

Benchmarking dairy season 2024 | 2025



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BENCHMARKING DAIRY – 2024/2025 SEASON

A program that transforms your farm into numbers and creates references to maximize your activity. It is the largest private financial database in **Latin America** and the largest global zootechnical database on dairy production.

In Brazil, it covers the states of **Rio Grande do Sul, Paraná, Santa Catarina, Rondônia, Goiás, Minas Gerais, Ceará, Bahia, and São Paulo.**

A total of **25 technicians** participated in the data collection, including professionals from **dsm-firmenich**, partner cooperatives, and dairy processors. This year, 1,146 farms were analyzed, both financially and production indicators. These farms ranged in size from **2,500 liters/day** to **28,000 liters/day**.

Data collection is performed directly through an exclusive online platform. **Indicators** are statistically analyzed and returned to clients securely and confidentially, allowing comparisons with other farms of similar production systems.

In addition, this **Benchmark** is published annually for the market.



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AVERAGE SCC

AVERAGE CBT

FAT %

PROTEIN %



468,84

x1000
Cel./ml

AVERAGE*

**AVERAGE
TOP PROFITABLE****

**AVERAGE
TOP INDICATORS*****

* Average of indicators from dsm-firmenich clients – 1,146 farms, 9 states, and 25 technicians ** Average of the top 30% most profitable farms based on Profit Margin (%)
*** Average of the top 30% for those indicators – Data from Jul/24 to Jun/25– Dh = man-day – RB = gross income from the activity – COE = effective operating cost



