

# **RURAL PRODUCT NOTE - CPR**

**DATAWISE** Dashboards

B3.COM.BR

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DATAWISE DASHBOARDS

# **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.

INFORMAÇÃO INTERNA – INTERNAL INFORMATION

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 CRPs 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.

# **Rural Product Note - CPR** DATAWISE DASHBOARDS



• 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 bellow, 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:



**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:**

# **Rural Product Note - CPR**

DATAWISE DASHBOARDS





#### **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:

# **Rural Product Note - CPR**

DATAWISE DASHBOARDS

DATAWISE	CPR Distribuição Mercadoria por UF		
Data 11 de novembro de 2021   Tipo IP (Tudo)		Clique para detelhar	0
	Markings, bit         P           Jahrmack, Barnack, Starker,		2010 (2010) 2010

- 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:**

# **Rural Product Note - CPR**

DATAWISE DASHBOARDS

Município - UF	7			Volume		
LÃO PAULO (SAO PAULO)						258,664,080
INGUELÕPOLIS (SAO PAULO)						
ENÇÔIS PAULISTA (SAO PAULO)						
RTROCÍNIO PRULISTA (SAO PAU	L03					
TRAFINA (SAD PAULD)						
IONTE APRAZÎVEL (SAO PAULO)						
ARANDIBA (SAO PAULO)						
		Unoffic Ballance			Mello Musicinio	
10,000		V1500 Estado	22044 (52 284)	10 LEITE	A	22211(99.8%)
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0/05		-	4010 (9,316)	CARLADE ACUCAR	205	114 (2,016)
EUCALIPTO		2	36M (7,0%)	EUCALIPTO	1	414 (1,5%)
ETANOL.		1	1014 (3,4%)	ETANOL	. 17	384 (1,1%)
PESCADO		2488	1114 (2,2%)	AÇÛCAR.		134 (0,4%)
FRANGO		*	414 (0.0%)	BOVINOS	*	084 (0,1%)
GRAMA			3M (0.5%)	ALOS	1	G6.8 (0.094)
ACÚCAR		100	IM (0.2%)	LARANJA	2	084 (0,0%)
LARANIA		(2)	110.00.2963	TOMATE	(1)	064 (0.0%)
BOURDS.			111 (0. 194)	Marreirea	0	064 (0.054)
AMENDOINE		ales.	(01.00.196)	ARRO7	15	CE1 (0.0%)
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ALFACE		A.	GM (0, 196)	FEISAD	-	CAN (0,0%)
SAMAMBAIA		98	GM (0,1%)	CAFE	<u>w</u>	ONA (OLONE)
PINUS		100	GM (0.1%)	ALGODÃO	9	G4.8 (D,096)
<b>GOIAEA</b>			0v4 (0'0w)	MANGA	0620	011 (0.0%)
ALHO		then.	GM (0,0%)	BANANA	<u>197</u>	OLA (0,0%6)
LIMAD			GA1 (0,0%)	FRANGO	M	OF4 (0.094)
TOMATE		104	GM (0.0%)	COGUMELO	eller	OE8 (0,0%)
19 405		0,0150		3		0
ARROBA		0,0150		545.213		8.178
CABEÇA		1,0000		371.123		371.123
CAIXA (40,8 ×3)		0,0408		90.817		3.705
LITRO		1,0000		234,214,450		234,214,450
METRO CLEICO		2,0000		4 706 832		4.706.837
QUILD		0,0010		826.894.449		026.864
CUILOS		0,0010		600.006		600
SACA (60KD)		0.0600		538.000		32,290
TONE 404		1,0000		18 500 025		18 500 025
LANDAR		1,0000		2		2

#### 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

DATAWISE	Produção Agrícola Quantidade Produzida (Tonelad	a)			
Excelle Guarricase Procurios (fone ana)		Cique para deteritor			
Quantidade Produzida (Tonelada)	Total geral	C 100%	1.093.117.215		
	Cana-de-açúcar	A 69%	757.116.855		
	Soja (em grão)	g 11%	121.797.712		
m For Liter	Milho (em grão)	<b>9.</b> 10%	103.963.620		
The Time March	Mandioca	(2 m	18.205.120		
AM AND	Laranja	() ===	16.707.897		
214	Arroz (em casca)	5 1%	11.091.011		
3M 3M 21M	Algodão herbáceo (em caroço)	Q 18	7.070.136		
ine ine	Banana (cacho)	() 1%	6.637.308		
100M 10	Trigo (em grão)	\$ 25	6.347.987		
710 710	Batata-inglesa	de an	3.767.769		
You and and and	Tomate	ans ans	3.753.595		
	Feijão (em grão)	st on	3.035.290		
	Dendê (cacho de coco)	At an	2.867.986		
33M	462M	ar 195	2.829.680		
	Sorgo (em grão)	# m	2.769.254		

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. Qauntity Produced (Ton) - Corn:

# II. Planted Area (Hectares) - Corn:

DATAWISE		Produção Agricola Área Plantada (Hostares)			
facella Las Restats (concert				The area of the	
[118] ******** (* 503772)					
	Área Plantada (Hectares)	Torias gana.	13.999	1.01.0	1
		price (excellence)		the set we	
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		Counderaels		444.965	
a CourtCourtains		Amendulim (any casca)			

# Distriction Production Optimized Star de Production (Reals) Image: I

### III. Production Value (Brazilian Currency) - Corn:

#### 7.1 Description of Parameters

#### 7.1.1 Map of Brazil

Allows you to filter one or more states, enabling an exclusive analysis of data.

# 7.1.2 Map of Municipalities

Allows you to filter one or more municipalities, reflecting their results on the panel.

#### 7.1.3 Production Arrangement

Allows you to dynamically check agricultural production data.

# 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:

DATAWISE	Produção Pecuária		
22	Nivel Brasil Landens Inter #		والملك وحزمزان
A.	KAN Isriaan for		
		Antena Marca (M) Antena (M) Marca (M) Mar	2 1 000 000 2 1 000 000 2 4 000 000 2 4 000 4 00
I Coordinantilian		Barraras (6A)	7.201.000

- 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	15 de dezembro de 20 🔻	1
	20 00 002011010 00 20	

Displaying data on a specific date.

## 9.2 IF Type

Tipo IF (Tudo) 💌

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

#### 9.3 Product

Produto	(Tudo)	*

Selection of goods registered in the CPRs.

#### 9.4 Brazil Level

Nível Brasil Destacar Produto

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:

