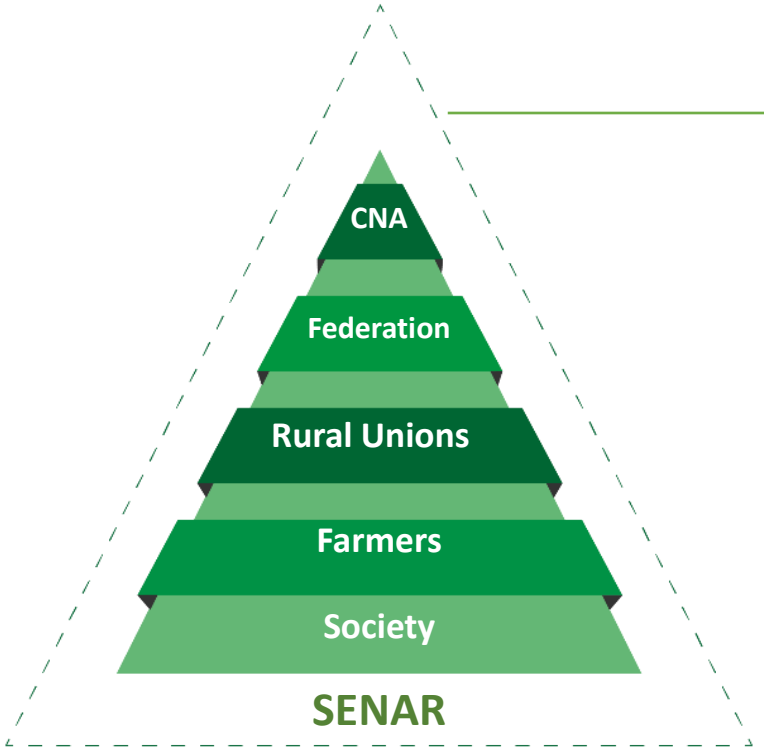
FAMASUL

Federation of Agriculture and Livestock
Mato Grosso do Sul

RURAL UNION SYSTEM



MISSION

To promote the sustainable development of agribusiness, representing the interests of Mato Grosso do Sul farmers and strengthening the institutional relationships.

Rural Professional Formation (FPR) – 252 courses

Formal Education - Centre of Excellence in Beef Cattle

E-tec Net – Agribusiness Technician

Technical and Management Assistance – 8.000 properities

Social Promotion (PS) – 30 courses

Technical/Political representation – 150 councils

Research Support – 5 units

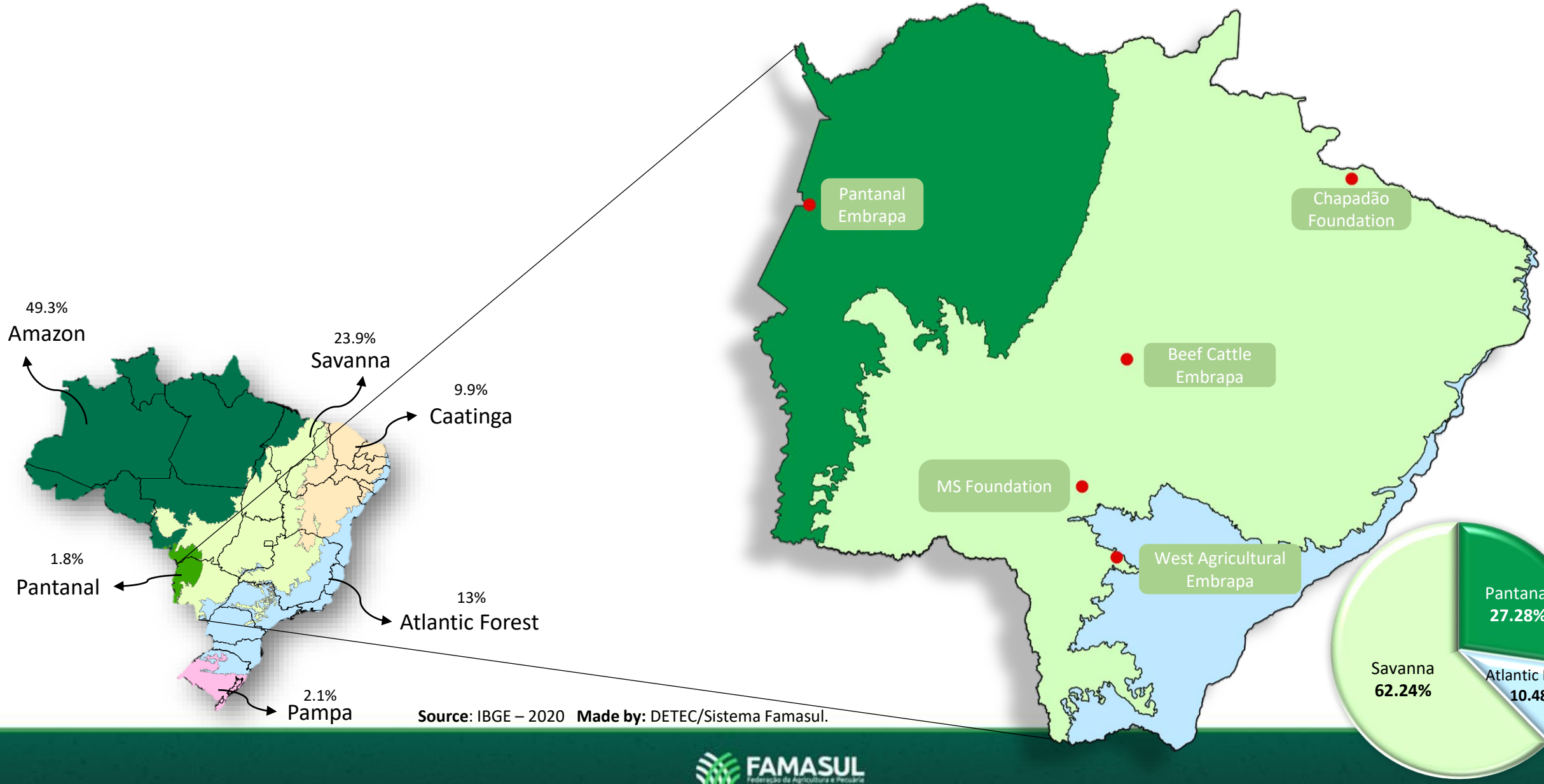
69
Rural Unions

19,058
Farmers

40,799
Rural Properities

MATO GROSSO DO SUL AGRICULTURAL: OVERVIEW

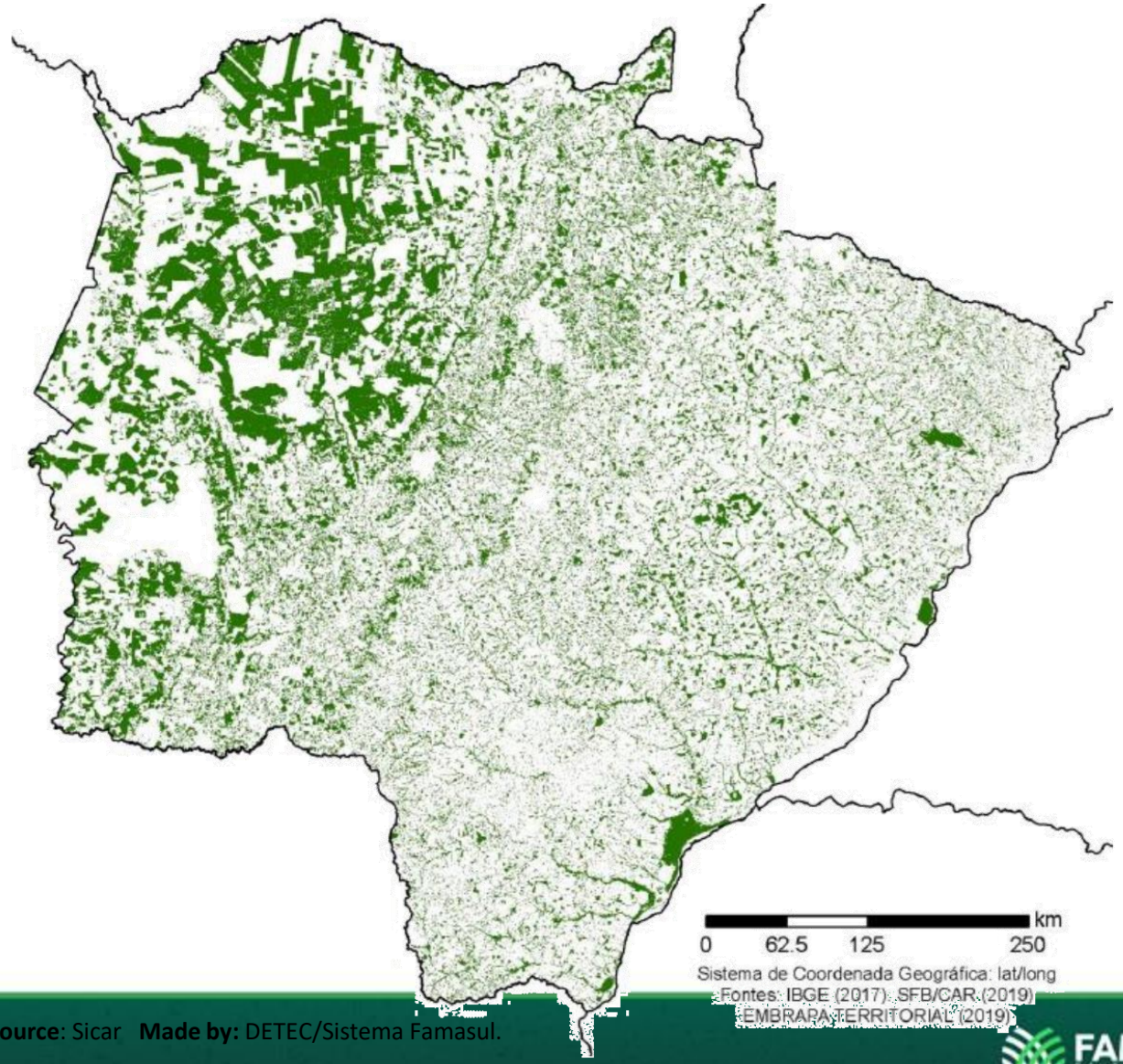
BIOMES



Source: IBGE – 2020 **Made by:** DETEC/Sistema Famasul.

PRESERVATION

Areas dedicated to the preservation of native vegetation inside the farms:



Source: Sicar **Made by:** DETEC/Sistema Famasul.

Law known as “forest code”:

<u>Protection of native areas on properties:</u>

- Legal reserve: 20% of the property;

+

- Permanent Preservation Area (APP) - forests around water resources, springs, hilltops, etc.;

Great opportunity to trade carbon credits through carbon sequestration in these areas. There is still a lack of regulation.

*this map excludes areas of public forest reserves, for example: indigenous lands, parks, national forests, among others.

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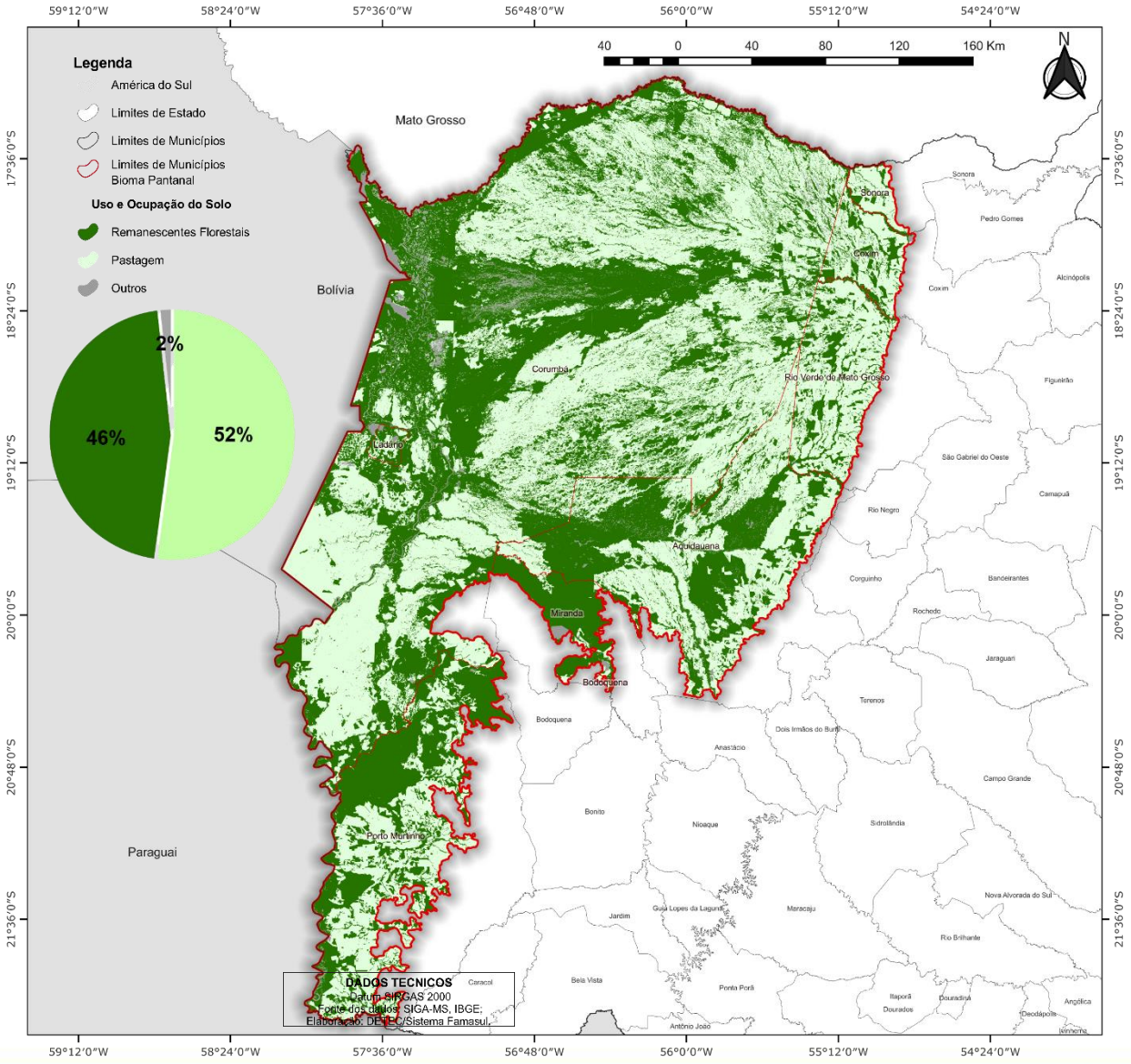
PRESERVATION



