

# REALTIME DEFORESTATION

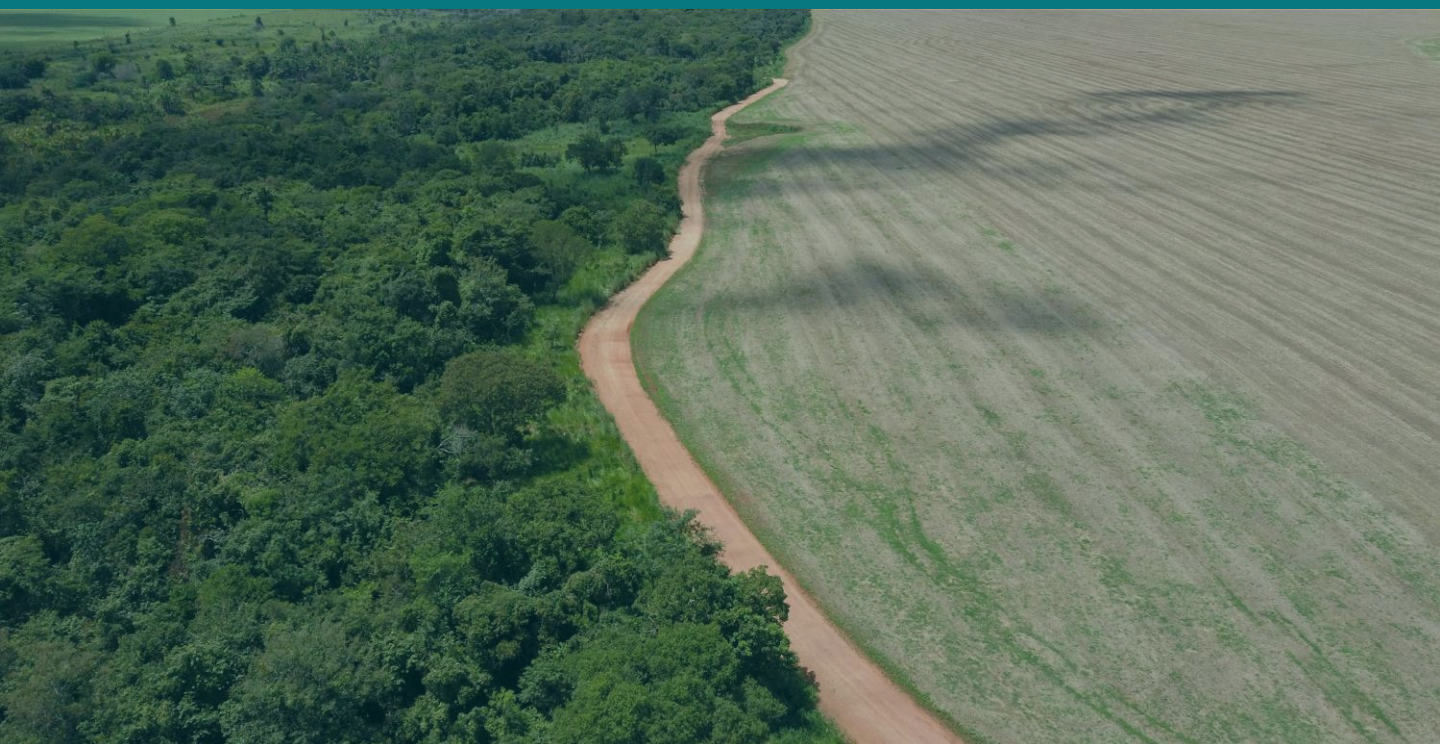
## *Monitoring System*

*Special analysis of FIRE events*

Soy and cattle supply chains

Amazon & Cerrado biomes – Brazil

RDM 7 - November 2022



aid  
environment

Aidenvironment develops **Realtime Deforestation Monitoring (RDM)** reports to engage companies and urge action towards real-time deforestation events, as well as to support civil society and financial sector stakeholders in their efforts to halt deforestation linked to commodity production and trade. In Brazil, recent increase of deforestation rates is mostly linked to the expansion of Soy and Cattle production within Amazon and Cerrado biomes.

The RDM report of November 2022 highlights cases totaling **1,256 fire alerts during September 2022**. The report presents **ten new cases** linking recent deforestation to cattle (all the seven cases in the Amazon biome) and soy (five cases in the Amazon biome and all the three cases in the Cerrado biome). The ten new cases include the alarming reporting of **40,937 hectares of native vegetation clearance in both biomes, Amazon and Cerrado**. Among the reported clearance of native vegetation, around 23,790 hectares are in areas with ‘extremely high’ priority for biodiversity conservation, and around 26,874 hectares fall in areas declared as the properties’ Legal Reserves or Permanent Reserves, mandatory preservation areas according to the Brazilian Forest Code.