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AVERAGE SCC

AVERAGE CBT

FAT %

PROTEIN %



351,00

x1000
Cel./ml

AVERAGE*

**AVERAGE
TOP PROFITABLE****

**AVERAGE
TOP INDICATORS*****

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AVERAGE SCC

AVERAGE CBT

FAT %

PROTEIN %



228,69

x1000
Cel./ml

AVERAGE*

AVERAGE
TOP PROFITABLE**

AVERAGE
TOP INDICATORS***

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AVERAGE SCC

AVERAGE CBT

FAT %

PROTEIN %



25,000

x1000
CFU/ml

AVERAGE*

**AVERAGE
TOP PROFITABLE****

**AVERAGE
TOP INDICATORS*****

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AVERAGE SCC

AVERAGE CBT

FAT %

PROTEIN %



19,00

x1000
CFU/ml

AVERAGE*

**AVERAGE
TOP PROFITABLE****

**AVERAGE
TOP INDICATORS*****

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AVERAGE SCC

AVERAGE CBT

FAT %

PROTEIN %



18,66

x1000
CFU/ml

AVERAGE*

AVERAGE
TOP PROFITABLE**

AVERAGE
TOP INDICATORS***

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AVERAGE SCC

AVERAGE CBT

FAT %

PROTEIN %



3,72

%

AVERAGE*

**AVERAGE
TOP PROFITABLE****

**AVERAGE
TOP INDICATORS*****

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AVERAGE SCC

AVERAGE CBT

FAT %

PROTEIN %



3,89

%

AVERAGE*

**AVERAGE
TOP PROFITABLE****

**AVERAGE
TOP INDICATORS*****

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AVERAGE SCC

AVERAGE CBT

FAT %

PROTEIN %



4,00

%

AVERAGE*

AVERAGE
TOP PROFITABLE**

AVERAGE
TOP INDICATORS***

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AVERAGE SCC

AVERAGE CBT

FAT %

PROTEIN %



3,30

%

AVERAGE*

**AVERAGE
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TOP INDICATORS*****

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AVERAGE SCC

AVERAGE CBT

FAT %

PROTEIN %



3,36

%

AVERAGE*

**AVERAGE
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**AVERAGE
TOP INDICATORS*****

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AVERAGE SCC

AVERAGE CBT

FAT %

PROTEIN %



3,52

%

AVERAGE*

AVERAGE
TOP PROFITABLE**

AVERAGE
TOP INDICATORS***

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LACTATING COWS / TOTAL COWS

LACTATING COWS / TOTAL HERD

LACTATING COWS / LAND AREA FOR LIVESTOCK



85,75

%

AVERAGE*

**AVERAGE
TOP PROFITABLE****

**AVERAGE
TOP INDICATORS*****

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LACTATING COWS / TOTAL COWS

LACTATING COWS / TOTAL HERD

LACTATING COWS / LAND AREA FOR LIVESTOCK



89,32

%

AVERAGE*

**AVERAGE
TOP PROFITABLE****

**AVERAGE
TOP INDICATORS*****

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LACTATING COWS / TOTAL COWS

LACTATING COWS / TOTAL HERD

LACTATING COWS / LAND AREA FOR LIVESTOCK



90,73

%

AVERAGE*

AVERAGE
TOP PROFITABLE**

AVERAGE
TOP INDICATORS***

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LACTATING COWS / TOTAL COWS

LACTATING COWS / TOTAL HERD

LACTATING COWS / LAND AREA FOR LIVESTOCK

45,45

%

AVERAGE*

**AVERAGE
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**AVERAGE
TOP INDICATORS*****

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LACTATING COWS / TOTAL COWS

LACTATING COWS / TOTAL HERD

LACTATING COWS / LAND AREA FOR LIVESTOCK

45,86

%

AVERAGE*

**AVERAGE
TOP PROFITABLE****

**AVERAGE
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LACTATING COWS / TOTAL COWS

LACTATING COWS / TOTAL HERD

LACTATING COWS / LAND AREA FOR LIVESTOCK

57,86

%

AVERAGE*

**AVERAGE
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AVERAGE*

**AVERAGE
TOP PROFITABLE****

**AVERAGE
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AVERAGE*

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LACTATING COWS / TOTAL COWS

LACTATING COWS / TOTAL HERD

LACTATING COWS / LAND AREA FOR LIVESTOCK

2,80

**Head/
ha**

AVERAGE*

**AVERAGE
TOP PROFITABLE****

**AVERAGE
TOP INDICATORS*****

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LACTATING COWS / PERMANENT LABOR

PRODUCTION / LACTATING COWS

PRODUCTION / PERMANENT LABOR

PRODUCTION / AREA FOR LIVESTOCK



19,65
Head/pl

AVERAGE*

**AVERAGE
TOP PROFITABLE****

**AVERAGE
TOP INDICATORS*****

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LACTATING COWS / PERMANENT LABOR

PRODUCTION / LACTATING COWS

PRODUCTION / PERMANENT LABOR

PRODUCTION / AREA FOR LIVESTOCK



24,07
Head/pl

AVERAGE*

**AVERAGE
TOP PROFITABLE****

**AVERAGE
TOP INDICATORS*****

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LACTATING COWS / PERMANENT LABOR

PRODUCTION / LACTATING COWS

PRODUCTION / PERMANENT LABOR

PRODUCTION / AREA FOR LIVESTOCK



31,36
Head/pl

AVERAGE*

**AVERAGE
TOP PROFITABLE****

**AVERAGE
TOP INDICATORS*****

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LACTATING COWS / PERMANENT LABOR

PRODUCTION / LACTATING COWS

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PRODUCTION / AREA FOR LIVESTOCK



26,85
L/Cow/day

AVERAGE*

**AVERAGE
TOP PROFITABLE****

**AVERAGE
TOP INDICATORS*****

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PRODUCTION / AREA FOR LIVESTOCK



30,17
L/Cow/day

AVERAGE*

**AVERAGE
TOP PROFITABLE****

**AVERAGE
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PRODUCTION / PERMANENT LABOR

PRODUCTION / AREA FOR LIVESTOCK



33,02
L/Cow/day

AVERAGE*

**AVERAGE
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**AVERAGE
TOP INDICATORS*****

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LACTATING COWS / PERMANENT LABOR

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PRODUCTION / AREA FOR LIVESTOCK



527,64
L/pl

AVERAGE*

**AVERAGE
TOP PROFITABLE****

**AVERAGE
TOP INDICATORS*****

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726,19
L/pl

AVERAGE*

**AVERAGE
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**AVERAGE
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883,64
L/pl

AVERAGE*

**AVERAGE
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**AVERAGE
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LACTATING COWS / PERMANENT LABOR

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PRODUCTION / AREA FOR LIVESTOCK



12.581,79
L/ha/year

AVERAGE*

**AVERAGE
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**AVERAGE
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PRODUCTION / PERMANENT LABOR

PRODUCTION / AREA FOR LIVESTOCK



14.938,08
L/ha/year

AVERAGE*

**AVERAGE
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**AVERAGE
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LACTATING COWS / PERMANENT LABOR