87.5% of the biome is preserved

97% of the area is constituted by private properties

Source: SICAR; IBGE

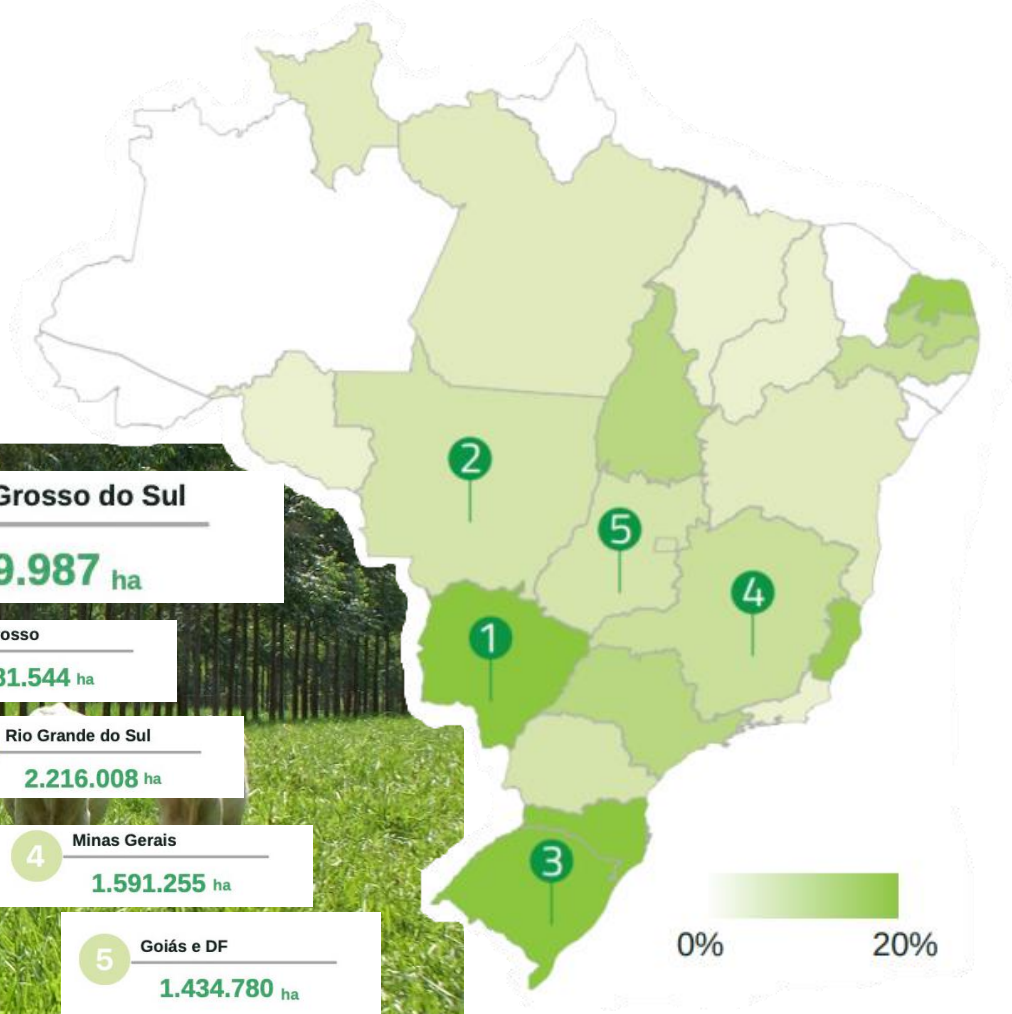
Mato Grosso do Sul has the largest area of

INTEGRATED SYSTEMS

in Brazil

ILP/ILPF/ILF

Agriculture – Livestock – Forest



1 Mato do Grosso do Sul
3.169.987 ha

2 Mato Grosso
2.281.544 ha

3 Rio Grande do Sul
2.216.008 ha

4 Minas Gerais
1.591.255 ha

5 Goiás e DF
1.434.780 ha

*Área total do Brasil: 851.577.000 ha

Source: Rede ILPF, 2020; 2021.

ESTATE POLICIES

MAKE MATO GROSSO DO SUL A CARBON NEUTRAL STATE BY 2030

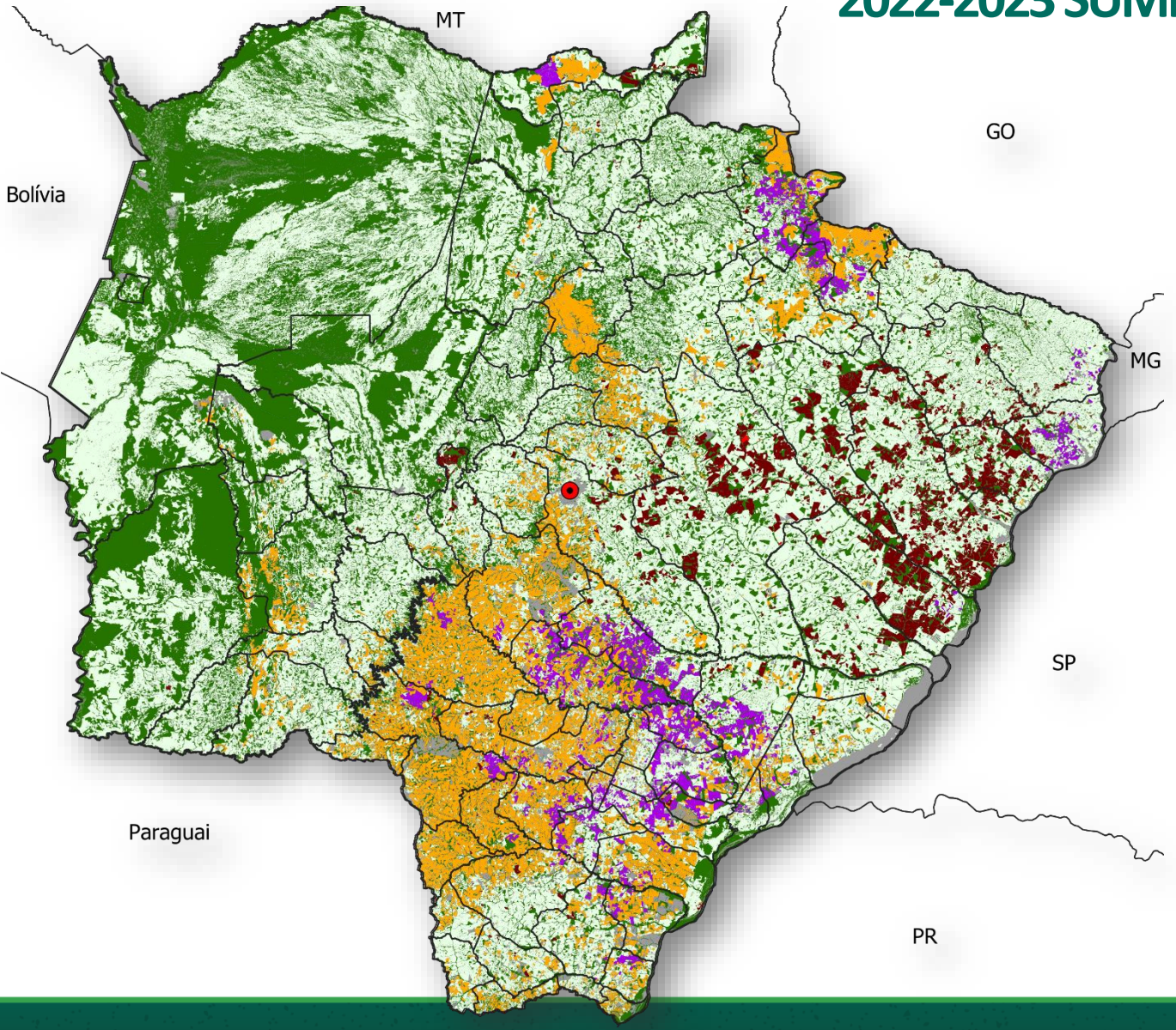
Commitment presented and assumed in November 2021 at COP 26 by SEMAGRO's secretary Jaime Verruck.

- TERRABOA
- Carne Sustentável e Orgânica do Pantanal – MS
- Programa Estadual Florestas
- Programa Estadual Irrigação
- Programa REDD+
- Programa MS + Sustentável
- carne baixo carbono
- Leitão Vida
- Programa Agricultura de Baixo Carbono (ABC)
- PRECOCE MS
- PEIXE VIDA
- FOGO ZERO
- Regulariza Mato Grosso do Sul
- MS Renovável
- Programa Produtor de Água
- carne carbono neutro
- ILUMINA PANTANAL
- Programa Estadual de Incentivo ao Controle Biológico (PECONBIOL)

Fonte: SEMAGRO

MATO GROSSO DO SUL LAND USE AND OCCUPATION

2022-2023 SUMMER CROP



Legend	Culture	Area	Participation
	Soybean	4,005,399	11.2%
	Corn	19,994	0.10%
	Sugarcane	832,348	2.3%
	Eucalyptus	1,280,674	3.60%
	Pinus	5,824	0.00%
	Rubber Tree	19,415	0.10%
	Pasture	17,602,398	49.30%
	Remaining forests	10,825,185	30.30%
	Others	1,123,240	3.10%
	Total	**35,714,477**	**100%**

Campo Grande

Achievement:

SIGA MS

APROSOJA
SISTEMA FAMASUL | MATO GROSSO DO SUL

FAMASUL
SENAR
SINDICATOS
FUNAR
APROSOJA

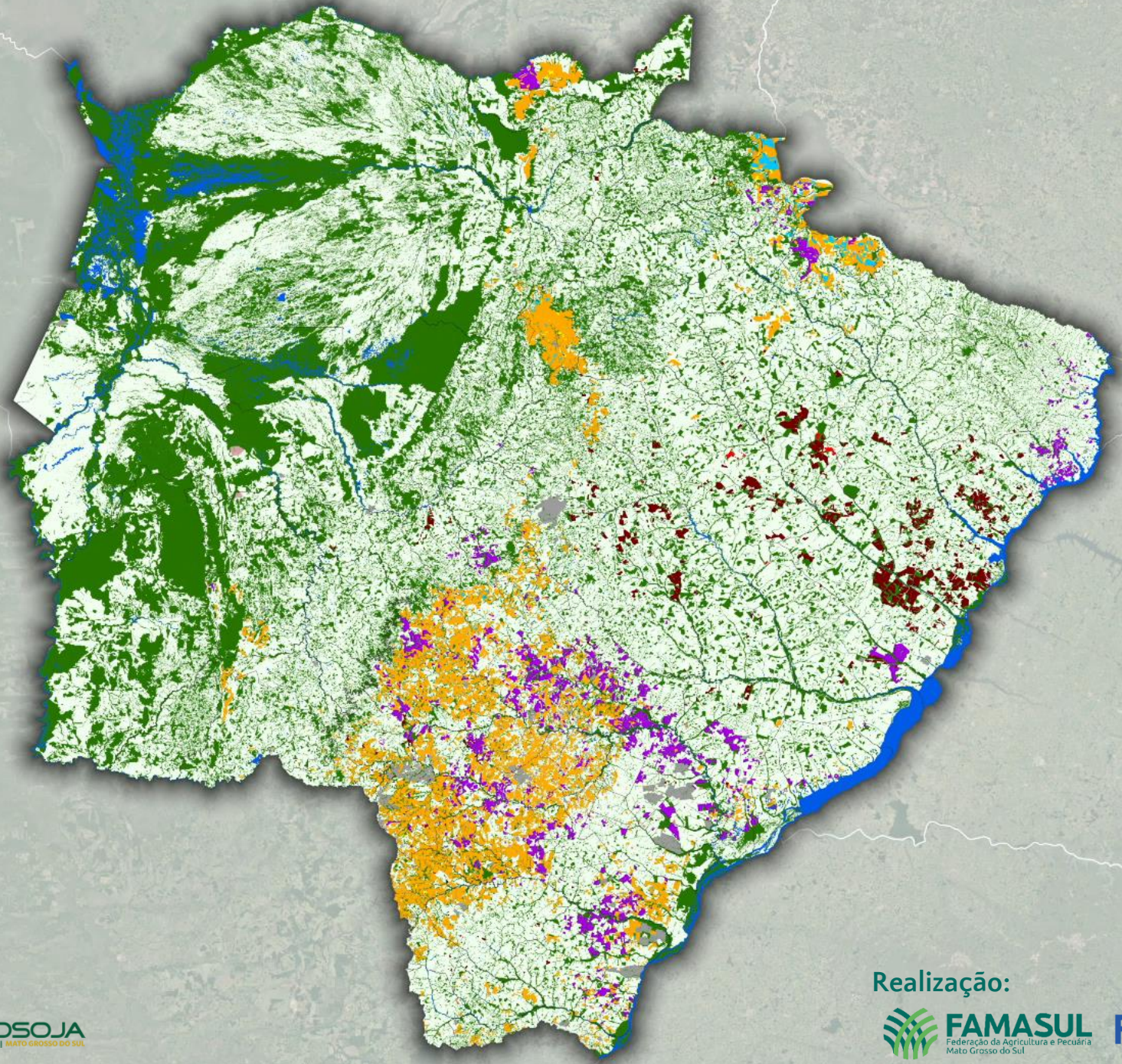
FUNDEMS

SEMADESC
Secretaria de Estado de Meio Ambiente, esenvolvimento, Ciência, Tecnologia e Inovação

GOVERNO DE Mato Grosso do Sul

FAMASUL
Federation of Agriculture and Livestock
Mato Grosso do Sul

1ª SAFRA 2011-12



Realização:

SIGAMS

PRODUTIVIDADE

APROSOJA
SISTEMA FAMASUL | MATO GROSSO DO SUL

Realização:

FAMASUL
Federação da Agricultura e Pecuária Mato Grosso do Sul

FUNDEMS

SEMADESC
Secretaria de Estado de Meio Ambiente, Desenvolvimento, Ciência, Tecnologia e Inovação

GOVERNO DE Mato Grosso do Sul

AGRICULTURAL AND PLANTED FORESTS AREA EXPANSION

	2010	2023	
Pasture	21,819,309	17,602,398	4,216,911 ▼
Remaining Forests	10,580,850	10,825,185	244,335 ▲
Grains	1,813,375	4,025,393	2,212,018 ▲
Planted Forests	341,350	1,305,913	964,563 ▲
Sugarcane	592,950	832,348	239,398 ▲
Other cultures	566,577	1,123,240	556,663 ▲
MS Total Area	35,714,411	35,714,411	

Data in hectares | ***Source:*** *SIGA-MS, 2023.*

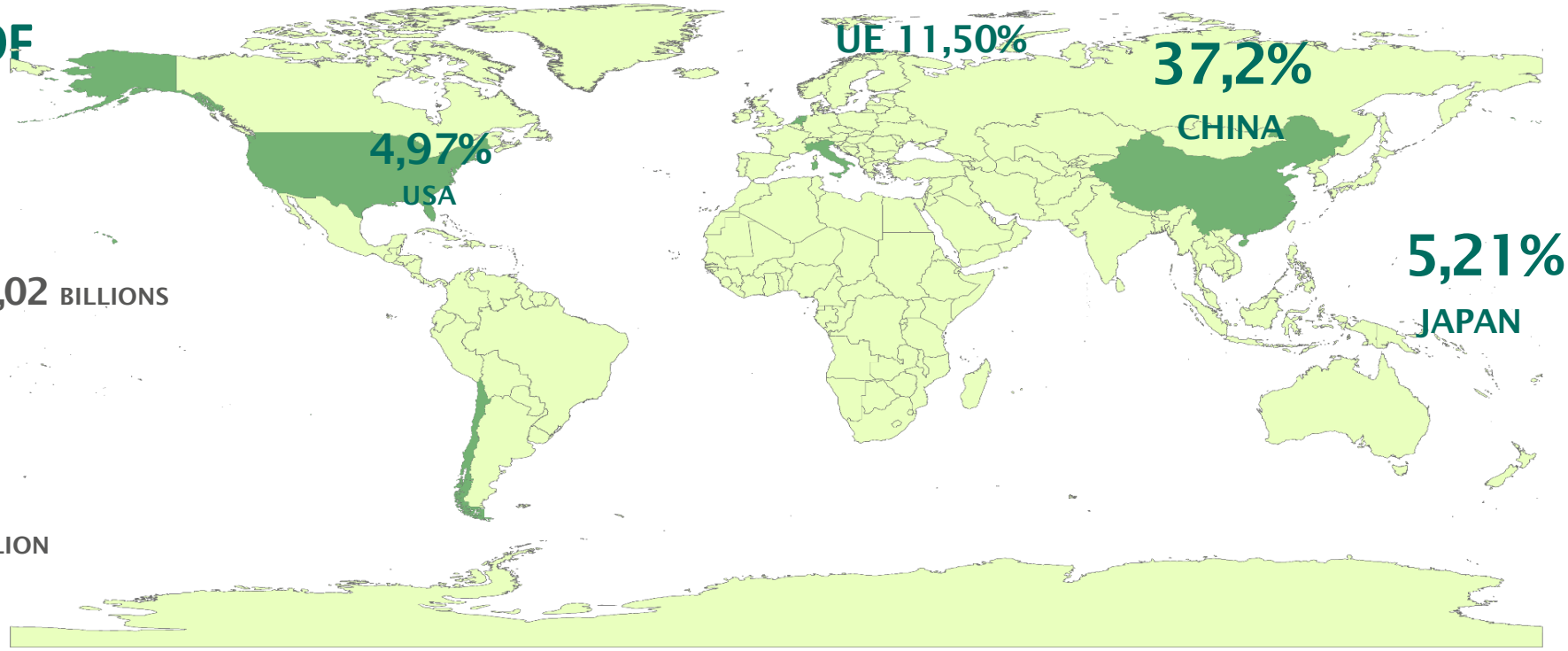
MATO GROSSO DO SUL IN THE NATIONAL RANKING

	PRODUCTION	EXPORT
CATTLE MEAT	3rd	5th
SOY BEANS	5th	8th
CORN	4th	2th
FORESTS PRODUCTS	2nd	1st
SUGAR CANE	4th	5th
PORK MEAT	7th	5th
CHICKEN MEAT	8th	6th

(*) To account for Exports, Forest Products are composed of Natural Rubbers and Gums, Cellulose, Wood and Paper; In production, the ranking and participation was established considering the Planted Forest – Eucalyptus area.

Source: IBGE; MDIC; MAPA; CONAB, 2023.
Made by: DETEC/Sistema Famasul.

10 MAIN DESTINATIONS OF AGRIBUSINESS IN MS



SOY COMPLEX

2022 — U$ 3,02 BILLIONS

FOREST PRODUCTS

2022 — U$ 1,57 BILLION

MEATS

2022 — U$ 1,57 BILLION

CEREALS, FLOURS AND PREPARATIONS

2022 — U$ 969 MILLIONS

Other destinations in the ranking:

IRÃ, ARGENTINA, INDIA, CORÉIA DO SUL, ITÁLIA, CHILE

Fonte: MDIC, 2023; MAPA, 2023. **Elaboração:** DETEC/Sistema Famasul.

BIOCEAN ROUTE

It is a 2,250 km road axis, which connects Campo Grande to the ports of northern Chile, bringing several competitive advantages to the state, including:

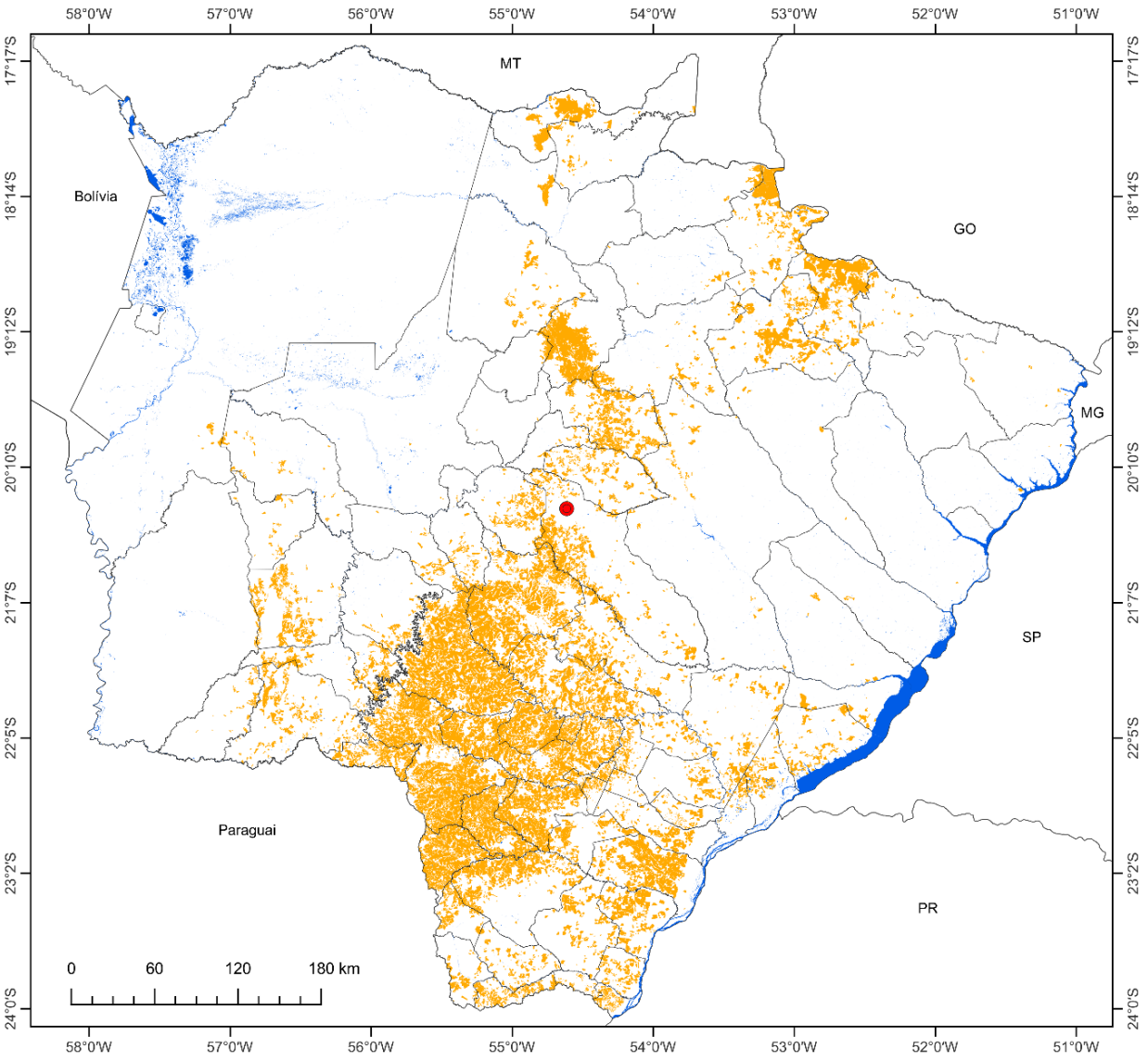
- Flow of various products;
- Receipt of fertilizers;
- Tourist, educational and cultural exchange;

The Route shortens approximately 14 days of travel compared to traditional routes via the Panama Canal or Strait of Magellan.

It will be made possible after the completion of the bridge between Porto Murtinho and Carmelo Peralta – Forecast: November 2024.

MATO GROSSO DO SUL AGRICULTURE PRODUCTION

MS SOY BEANS AREAS 2022/23 HARVEST



Soy beans

4,005,399 ha

Campo Grande

A growth of 7%.

Achievement:

Source: SIGA MS. **Made by:** DETEC/Famasul System.

SOY BEANS MS – 2022/2023

FAMASUL SENAR
AGRICULTURE

Planted Area:
3,748 million ha
2021/22 harvest

20/21 Harvest
Area 3,776 million ha
Production 12,1 million t.

Productivity
38.65 sc/ha
Prod. 8,69 million t.

2022/23 Harvest
Area 4,005 million ha
Prod.: 15.005 million t.*

Export
soy complex
4.9 million t.

