Date

Data

Displaying data on a specific date.

9.2 IF Type

Tipo IF

Pre-filter: types of CPR, being CPR Financial, CPR Products or all.

9.3 Product

Produto

Selection of goods registered in the CPRs.

9.4 Brazil Level

Nível Brasil

A specific filter on the Livestock Production panel that submits a production type query (cattle, goats, horses, sheep, among others), and dynamically replicates the production data found for all states and municipalities in the country.

10 SERVICE TEAMS

Take an important step and optimize your decision making with our products. In case of doubt, contact our team:

Any query? Talk to us

DATAWISE Sale: produtosdedados@b3.com.br

Contracting: contratacao@b3.com.br

Technical Support: dataservices@b3.com.br