PRODUCTION / LACTATING COWS

PRODUCTION / PERMANENT LABOR

PRODUCTION / AREA FOR LIVESTOCK



29.445,63
L/ha/year

AVERAGE*

**AVERAGE
TOP PROFITABLE****

**AVERAGE
TOP INDICATORS*****

* Average of indicators from dsm-firmenich clients – 1,146 farms, 9 states, and 25 technicians ** Average of the top 30% most profitable farms based on Profit Margin (%)
*** Average of the top 30% for those indicators – Data from Jul/24 to Jun/25 – Dh = man-day – RB = gross income from the activity – COE = effective operating cost



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AVERAGE MILK PRICE

DMCA - EXPENSES MINUS
COST OF FEEDING

RMCA - REVENUE MINUS
COST OF FEEDING

EFFECTIVE OPERATIONAL
COST OF MILK (COE)



3,05

R\$/L

AVERAGE*

**AVERAGE
TOP PROFITABLE****

**AVERAGE
TOP INDICATORS*****

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**DMCA - EXPENSES MINUS
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**RMCA - REVENUE MINUS
COST OF FEEDING**

**EFFECTIVE OPERATIONAL
COST OF MILK (COE)**



3,09

R\$/L

AVERAGE*

**AVERAGE
TOP PROFITABLE****

**AVERAGE
TOP INDICATORS*****

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EFFECTIVE OPERATIONAL
COST OF MILK (COE)



3,12

R\$/L

AVERAGE*

**AVERAGE
TOP PROFITABLE****

**AVERAGE
TOP INDICATORS*****

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AVERAGE MILK PRICE

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RMCA - REVENUE MINUS
COST OF FEEDING

EFFECTIVE OPERATIONAL
COST OF MILK (COE)



8.497,37

(R\$/cow/period)

AVERAGE*

**AVERAGE
TOP PROFITABLE****

**AVERAGE
TOP INDICATORS*****

* Average of indicators from dsm-firmenich clients - 1,146 farms, 9 states, and 25 technicians ** Average of the top 30% most profitable farms based on Profit Margin (%)
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EFFECTIVE OPERATIONAL
COST OF MILK (COE)



8.080,36

(R\$/cow/period)

AVERAGE*

**AVERAGE
TOP PROFITABLE****

**AVERAGE
TOP INDICATORS*****

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DMCA - EXPENSES MINUS
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EFFECTIVE OPERATIONAL
COST OF MILK (COE)



5.250,22

(R\$/cow/period)

AVERAGE*

**AVERAGE
TOP PROFITABLE****

**AVERAGE
TOP INDICATORS*****

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COST OF MILK (COE)



17.826,72

(R\$/cow/period)

AVERAGE*

**AVERAGE
TOP PROFITABLE****

**AVERAGE
TOP INDICATORS*****

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22.355,61

(R\$/cow/period)

AVERAGE*

**AVERAGE
TOP PROFITABLE****

**AVERAGE
TOP INDICATORS*****

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22.362,51

(R\$/cow/period)

AVERAGE*

**AVERAGE
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**AVERAGE
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* Average of indicators from dsm-firmenich clients - 1,146 farms, 9 states, and 25 technicians ** Average of the top 30% most profitable farms based on Profit Margin (%)
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2,08

R\$/L

AVERAGE*

**AVERAGE
TOP PROFITABLE****

**AVERAGE
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1,84

R\$/L

AVERAGE*

**AVERAGE
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**AVERAGE
TOP INDICATORS*****

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COST OF MILK (COE)



1,83

R\$/L

AVERAGE*

**AVERAGE
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**AVERAGE
TOP INDICATORS*****

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**COST OF CONCENTRATES IN THE
ACTIVITY / GR OF THE ACTIVITY**

**COST OF MEDICATION IN THE
ACTIVITY / GR OF THE ACTIVITY**

**COST OF SUPPLEMENTS, MINERALS,
AND ADDITIVES IN THE ACTIVITY
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68,29



AVERAGE*

**AVERAGE
TOP PROFITABLE****

**AVERAGE
TOP INDICATORS*****

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COST OF SUPPLEMENTS, MINERALS,
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59,41

%

AVERAGE*

**AVERAGE
TOP PROFITABLE****

**AVERAGE
TOP INDICATORS*****

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COST OF SUPPLEMENTS, MINERALS, AND ADDITIVES IN THE ACTIVITY / GR OF THE ACTIVITY