Soybeans in grain
3.5 million t. - **72%**

20 countries
China: **78.35%**
Argentina: **7.60%**
South Korea: **3.63%**
Vietnan: **2.42%**

Soybean meal
1,17 Milions t. – **24%**

27 countries
Netherlands: **22.60%**
Indonesia: **19.17%**
Thailand: **12,8%**
Japão: **9,4%**
Others: **36%**

Soybean oil **199** thousand t. – **4%**

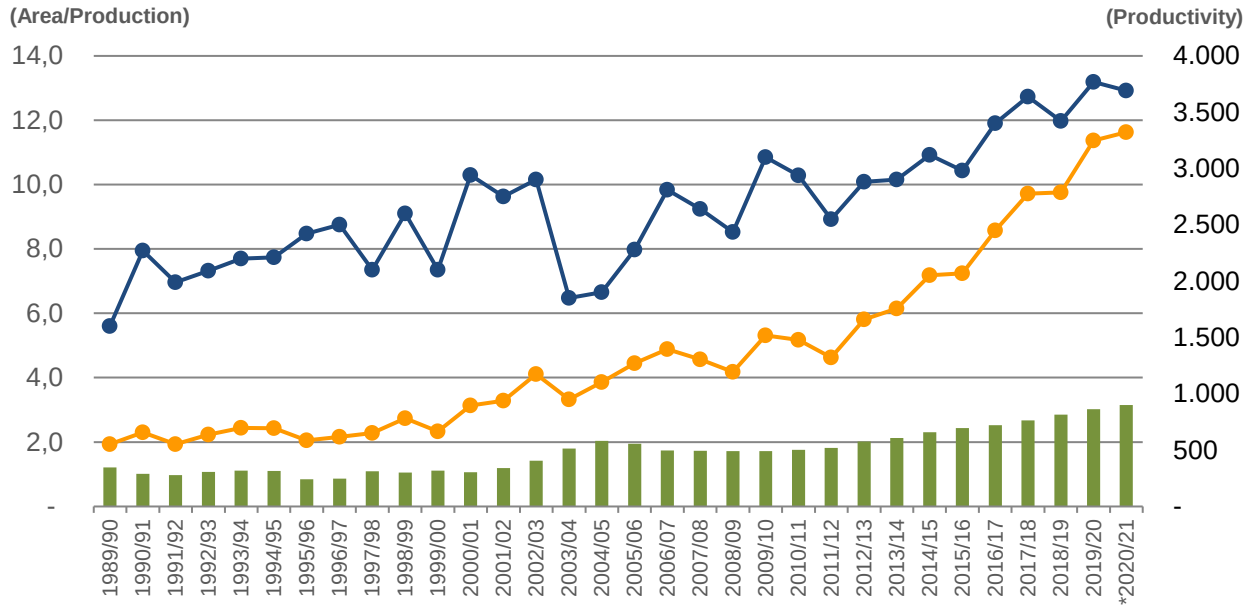
11 countries
India: **70.6%**
Iran: **11.9%**
Bangladesh: **8.2%**
China: **6.4%**

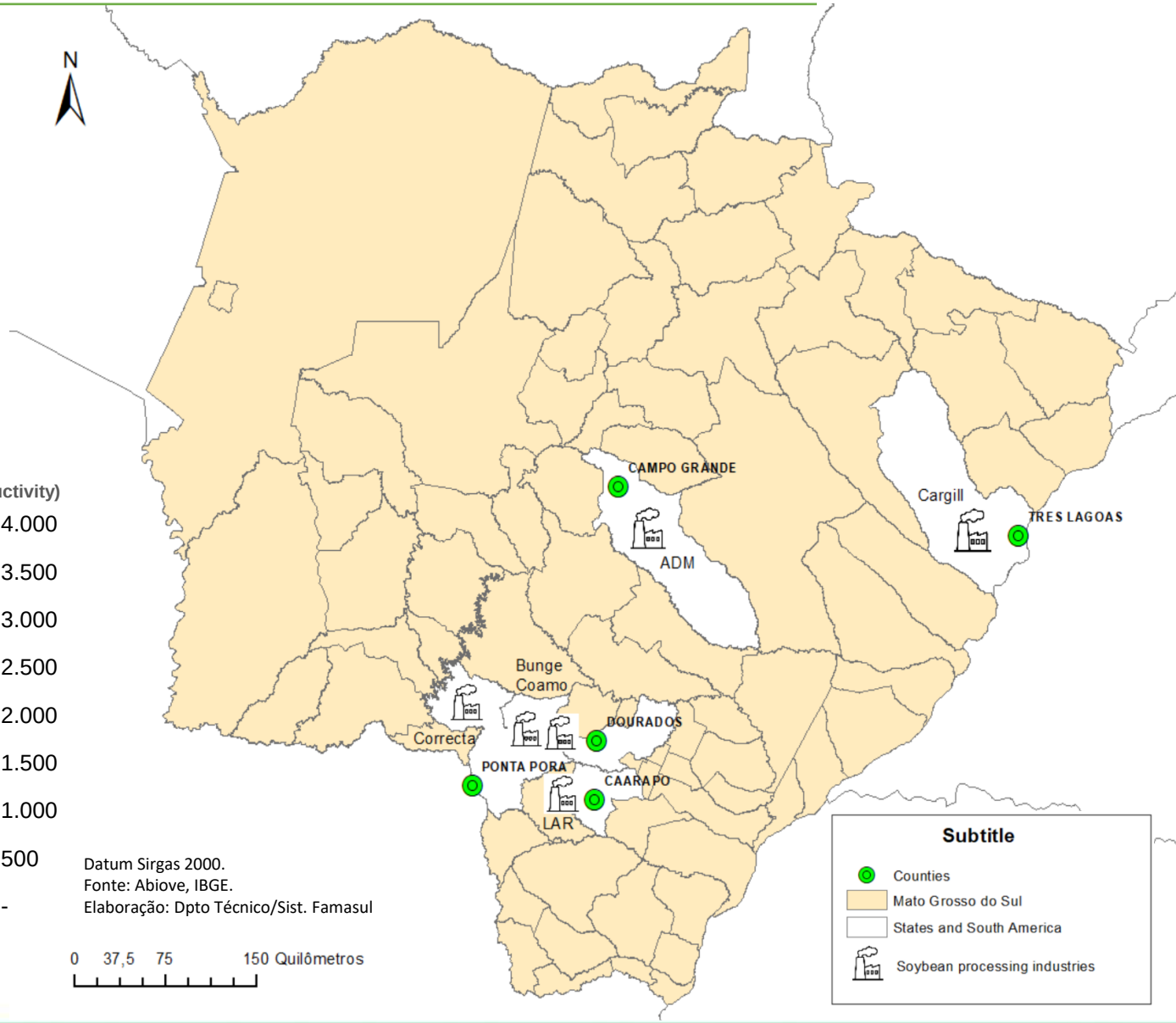
Source: SIGA/MS, SECEX, 2023. **Made by:** DETEC/Sistema Famasul.

SOYBEAN PROCESSING INDUSTRIES

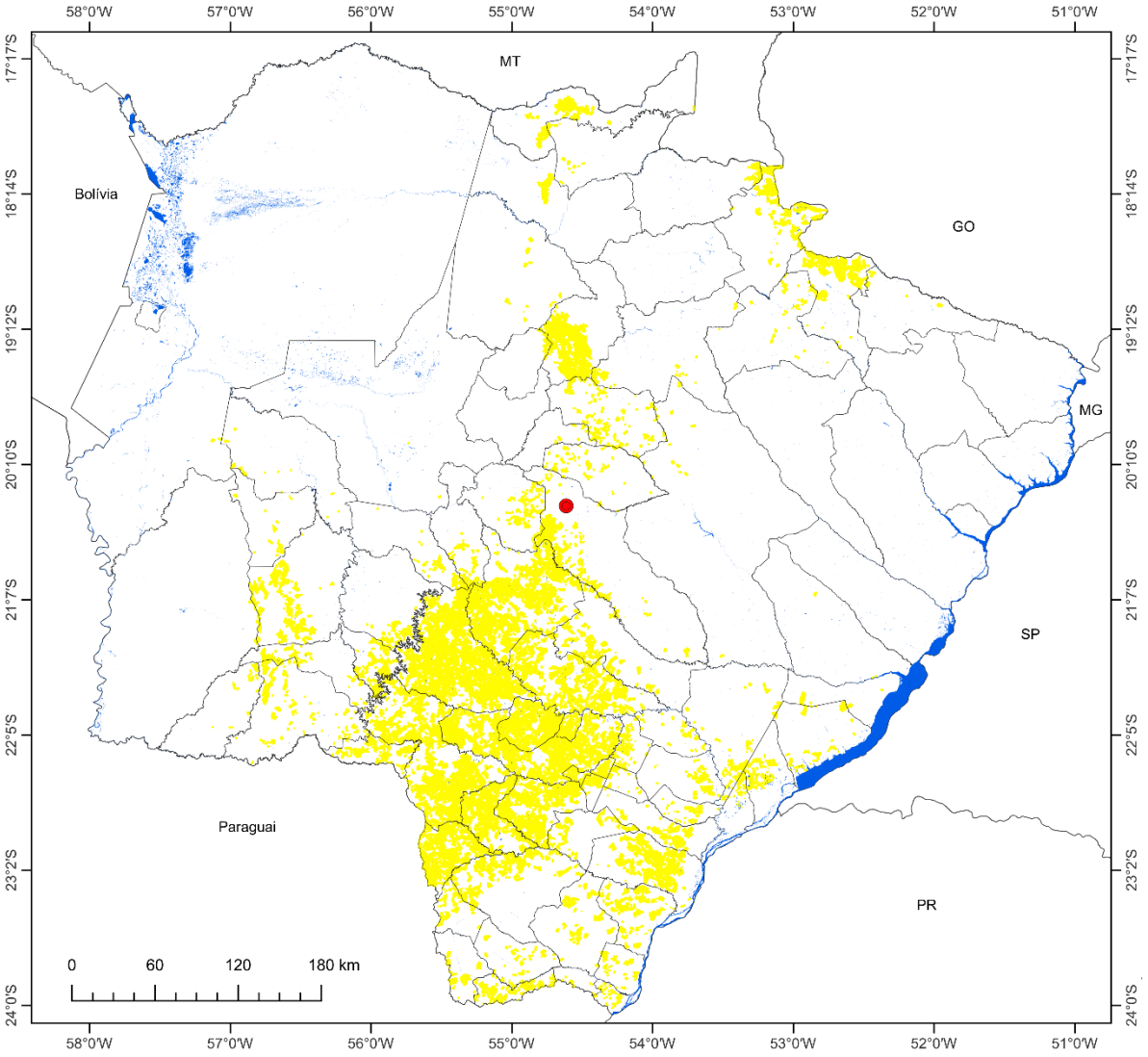
Harvests 1992/93 to 2022/23:

- **252.6% Area**
- **504.8% Production**
- **71.5% Productivity**





MS CORN AREAS DISTRIBUTION - WINTER CROP HARVEST 2021/2022



SIGA MS

Corn

2,205,730 ha

Campo Grande

Source: SIGA MS. **Made by:** DETEC/Famasul System.

CORN MS - 2022

Planted Area:
2,206 million ha
2021/22 CROP

20/21 Harvest
Area **2,280 million ha**
Production **6,52 million t.**

Productivity **96,53** sc/ha
Production
12,775 ton.

2022/23* Crop Estimate
Area **2,3 million ha**
Production **11,206 million** t

Export
25,98%

Corn
3,3 million ton.
$957.7 million

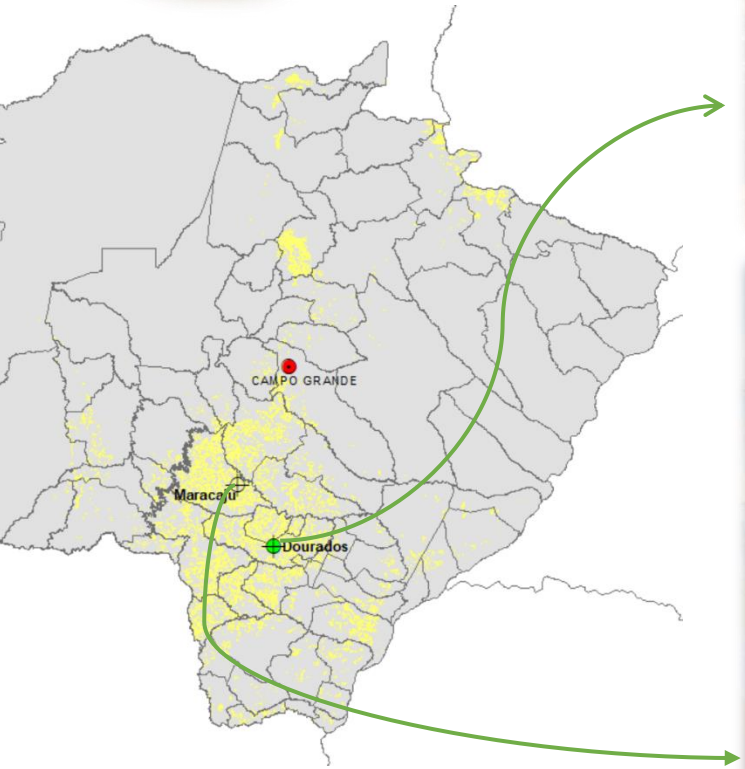
13 Countries

Japan: **29,87%**
Iran: **26,34%**
South Corea: **7,40%**

Source: SIGA/MS; MAPA, 2023. **Made by:** DETEC/Sistema Famasul. *Forecast

CORN ETHANOL IN MATO GROSSO DO SUL

2nd LARGEST PRODUCER IN THE COUNTRY



Inpasa – Dourados

(in operation)

- Consumption: 1.8 million tons of corn/year;
- Production capacity:
  - 900 million liters of ethanol/year;
  - 460 million tons DDGS;
  - 44 thousand tons of corn oil;
  - 440 thousand MW of electricity/year.

Neomille S/A – Maracaju

(under construction)

- Consumption: 1.2 million tons of corn/year;
- Production capacity:
  - 537 million liters of ethanol/year;
  - 1,086 ton DDGS and corn oil/day;
  - 44 MW of electricity/day.