59,46



AVERAGE*

AVERAGE TOP PROFITABLE**

AVERAGE TOP INDICATORS***

* Average of Androgto of dsm-firmenich clients in the 1467 farms in 8 states in 2023. ** Average of the top 20% of profitable farms in Brazil. *** Average of the top 20% of profitable farms in Brazil. (Of) Margin (%)



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8,39



AVERAGE*

**AVERAGE
TOP PROFITABLE****

**AVERAGE
TOP INDICATORS*****

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*** Average of the top 30% for those indicators – Data from Jul/24 to Jun/25 – Dh = man-day – RB = gross income from the activity – COE = effective operating cost



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COST OF SUPPLEMENTS, MINERALS, AND ADDITIVES IN THE ACTIVITY / GR OF THE ACTIVITY



6,15

%

AVERAGE*

AVERAGE TOP PROFITABLE**

AVERAGE TOP INDICATORS***

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13,77



AVERAGE*

**AVERAGE
TOP PROFITABLE****

**AVERAGE
TOP INDICATORS*****

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COST OF MEDICATION IN THE
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COST OF SUPPLEMENTS, MINERALS,
AND ADDITIVES IN THE ACTIVITY
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11,10



AVERAGE*

**AVERAGE
TOP PROFITABLE****

**AVERAGE
TOP INDICATORS*****

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*** Average of the top 30% for those indicators – Data from Jul/24 to Jun/25 – Dh = man-day – RB = gross income from the activity – COE = effective operating cost



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COST OF MEDICATION IN THE ACTIVITY / GR OF THE ACTIVITY

COST OF SUPPLEMENTS, MINERALS, AND ADDITIVES IN THE ACTIVITY / GR OF THE ACTIVITY



8,82

%

AVERAGE*

AVERAGE TOP PROFITABLE**

AVERAGE TOP INDICATORS***

* Average of Androgats of dsm-firmenich clients in the states of 194678 farms, states and 2520 technicians. ** Average of the top 20% of profitable farms. *** Average of the top 20% of indicators. Data from the study of 2024 DHRB and its review of the CoE of the effective operational cost.



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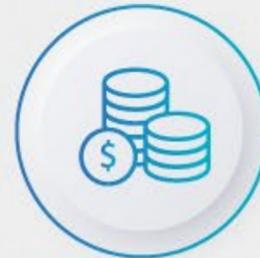
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26,27



AVERAGE*

AVERAGE TOP PROFITABLE**

AVERAGE TOP INDICATORS***

* Average of indicators from dsm-firmenich clients – 1,146 farms, 9 states, and 25 technicians ** Average of the top 30% most profitable farms based on Profit Margin (%) *** Average of the top 30% for those indicators – Data from Jul/24 to Jun/25 – Dh = man-day – RB = gross income from the activity – COE = effective operating cost



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25,42



AVERAGE*

**AVERAGE
TOP PROFITABLE****

**AVERAGE
TOP INDICATORS*****

* Average of indicators from dsm-firmenich clients – 1,146 farms, 9 states, and 25 technicians ** Average of the top 30% most profitable farms based on Profit Margin (%)
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COST OF SUPPLEMENTS, MINERALS,
AND ADDITIVES IN THE ACTIVITY
/ GR OF THE ACTIVITY



22,32



AVERAGE*

**AVERAGE
TOP PROFITABLE****

**AVERAGE
TOP INDICATORS*****

* Average of Average of dsm-firmenich clients in 1946 farms in 8 states in 2023. ** Average of the top 30% of profitable farms in Brazil. *** Average of the top 30% of profitable farms in Brazil. **** Average of the top 30% of profitable farms in Brazil. ***** Average of the top 30% of profitable farms in Brazil.



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**COST OF MEDICATION IN THE
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COST OF SUPPLEMENTS, MINERALS,
AND ADDITIVES IN THE ACTIVITY
/ GR OF THE ACTIVITY



4,44

%

AVERAGE*

**AVERAGE
TOP PROFITABLE****

**AVERAGE
TOP INDICATORS*****

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**COST OF MEDICATION IN THE
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COST OF SUPPLEMENTS, MINERALS,
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2,87