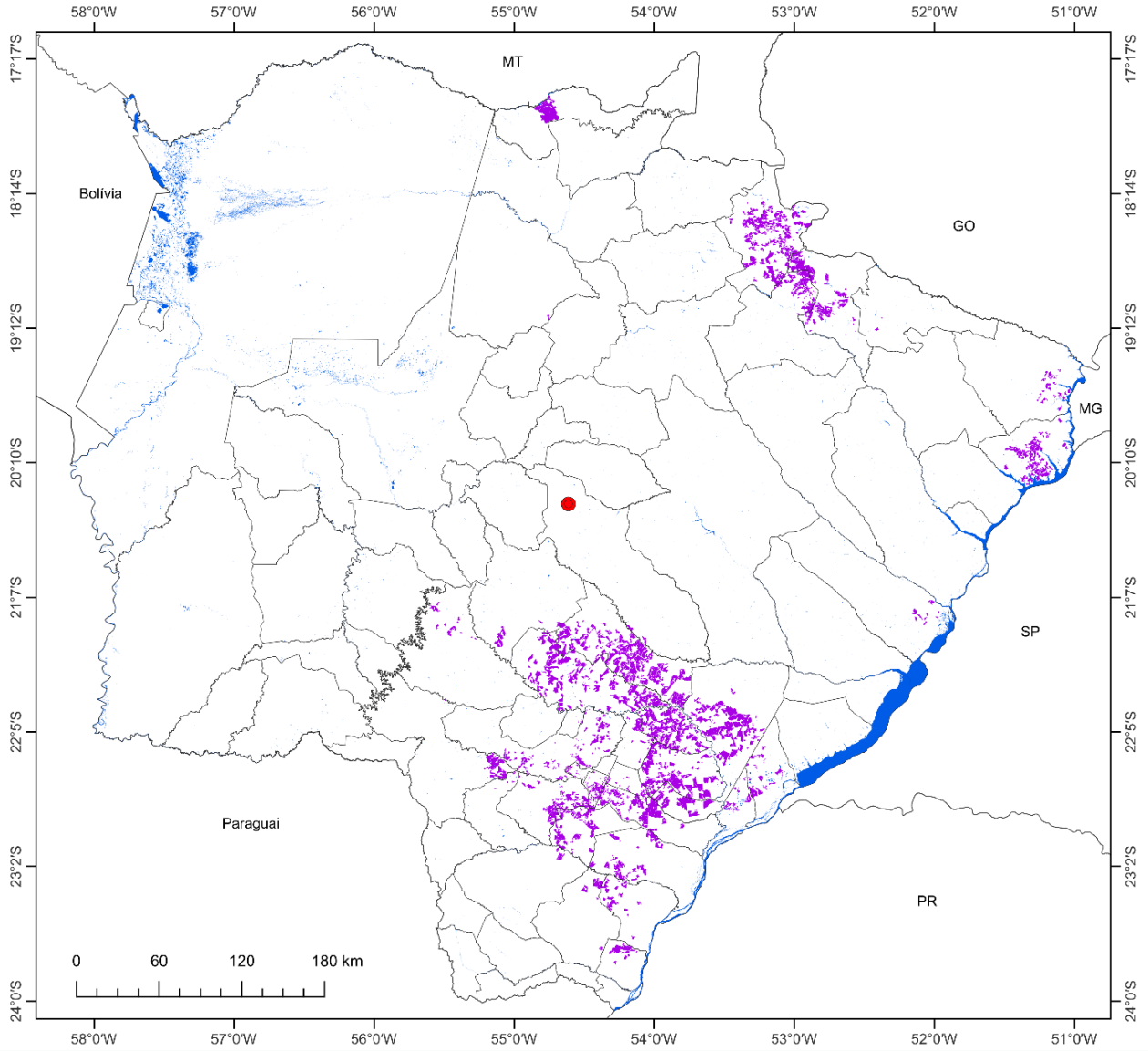
SUGARCANE AREAS 2022/23 HARVEST

SIGA MS

Campo Grande

Sugar cane

832,348 ha



Source: SIGA MS. **Made by:** DETEC/Famasul System.

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Mato Grosso do Sul

SUGAR ENERGY COMPLEX
MS – 2022/2023

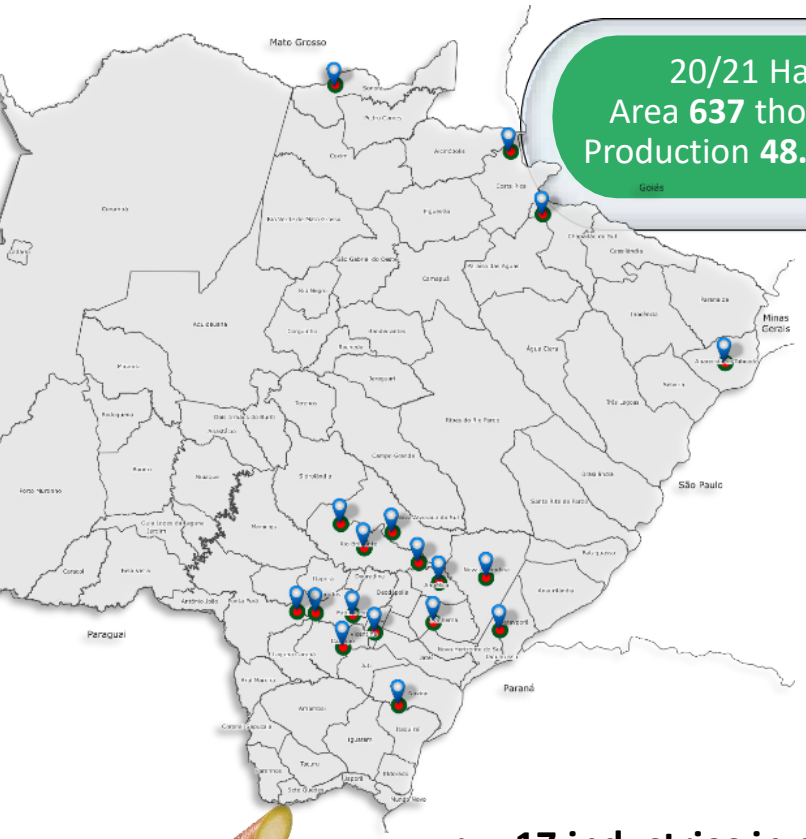
FAMASUL SENAR
AGRICULTURE

Planted Area: 648,2 thousand ha
Production: **41,34** million t.
2020/21 CROP
77,47% increase in production

20/21 Harvest
Area **637** thousand ha
Production **48.9** million t.

Average Productivity
63,7 ton/ha
2022 harvest

Crop 2022/2023
832 thousand ha



Export
5th place in the national ranking

Sugar-Energy Complex
1.16 million t.
$477 million in revenue

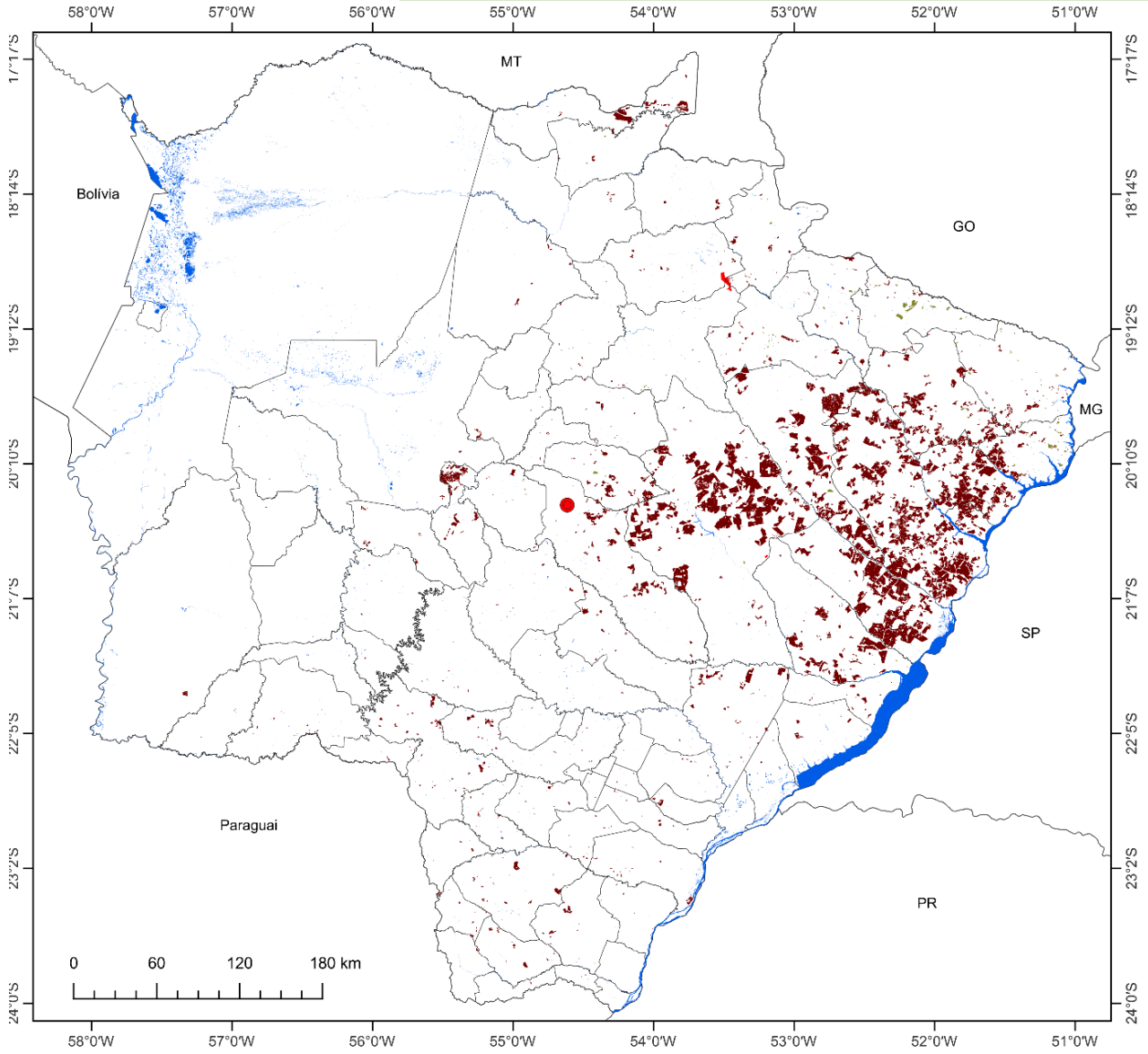
23 countries

Rep. of Georgia: **12.3%**
Canada: **10.6%**
Algeria: **10.4%**
Netherlands: **8,01%**
Others: **58.53%**

- **17 industries in operation**
- **2 industries in project**

Source: Conab; SIGA/MS. MAPA, 2023. **Made by:** DETEC/Sistema Famasul.

SILVICULTURE AREAS DISTRIBUTION 2022/23



SIGA MS

- ✓ Eucalyptus
- ✓ Pinus
- ✓ Rubber tree

Silviculture

1,305,913 ha

Cellulose

2th biggest productor of Brazil

- 2 industries in operation
- 2 industries in project

Source: SIGA MS **Made by:** DETEC/Famasul System.

FOREST PRODUCTS MS 2021/22

FAMASUL SENAR
AGRICULTURE

Planted Area:
1,305,913 million ha
HARVEST 2022/23

Pinus
5,824 ha

Eucalyptus
1,280,674 ha

Rubber tree
19,415 ha

Export
Forest Products - 2022
4.49 millions t.
$1.5 billion in revenue

Cellulose 4.1 millions t
99.16%

36 countries
China: **53.3%**
Italy: **9.7%**
Netherlands: **8.8%**
United States: **8.4%**
Others: **19.7%**

Paper 8.4 thousand t.
0,55%

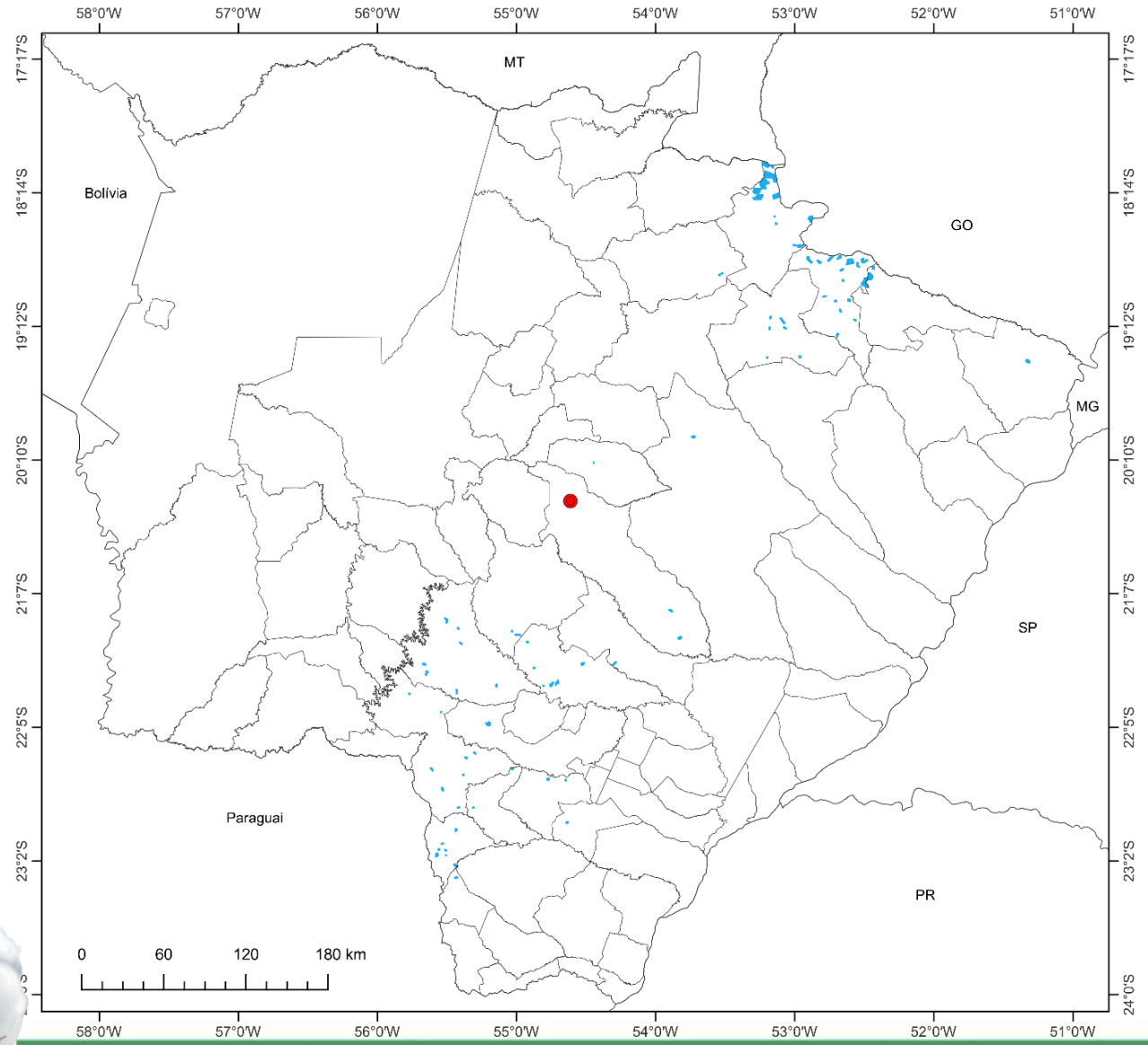
20 countries
Peru: **22.11%**
France: **19.58%**
Bolivia: **17.98%**
Italy: **7.82%**
Others: **32.52%**

Wood 26.8 thousand t.
0,29%

18 countries
United States: **47.1%**
Portugal: **24%**
Australia: **19%**
South Korea: **3.8%**
Others: **6.1%**

Source: SIGA/MS, MAPA, 2023. **Made by:** DETEC/Sistema Famasul.