%

AVERAGE*

**AVERAGE
TOP PROFITABLE****

**AVERAGE
TOP INDICATORS*****

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COST OF MEDICATION IN THE ACTIVITY / GR OF THE ACTIVITY

COST OF SUPPLEMENTS, MINERALS, AND ADDITIVES IN THE ACTIVITY / GR OF THE ACTIVITY



2,32

%

AVERAGE*

AVERAGE TOP PROFITABLE**

AVERAGE TOP INDICATORS***

* Average of indicators from dsm-firmenich clients – 1,146 farms, 9 states, and 25 technicians ** Average of the top 30% most profitable farms based on Profit Margin (%) *** Average of the top 30% for those indicators – Data from Jul/24 to Jun/25 – Dh = man-day – RB = gross income from the activity – COE = effective operating cost



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LABOR COSTS IN THE ACTIVITY /
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COST OF ROUGHAGE IN THE
ACTIVITY / GR OF THE ACTIVITY

COST OF CONCENTRATES IN THE
ACTIVITY / GR OF THE ACTIVITY

COST OF MEDICATION IN THE
ACTIVITY / GR OF THE ACTIVITY

**COST OF SUPPLEMENTS, MINERALS,
AND ADDITIVES IN THE ACTIVITY
/ GR OF THE ACTIVITY**



3,61



AVERAGE*

**AVERAGE
TOP PROFITABLE****

**AVERAGE
TOP INDICATORS*****

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COST OF MEDICATION IN THE
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**COST OF SUPPLEMENTS, MINERALS,
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4,50



AVERAGE*

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COST OF ROUGHAGE IN THE ACTIVITY / GR OF THE ACTIVITY

COST OF CONCENTRATES IN THE ACTIVITY / GR OF THE ACTIVITY

COST OF MEDICATION IN THE ACTIVITY / GR OF THE ACTIVITY

COST OF SUPPLEMENTS, MINERALS, AND ADDITIVES IN THE ACTIVITY / GR OF THE ACTIVITY



2,05

%

AVERAGE*

AVERAGE TOP PROFITABLE**

AVERAGE TOP INDICATORS***

* Average of Androgats of dsm-firmenich clients in the states of 2019, 2020 and 2021. ** Average of the top 20% of profitable farms. *** Average of the top 20% of indicators. Data from the study of 2024 DHR Brazil survey. See the COE Effectiveness Operational Report.



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PROFITABILITY

Unit gross margin of the activity	0,95	R\$/L
Gross margin / Area	11.975,36	R\$/ha
Gross margin / Lactating cows	9.329,35	R\$/Cab.
Profit margin	29,49	%
Milk income / Activity income	94,45	%
Annual investment / Gross margin	19,50	%

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PROFITABILITY

Unit gross margin of the activity

1,30

R\$/L

Gross margin / Area

19.362,90

R\$/ha

Gross margin / Lactating cows

14.275,25

R\$/Cab.

Profit margin

38,66

%

Milk income / Activity income

92,22

%

Annual investment / Gross margin

13,72

%

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PROFITABILITY

Unit gross margin of the activity	1,30	R\$/L
Gross margin / Area	22.906,24	R\$/ha
Gross margin / Lactating cows	14.733,17	R\$/Cab.
Profit margin	38,66	%
Milk income / Activity income	-	%
Annual investment / Gross margin	47,74	%

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ANALYTICAL FINANCIAL

Concentrates	0,80
Roughage (Forage)	0,42
Labor	0,26
Medication	0,14
Supplements, Minerals, and Additives	0,11
Energy and Fuel	0,10
Repairs and Maintenance of Facilities and Equipment	0,07
Reproduction	0,02
Milking Materials	0,04
Other Operating Expenses	0,04
Taxes and Fees	0,05
Technical Assistance	0,02
Total COE (R\$/L)	2,08

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ANALYTICAL FINANCIAL

Concentrates	0,78
Roughage (Forage)	0,35
Labor	0,19
Medication	0,09
Supplements, Minerals, and Additives	0,13
Energy and Fuel	0,08
Repairs and Maintenance of Facilities and Equipment	0,06
Reproduction	0,02
Milking Materials	0,04
Other Operating Expenses	0,05
Taxes and Fees	0,03
Technical Assistance	0,04
Total COE (R\$/L)	1,87

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In a correlation analysis between all zootechnical indicators and financial results, the two indicators that showed the strongest correlation with financial performance were ADG (average daily gain) in youngstock and heifers, and pregnancy rate.

ADG (AVERAGE DAILY GAIN OF CALVES AND HEIFERS)

Animals that gain more weight begin their reproductive life earlier, enabling higher farm revenue, since a larger proportion of animals become productive compared to non-productive ones.

PREGNANCY RATE (PR, %)

Farms with high pregnancy rates achieve a higher number of calvings per year. This provides two advantages: A better herd and production structure, as a higher proportion of cows in lactation is obtained relative to total cows; A greater likelihood of maintaining more cows near peak milk production.

As a result, the farm produces more milk more efficiently. It is estimated that each additional day in milk (DIM) impacts cow productivity by approximately 70 ml.

Would you like to know how Brazil compares to other countries in these and other productivity and health indicators? We prepared an international zootechnical benchmarking with several countries to understand Brazil's position in the global landscape.

SEE MORE!



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PRODUCTIVE EFFICIENCY IN THE WORLD

NUMBER OF FARMS	5719
PRODUCTION	
Lactation period (days)	335,85
Average production (L/cow/d)	30,12
Lifetime production (L total)	26786,23
MILK QUALITY	
% Fat	4,31
% protein	3,46
SCC (x1000/ml)	243,97
% cows over 250.000 SCC	16,11
% clinical mastitis incidence	2,26
FERTILITY	
Days to First Heat	73,78
Days to First Conception	84,01
Semen (doses/pregnancy)	2,02
Insemination rate (%)	47,43
Conception rate (%)	43,09
Pregnancy rate (%)	17,79
Age at first calving (months)	26,51
Average calving interval (days)	422,64
HEALTH	
% stillborn	4,17
% dead calves until 14 days of life	1,56

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NUMBER OF FARMS	435
PRODUCTION	
Lactation period (days)	341,32
Average production (L/cow/d)	31,10
Lifetime production (L total)	25476,32
MILK QUALITY	
% Fat	4,22
% protein	3,43
SCC (x1000/ml)	208,40
% cows over 250.000 SCC	16,76
% clinical mastitis incidence	6,44
FERTILITY	
Days to First Heat	74,26
Days to First Conception	83,20
Semen (doses/pregnancy)	2,10
Insemination rate (%)	47,91
Conception rate (%)	39,84
Pregnancy rate (%)	16,42
Age at first calving (months)	25,57
Average calving interval (days)	413,53
HEALTH	
% stillborn	4,97
% dead calves until 14 days of life	1,66

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NUMBER OF FARMS	1146
PRODUCTION	
Lactation period (days)	335,36
Average production (L/cow/d)	29,91
Lifetime production (L total)	14071,28
MILK QUALITY	
% Fat	3,89
% protein	3,36
SCC (x1000/ml)	351,00
% cows over 250.000 SCC	26,14
% clinical mastitis incidence	2,48
FERTILITY	
Days to First Heat	67,76
Days to First Conception	70,70
Semen (doses/pregnancy)	2,23
Insemination rate (%)	48,77
Conception rate (%)	37,13
Pregnancy rate (%)	15,25
Age at first calving (months)	30,45
Average calving interval (days)	474,45
HEALTH	
% stillborn	3,02
% dead calves until 14 days of life	2,36



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NUMBER OF FARMS	386
PRODUCTION	
Lactation period (days)	324,58
Average production (L/cow/d)	34,51
Lifetime production (L total)	23065,46
MILK QUALITY	
% Fat	4,27
% protein	3,37
SCC (x1000/ml)	735,69
% cows over 250.000 SCC	15,24
% clinical mastitis incidence	1,63
FERTILITY	
Days to First Heat	70,63
Days to First Conception	76,78
Semen (doses/pregnancy)	2,15
Insemination rate (%)	56,57
Conception rate (%)	41,24
Pregnancy rate (%)	20,35
Age at first calving (months)	25,59
Average calving interval (days)	402,44
HEALTH	
% stillborn	5,31
% dead calves until 14 days of life	1,16

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NUMBER OF FARMS	384
PRODUCTION	
Lactation period (days)	346,71
Average production (L/cow/d)	30,42
Lifetime production (L total)	26365,70
MILK QUALITY	
% Fat	4,09
% protein	3,46
SCC (x1000/ml)	261,71
% cows over 250.000 SCC	17,28
% clinical mastitis incidence	2,26
FERTILITY	
Days to First Heat	80,73
Days to First Conception	94,25
Semen (doses/pregnancy)	2,03
Insemination rate (%)	42,00
Conception rate (%)	44,79
Pregnancy rate (%)	16,25
Age at first calving (months)	27,43
Average calving interval (days)	438,29
HEALTH	
% stillborn	4,61
% dead calves until 14 days of life	1,37