MS COTTON AREAS DISTRIBUTION - WINTER CROP HARVEST 2021/2022



SIGA MS

Cotton

29,639 ha

Campo Grande

Source: SIGA MS, Ampasul 2023; IBGE, 2023. **Made by:** DETEC/Famasul System.

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Cotton MS 2022/23

FAMASUL SENAR
AGRICULTURE

Planted Area:
29,639 ha
HARVEST 2022/23

2021/2022
25,642 ha

Production
135,050 Tons

Average Productivity
4,556 kg/ha

Export
Cotton - 2022
13,858,567 tons
$26 million in revenue

12 countries

Paquistan: **21%**
Vietnã: **17%**
Bangladesh: **18%**
China: **17%**
Turquia:**11%**
Others: **16%**

Source: Ampasul 2023; IBGE, 2023; MAPA, 2023. **Made by:** DETEC/Sistema Famasul.

FAMASUL
Federação da Agricultura e Pecuária Mato Grosso do Sul

CASSAVA AREAS 2022/23 HARVEST

CASSAVA

51,124 ha

Subtitle

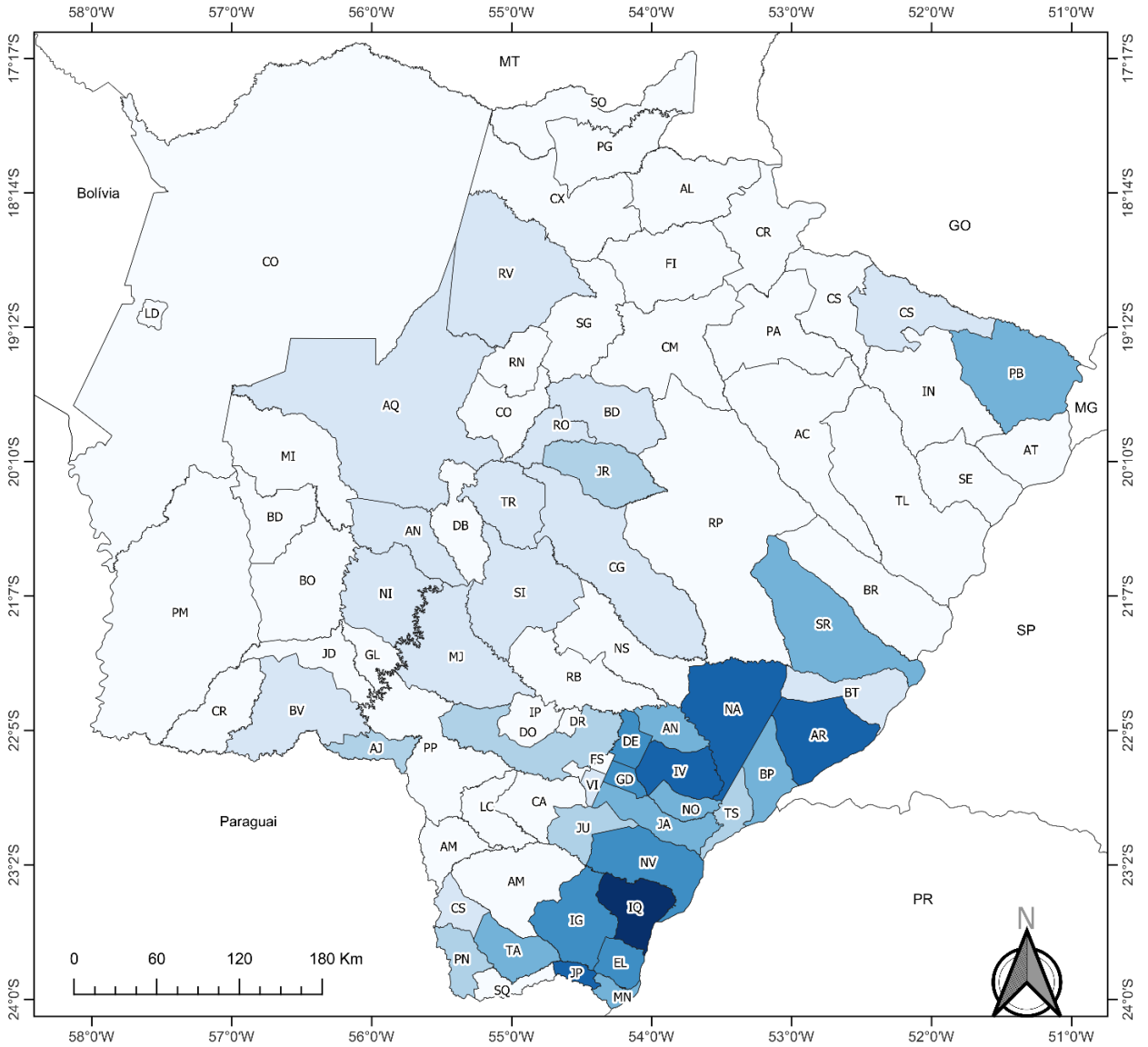
Municipalities, States and Countries

Planted Area (hectare)

- 1 - 120
- 121 - 352
- 353 - 680
- 681 - 1.330
- 1.331 - 2100
- 2.101 - 3.150
- 3.151 - 5.500

TECHNICAL INFORMATION

Data: PAM-IBGE (2022);
Elaboration: DETEC/SISTEMA FAMASUL;
Datum SIRGAS 2000;
September/2023.



Sources: IBGE (LSPA) 2023. **Made by:** DETEC/Sistema Famasul

CASSAVA MS 2022/23

FAMASUL SENAR
AGRICULTURE

Planted Area:
51,124 ha
HARVEST 2023

2022
44,222 ha

PRODUCTION 2023
1.1 million Ton

Average Productivity
21,907 kg/ha

Export
Cassava starch - 2022
23,05 mil t.
$17 million in revenue

18 countries

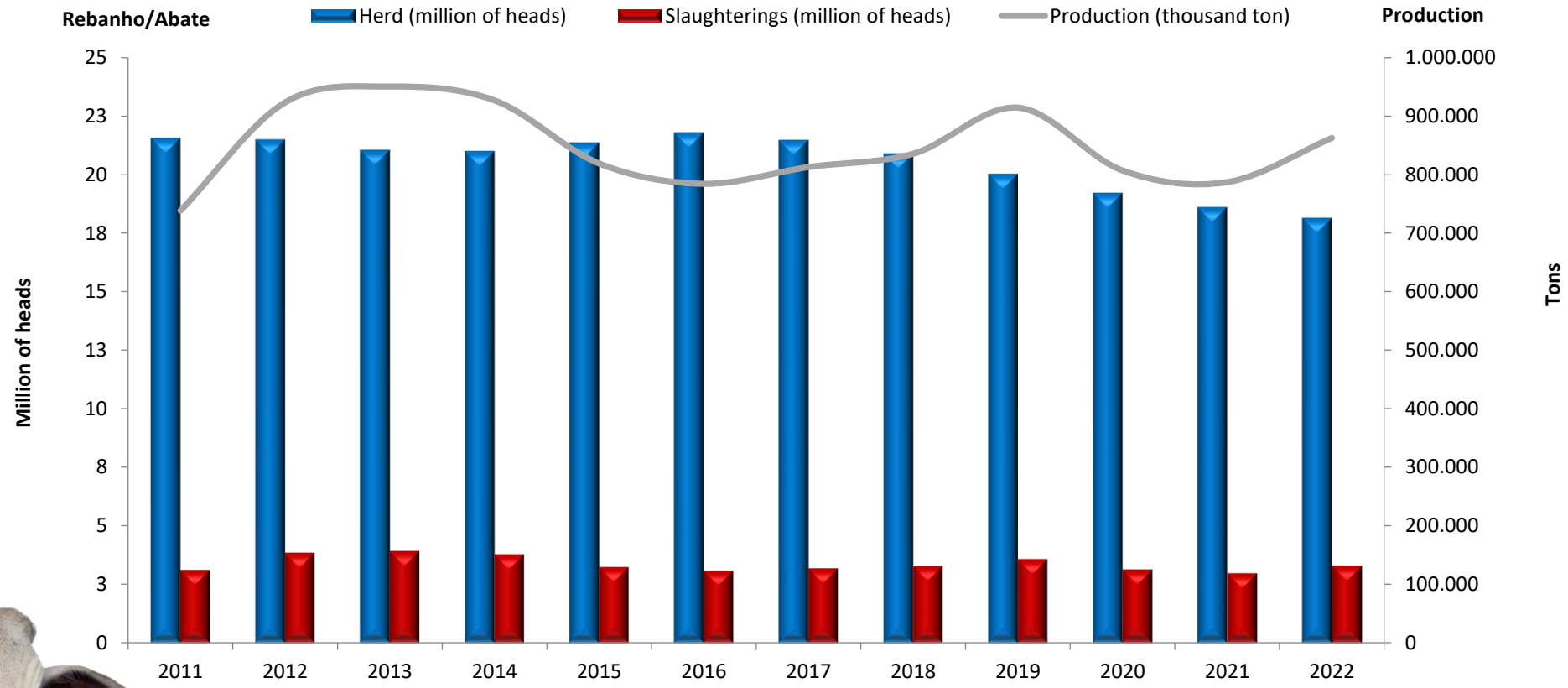
Paraguai: **45%**
USA: **27%**
Colombia: **9%**
Espanha: **6%**
Others: **14%**

Sources: IBGE (LSPA) 2023; MAPA, 2023. **Made by:** DETEC/Sistema Famasul

LIVESTOCK PRODUCTION IN MATO GROSSO DO SUL

BEEF CATTLE IN MS

Ten years (2012/2022): 15.80% Herd | 6.06% Slaughterings | 16.79% Production



Source: IBGE; MAPA/SFA; IAGRO, 2022. **Made by:** DETEC/Famasul System.

BEEF CATTLE IN MS MS - 2022

FAMASUL SENAR

LIVESTOCK

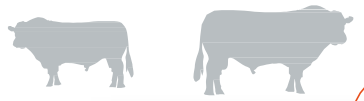
Pasture: **18.09** million ha
Production: **862.6** thousand tons
Occupancy rate**: 0.87** cab/ha
Capacity: **1.05** AU/ha

Average carcass weight
263kg
Average Carcass Yield
50% - 52%

Flock
15.6 million
of heads

Confinements
498.3 Thousand Heads

Export
217.3 thousand t.
25.19%
$1.13 billion



Fresh beef **92.59%**
201.2 thousand t.

65 countries
China: **30.58%**
USA: **14.23%**
Chile: **13.99%**
Others: **41.19%**

Industrialized
0.41%
894 t.

10 countries
Angola: **41.54%**
Chile: **33.72%**
Hong Kong: **16.81%**
Others: **7.92%**

Offal and others
7%
15.2 thousand t.

39 countries
Hong Kong: **43.30%**
Costa do Marfim: **11.71%**
Egipty: **6.78%**
Others : **38.21%**

Source: SECEX, IAGRO, IBGE, 2023. **Made by:** DETEC/Sistema Famasul.