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NUMBER OF FARMS	191
PRODUCTION	
Lactation period (days)	328,76
Average production (L/cow/d)	35,65
Lifetime production (L total)	19433,52
MILK QUALITY	
% Fat	3,88
% protein	3,33
SCC (x1000/ml)	274,98
% cows over 250.000 SCC	20,20
% clinical mastitis incidence	2,50
FERTILITY	
Days to First Heat	80,96
Days to First Conception	90,45
Semen (doses/pregnancy)	2,28
Insemination rate (%)	52,53
Conception rate (%)	37,44
Pregnancy rate (%)	17,15
Age at first calving (months)	25,71
Average calving interval (days)	438,81
HEALTH	
% stillborn	3,06
% dead calves until 14 days of life	0,96

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NUMBER OF FARMS	48
PRODUCTION	
Lactation period (days)	327,55
Average production (L/cow/d)	33,08
Lifetime production (L total)	31617,10
MILK QUALITY	
% Fat	4,25
% protein	3,25
SCC (x1000/ml)	191,25
% cows over 250.000 SCC	16,07
% clinical mastitis incidence	1,40
FERTILITY	
Days to First Heat	81,97
Days to First Conception	90,48
Semen (doses/pregnancy)	2,05
Insemination rate (%)	47,38
Conception rate (%)	45,97
Pregnancy rate (%)	17,82
Age at first calving (months)	27,44
Average calving interval (days)	430,33
HEALTH	
% stillborn	2,65
% dead calves until 14 days of life	0,61

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NUMBER OF FARMS	330
PRODUCTION	
Lactation period (days)	328,67
Average production (L/cow/d)	27,37
Lifetime production (L total)	19186,37
MILK QUALITY	
% Fat	4,14
% protein	3,30
SCC (x1000/ml)	238,95
% cows over 250.000 SCC	17,88
% clinical mastitis incidence	2,24
FERTILITY	
Days to First Heat	78,59
Days to First Conception	85,03
Semen (doses/pregnancy)	1,92
Insemination rate (%)	36,76
Conception rate (%)	42,67
Pregnancy rate (%)	12,88
Age at first calving (months)	29,50
Average calving interval (days)	487,94
HEALTH	
% stillborn	5,61
% dead calves until 14 days of life	2,85

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NUMBER OF FARMS	1528
PRODUCTION	
Lactation period (days)	353,59
Average production (L/cow/d)	29,40
Lifetime production (L total)	35288,61
MILK QUALITY	
% Fat	4,45
% protein	3,58
SCC (x1000/ml)	210,68
% cows over 250.000 SCC	16,09
% clinical mastitis incidence	1,87
FERTILITY	
Days to First Heat	77,68
Days to First Conception	92,22
Semen (doses/pregnancy)	1,99
Insemination rate (%)	43,04
Conception rate (%)	44,08
Pregnancy rate (%)	16,77
Age at first calving (months)	25,42
Average calving interval (days)	416,96
HEALTH	
% stillborn	4,72
% dead calves until 14 days of life	2,16

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NUMBER OF FARMS	13
PRODUCTION	
Lactation period (days)	298,81
Average production (L/cow/d)	31,47
Lifetime production (L total)	14461,20
MILK QUALITY	
% Fat	4,15
% protein	3,18
SCC (x1000/ml)	429,00
% cows over 250.000 SCC	10,00
% clinical mastitis incidence	1,33
FERTILITY	
Days to First Heat	56,92
Days to First Conception	69,92
Semen (doses/pregnancy)	2,44
Insemination rate (%)	62,42
Conception rate (%)	35,55
Pregnancy rate (%)	20,20
Age at first calving (months)	24,46
Average calving interval (days)	414,15
HEALTH	
% stillborn	2,92
% dead calves until 14 days of life	2,38

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NUMBER OF FARMS	1506
PRODUCTION	
Lactation period (days)	313,79
Average production (L/cow/d)	29,57
Lifetime production (L total)	24932,31
MILK QUALITY	
% Fat	4,35
% protein	3,40
SCC (x1000/ml)	183,81
% cows over 250.000 SCC	13,51
% clinical mastitis incidence	1,27
FERTILITY	
Days to First Heat	65,87
Days to First Conception	75,07
Semen (doses/pregnancy)	1,95
Insemination rate (%)	52,51
Conception rate (%)	44,50
Pregnancy rate (%)	20,62
Age at first calving (months)	26,89
Average calving interval (days)	394,31
HEALTH	
% stillborn	3,95
% dead calves until 14 days of life	0,81