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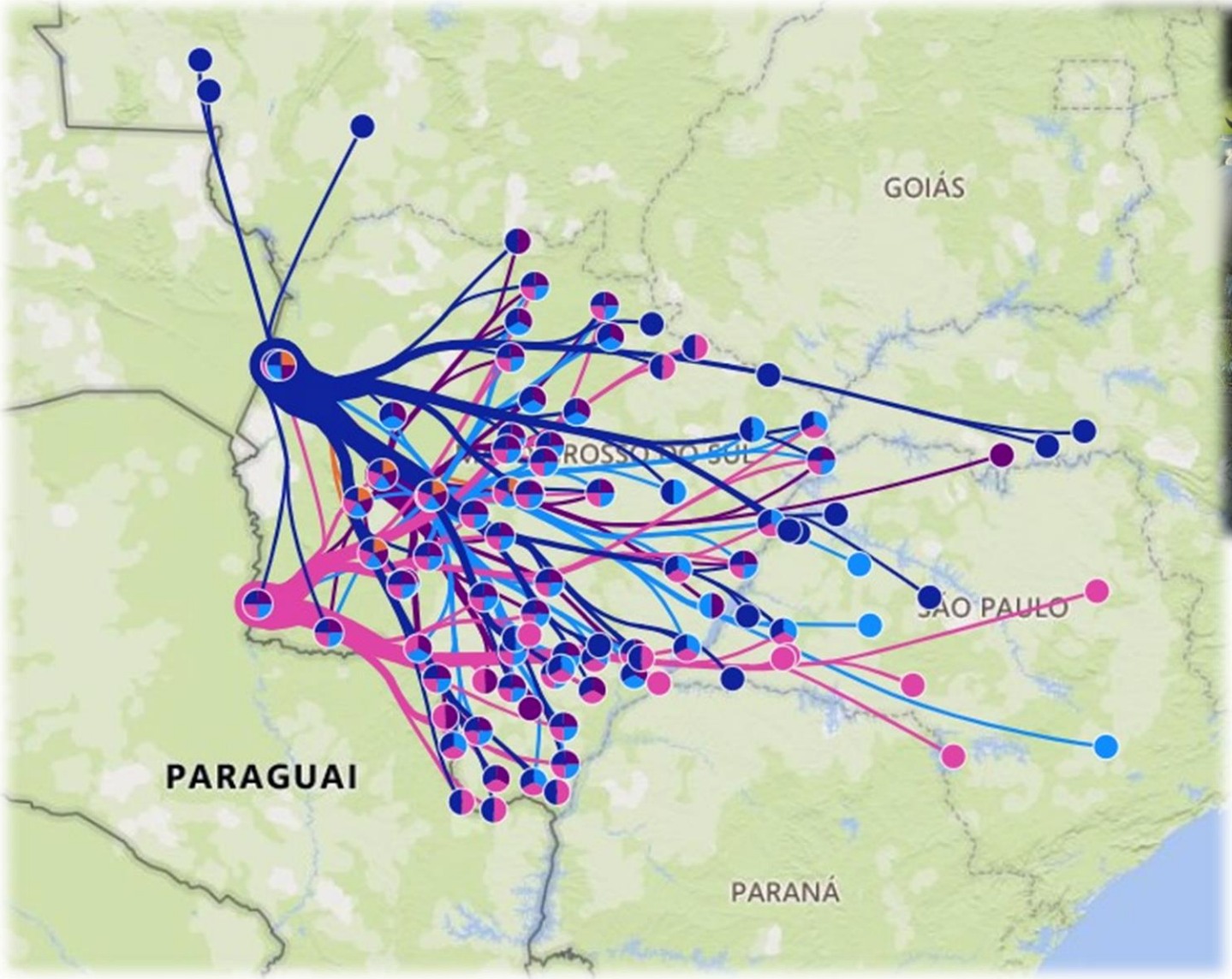
Mato Grosso do Sul

ECONOMIC IMPORTANCE OF THE PANTANAL – CALF PRODUCTION



800 thousand calves produced per year

15% of MS production

Source: IAGRO

BEEF SLAUGHTER HOUSES IN MS

52
Active Industries

August:
SIF
11.555 animals/day

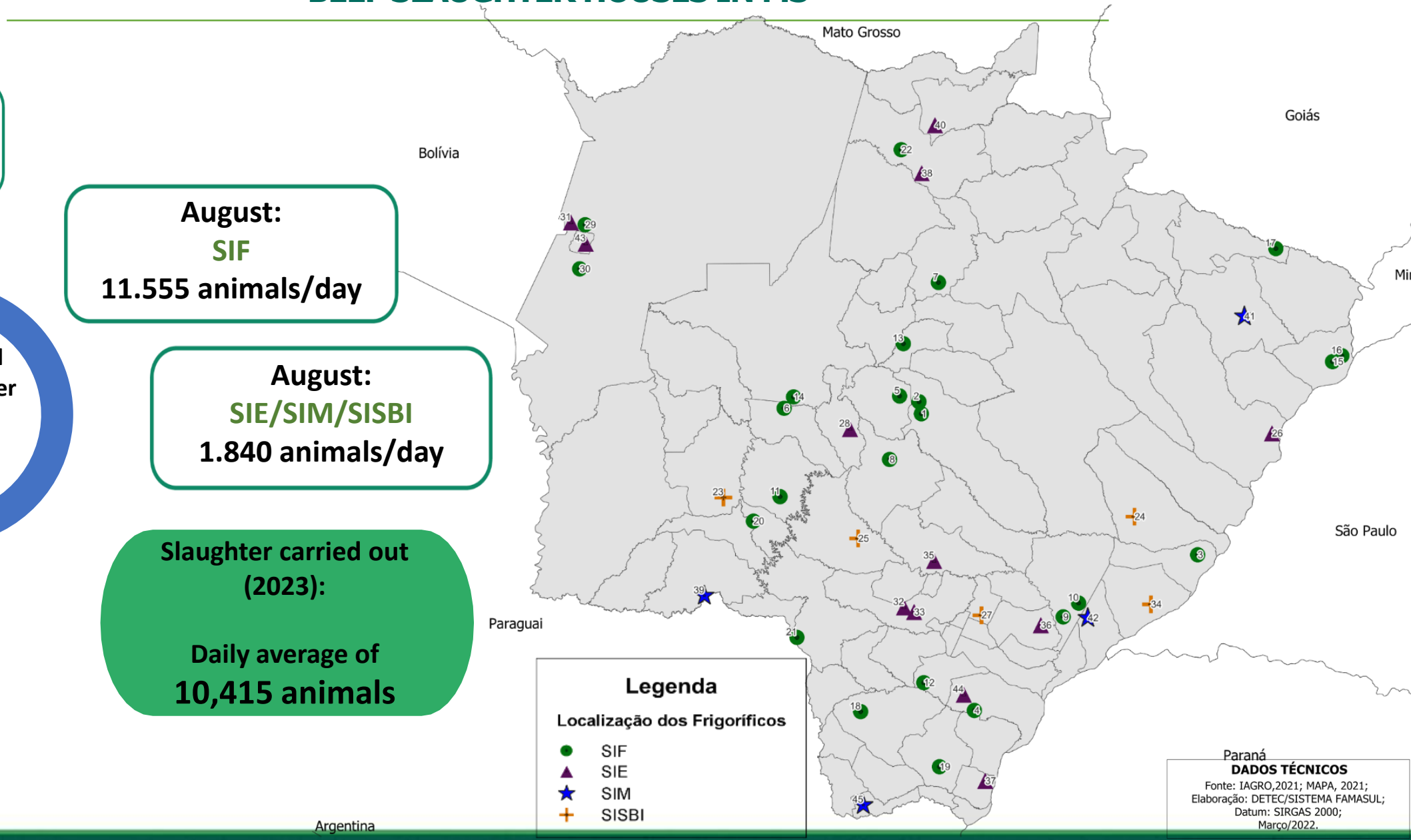
August:
SIE/SIM/SISBI
1.840 animals/day

23 qualified beef slaughter houses for export

UE: **10**
EUA: **6**
China: **3**

Slaughter carried out (2023):

Daily average of
10,415 animals

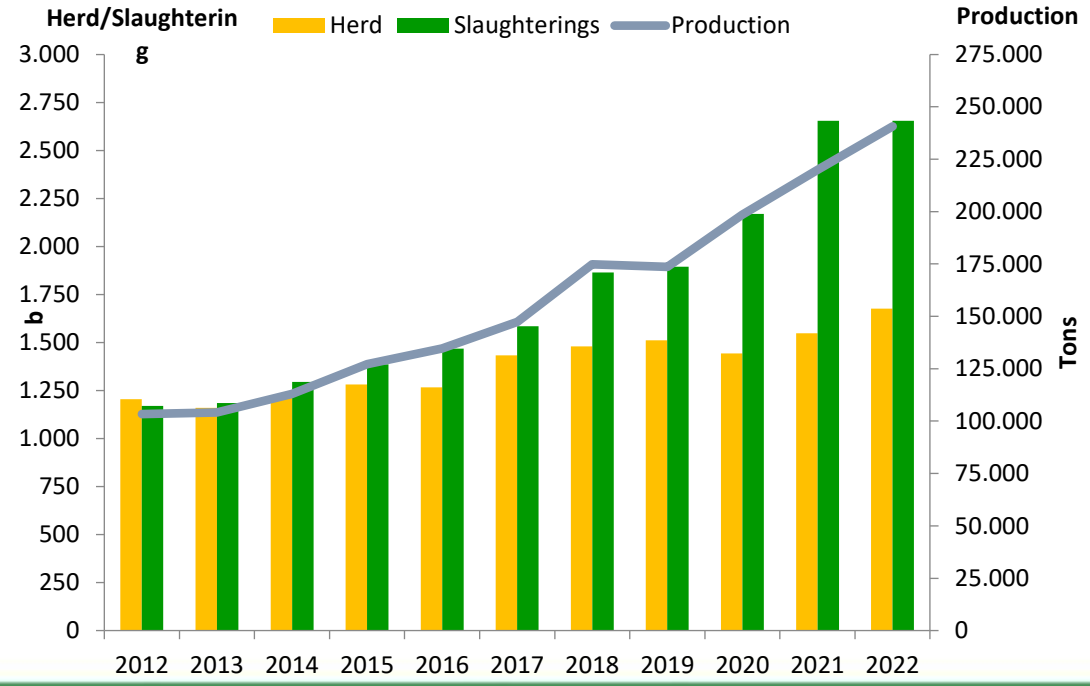


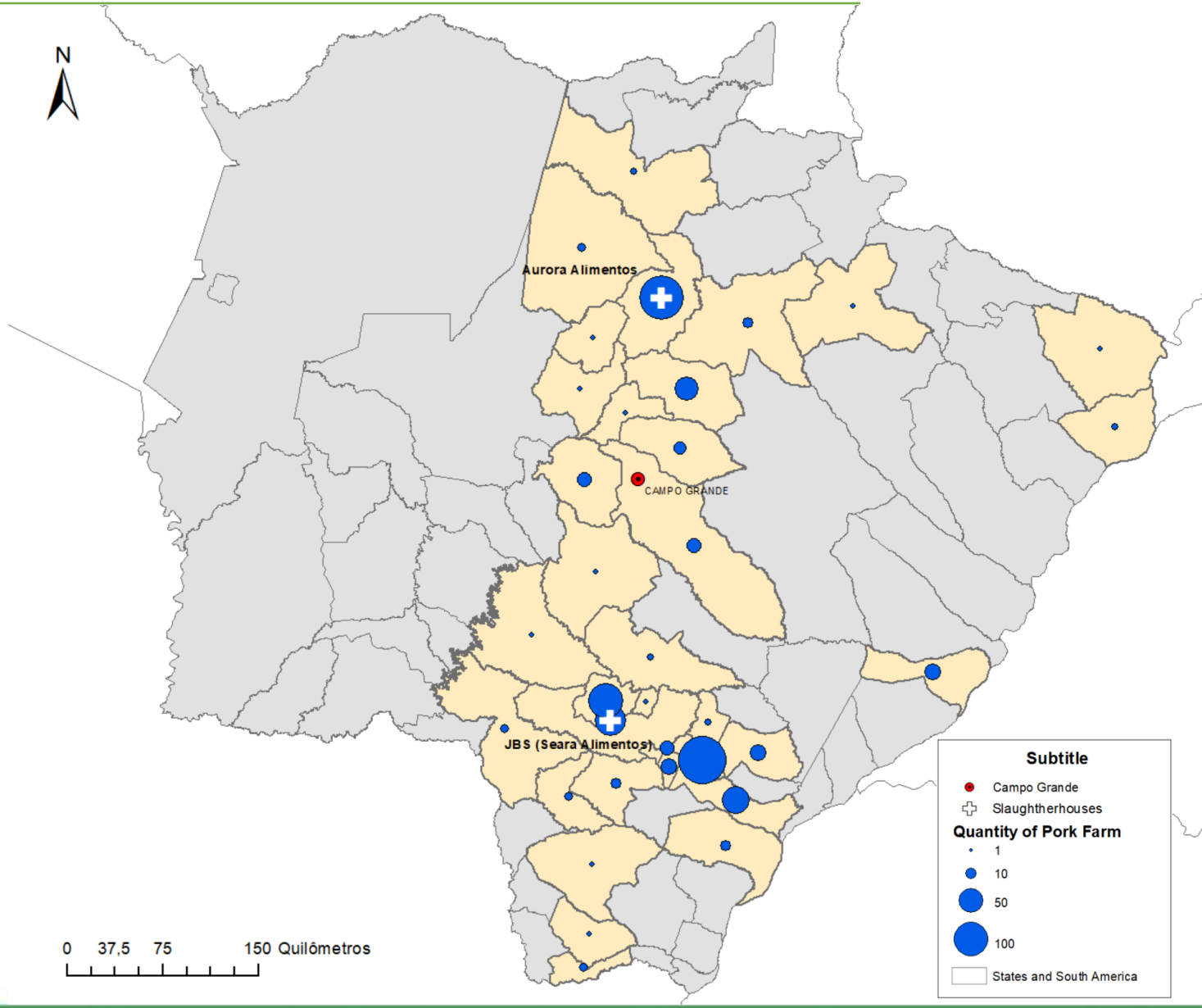
FAMASUL
Federação da Agricultura e Pecuária Mato Grosso do Sul

PORK SLAUGHTER HOUSES IN MS

Ten years (2012/2022):

- 39.12% Herd
- 126.81% Slaughterings
- 132.89% Production





PORK SECTOR MS - 2022

FAMASUL SENAR

LIVESTOCK

Herd **1.67** million of heads

Slaughter of **2.6** million heads
Slaughter (carcass weight) **240.6 thousand t.**

Average weight carcass **91 kg**

Performance medium carcass **68% - 72%**

Export Volume
20,79 thousand t.
$42.1 million

In natura 16,7 thousand t.
80.7%

29 countries

Hong Kong: **26.8%**

Arab Emirates: **14.2%**

Singapore: **12.10%**

Others: **46.8%**

Industrialized **123 t.**
0.59%

3 countries

Paraguay: **70%**

Hong Kong: **27.1%**

Cambodia: **2.8%**

Offal **3.88 thousand t.**
18.7%

17 countries

Angola: **41.3%**

Hong Kong: **19.3%**

Liberia: **11.8%**

Others : **21.4%**

Source: IAGRO, IBGE, SECEX, 2023. **Made by:** DETEC/Sistema Famasul.

POULTRY MS - 2021

Broiler herd
321.1 million
of heads

Slaughter **186.9** million head
Slaughter (carcass weight)
413.7 thousand t.

Average weight
2.21 kg carcass

Performance
medium carcass
68%-72%

Export Volume
174.1 thousand t.
$373.3 million

In natura
174.1 thousand t.
100%

77 countries

Japan: **16.79%**

China: **13.49%**

Arab Emirates: **10.03%**

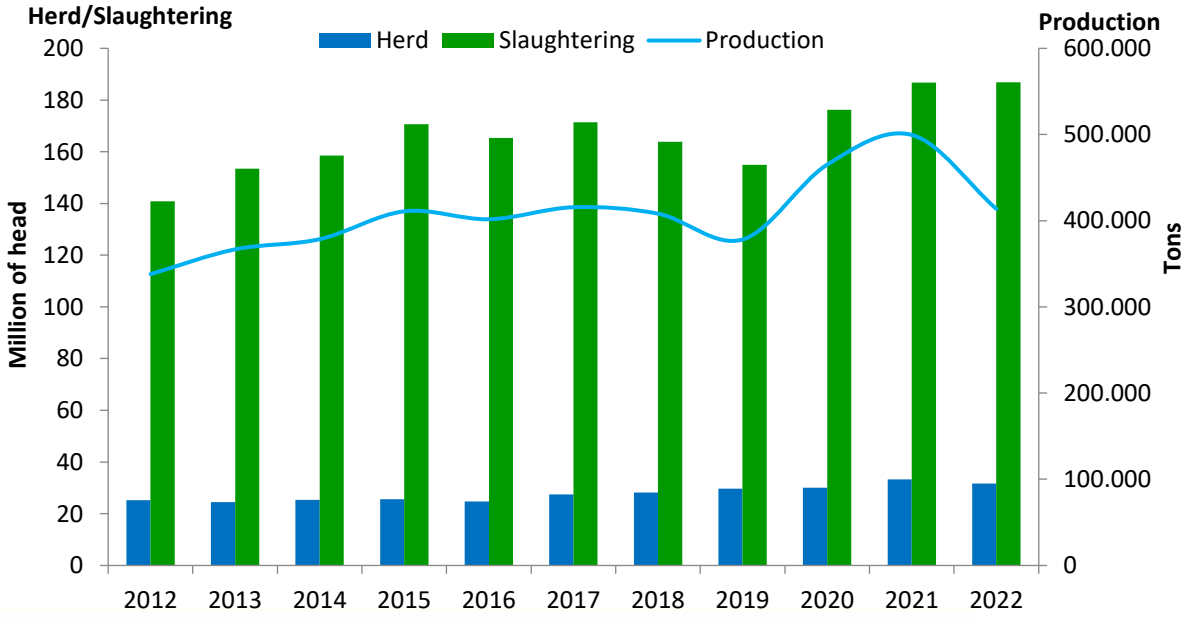
Others: **59.67%**

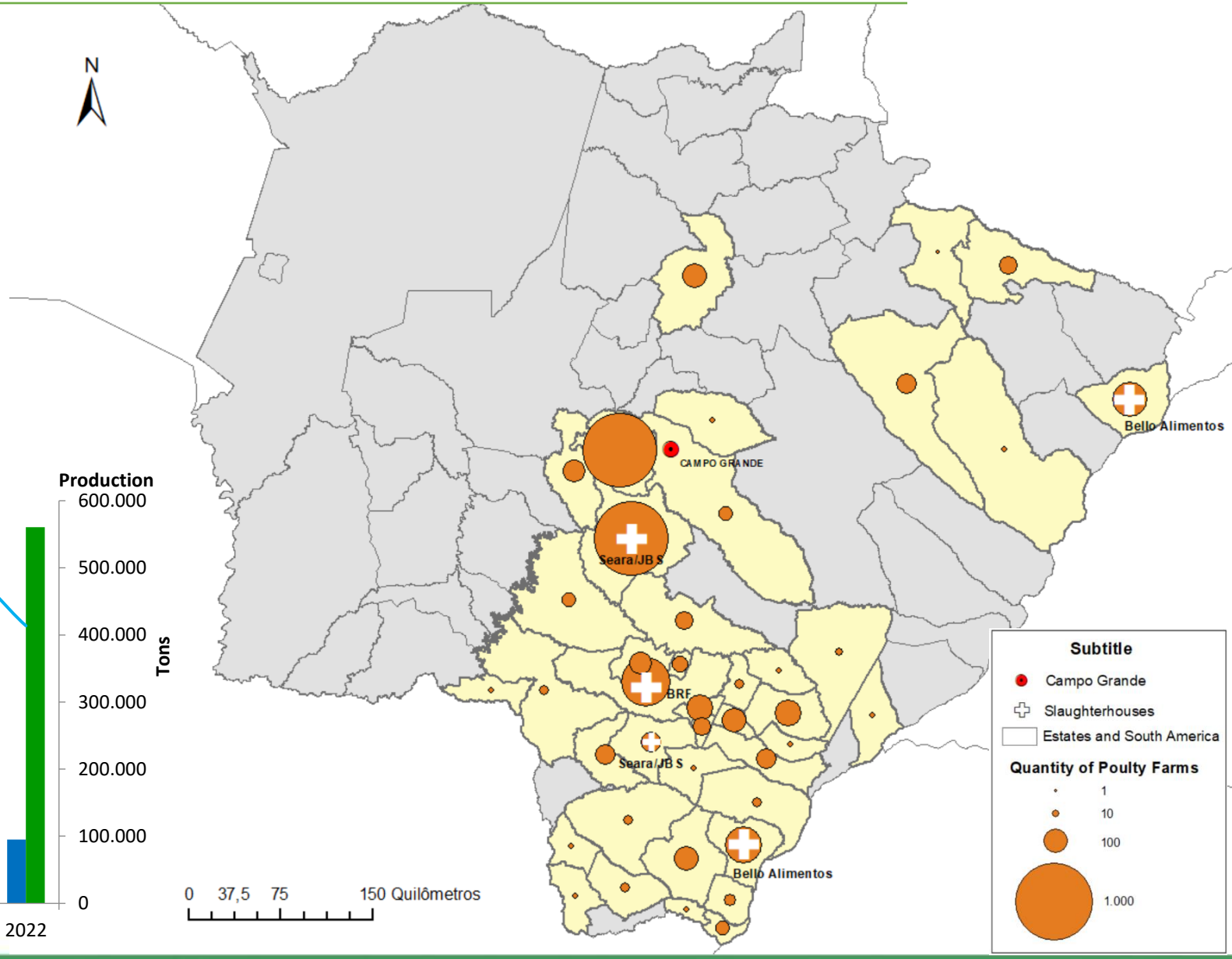
Source: IAGRO; IBGE; SECEX, 2023. **Made by:** DETEC/Sistema Famasul.

POULTRY SLAUGHTER HOUSES IN MS

ten years (2012/2022):

- 25.36% Herd
- 32.71% Slaughterings
- 22.40% Production





AQUACULTURE IN MATO GROSSO DO SUL

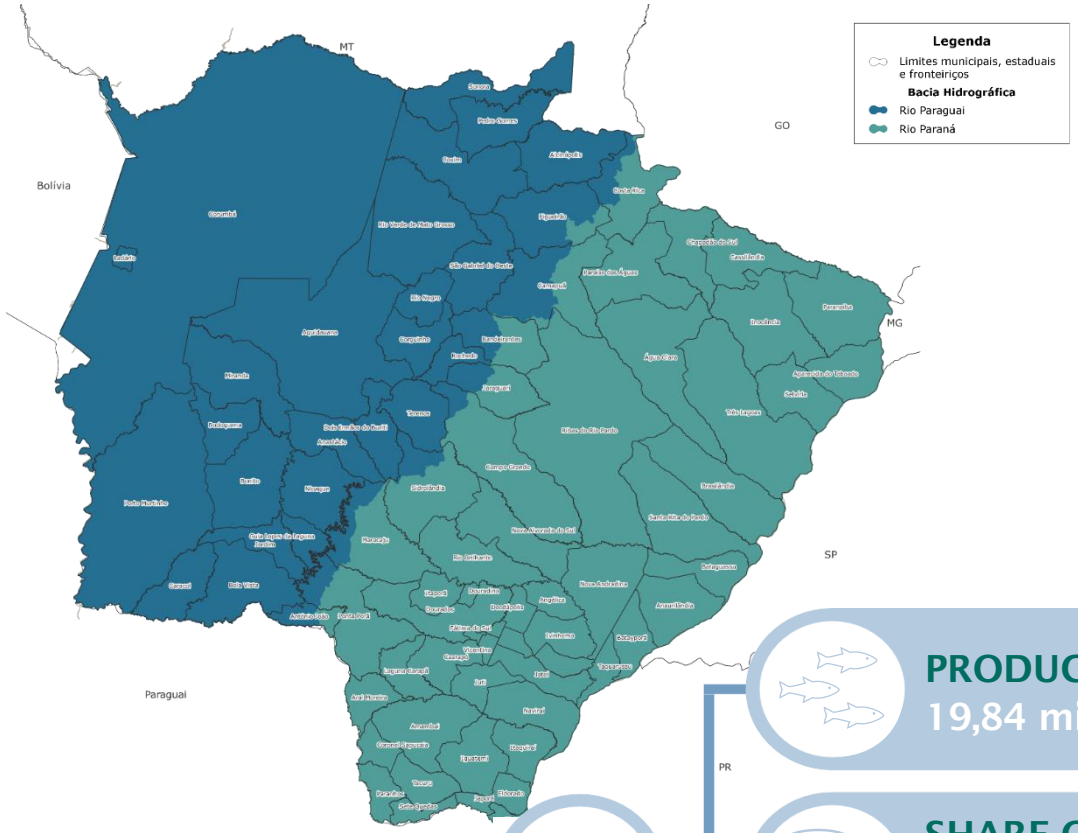
1,07 BI
FISH

Exotic Species like :

Tilapia

Cultive is only permited at the

Parana Basin

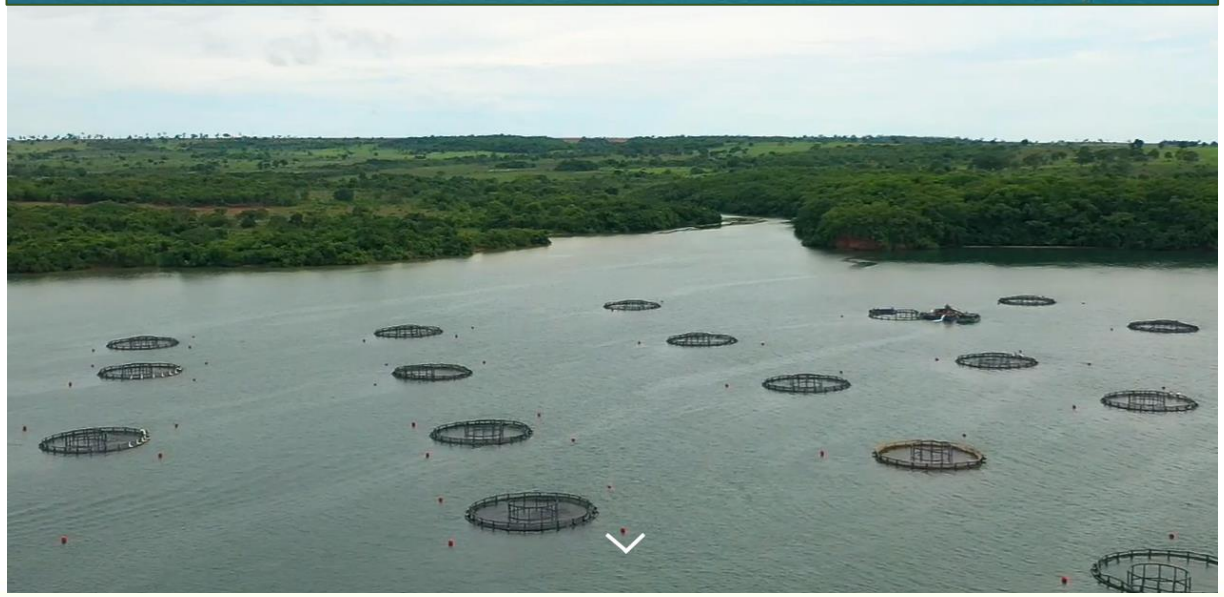


PRODUCTION
19,84 mil tons in 2021

SHARE OF EXPORTS
25,08% of the brazilian revenue
2º place in the national ranking

MAJORS DESTINATIONS
USA 93,18%
Canada 6,82%

Fonte: Ministério da Economia/SECEX, 2022, PAM/IBGE, 2021.



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Federation of Agriculture and Livestock
Mato Grosso do Sul

Creating Opportunities. Building Solutions.