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* Average of indicators from dsm-firmenich clients – 1,146 farms, 9 states, and 25 technicians ** Average of the top 30% most profitable farms based on Profit Margin (%)
 *** Average of the top 30% for those indicators – Data from Jul/24 to Jun/25 – Dh = man-day – RB = gross income from the activity – COE = effective operating cost



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PRODUCTIVE EFFICIENCY IN THE WORLD

NUMBER OF FARMS	10
PRODUCTION	
Lactation period (days)	365,37
Average production (L/cow/d)	25,28
Lifetime production (L total)	11666,44
MILK QUALITY	
% Fat	4,20
% protein	3,23
SCC (x1000/ml)	-
% cows over 250.000 SCC	-
% clinical mastitis incidence	2,66
FERTILITY	
Days to First Heat	85,87
Days to First Conception	91,00
Semen (doses/pregnancy)	2,04
Insemination rate (%)	42,92
Conception rate (%)	43,05
Pregnancy rate (%)	14,67
Age at first calving (months)	24,02
Average calving interval (days)	415,10
HEALTH	
% stillborn	1,18
% dead calves until 14 days of life	0,18

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PRODUCTIVE EFFICIENCY IN THE WORLD

	BEL	BRA	CAN	DEN	SPA	USA	FRA	NET	MEX	UK	UKR	OP
NUMBER OF FARMS	435	1146	386	384	191	48	330	1528	13	1506	10	5719
PRODUCTION												
Lactation period (days)	341,32	335,36	324,58	346,71	328,76	327,55	328,67	353,59	298,81	313,79	365,37	335,85
Average production (L/cow/d)	31,10	29,91	34,51	30,42	35,65	33,08	27,37	29,40	31,47	29,57	25,28	30,12
Lifetime production (L total)	25476,32	14071,28	23065,46	26365,70	19433,52	31617,10	19186,37	35288,61	14461,20	24932,31	11666,44	26786,23
MILK QUALITY												
% Fat	4,22	3,89	4,27	4,09	3,88	4,25	4,14	4,45	4,15	4,35	4,20	4,31
% protein	3,43	3,36	3,37	3,46	3,33	3,25	3,30	3,58	3,18	3,40	3,23	3,46
SCC (x1000/ml)	208,40	351,00	735,69	261,71	274,98	191,25	238,95	210,68	429,00	183,81	-	243,97
% cows over 250.000 SCC	16,76	26,14	15,24	17,28	20,20	16,07	17,88	16,09	10,00	13,51	-	16,11
% clinical mastitis incidence	6,44	2,48	1,63	2,26	2,50	1,40	2,24	1,87	1,33	1,27	2,66	2,26
FERTILITY												
Days to First Heat	74,26	67,76	70,63	80,73	80,96	81,97	78,59	77,68	56,92	65,87	85,87	73,78
Days to First Conception	83,20	70,70	76,78	94,25	90,45	90,48	85,03	92,22	69,92	75,07	91,00	84,01
Semen (doses/pregnancy)	2,10	2,23	2,15	2,03	2,28	2,05	1,92	1,99	2,44	1,95	2,04	2,02
Insemination rate (%)	47,91	48,77	56,57	42,00	52,53	47,38	36,76	43,04	62,42	52,51	42,92	47,43
Conception rate (%)	39,84	37,13	41,24	44,79	37,44	45,97	42,67	44,08	35,55	44,50	43,05	43,09
Pregnancy rate (%)	16,42	15,25	20,35	16,25	17,15	17,82	12,88	16,77	20,20	20,62	14,67	17,79
Age at first calving (months)	25,57	30,45	25,59	27,43	25,71	27,44	29,50	25,42	24,46	26,89	24,02	26,51
Average calving interval (days)	413,53	474,45	402,44	438,29	438,81	430,33	487,94	416,96	414,15	394,31	415,10	422,64
HEALTH												
% stillborn	4,97	3,02	5,31	4,61	3,06	2,65	5,61	4,72	2,92	3,95	1,18	4,17
% dead calves until 14 days of life	1,66	2,36	1,16	1,37	0,96	0,61	2,85	2,16	2,38	0,81	0,18	1,56

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