The report presents two cases directly linked to two of the largest soy producers in Brazil: SLC (case 8) and InSolo (case 9). The two cases linked to SLC Agrícola are combined in one case (case 8). This report includes deforestation events between June and October 2022.

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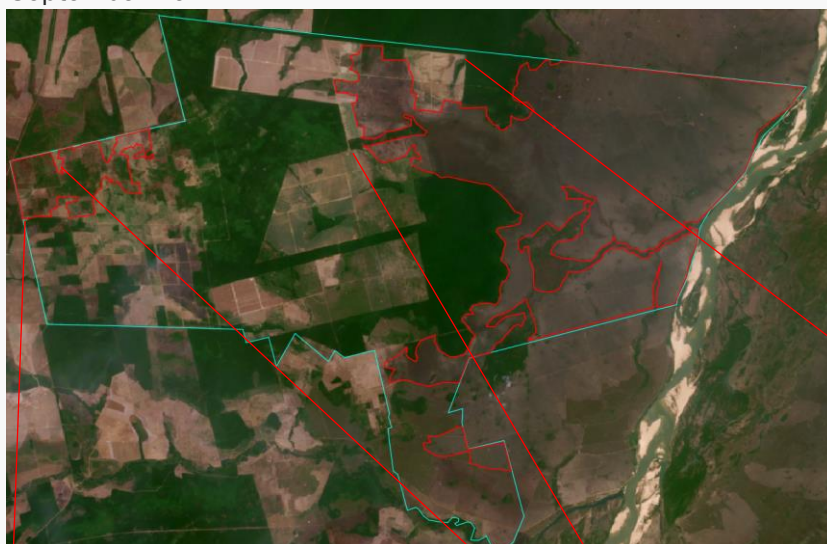
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Property	
<b>Fazenda São Sebastião</b>	
Santa Terezinha, Mato Grosso	<b>Amazon biome</b>
<b>CAR:</b> MT-5107776-DC5A97A8DE7047989E1B78D058D15B76	<b>SIGEF/SNCI:</b> 9010593003068
<b>Area property (ha):</b> 47,254	<b>Coordinates property:</b> -50.40187, -9.89001

Cleared Area	
<b>Coordinates clearance:</b>	-50.31127, -9.86188
<b>17,186</b> Hectares	<b>period clearance:</b> September 2022
<b>429</b> fires alerts	
<b>Inside Forest Code's protected areas:</b> Yes	14636 ha inside declared Legal Reserve and APP
<b>Type of vegetation:</b> Ombrophilous Open Forest	<b>Priority for Biodiversity Conservation:</b> Extremely high
<b>Conservation area(s) (overlapping or bordering):</b>	Bordering Parque Estadual do Cantão
<b>Indigenous Territories (overlapping or bordering):</b>	Bordering the Indigenous Territory Utaria Wyhyna/Iròdu Iràna

**Imagery:** limits of the property (blue) limits of the cleared area (red)

September 2022



Source: Imagery ©2022 Planet Labs Inc.

**Fires**

02<sup>nd</sup> September 2022



Source: European Union - EO Browser Copernicus Sentinel data 2022



Source: European Union - EO Browser Copernicus Sentinel data 2022

Environmental fines and embargoes			
<b>Embargoes:</b>	Yes	5 embargos for illegal clearance of 2,015 ha of native vegetation in 2020 and 2021	
<b>Environmental fines:</b>	Yes	1 environmental fine for economic activities in an embargoed area in September 2022	BRL 510,000
Ownership and other linked properties			
<b>Ownership:</b>	Agropecuária São Sebastião do Araguaia		
<b>Company group:</b>	Agropecuária São Sebastião do Araguaia, Itapurá Agropecuária		
<b>Linked properties:</b>	No other properties found		
Supply chain links			
<b>Main Commodities</b>	Beef and Soy		
<b>Confirmed supply chain link, level of certainty, and soy trader/ beef processor</b>	Yes	High / Medium / Low	JBS / Minerva, Marfrig / Viterra
Soy	<b>Main exporters (municipality)</b>	Viterra (100%)	
	<b>Warehouses (50 km radius)</b>	3 warehouses owned by individuals and local storage companies/cooperatives	
	<b>Supply chain links &amp; details:</b>	The property produced soy in 2021	
Beef	<b>Main traders (municipality)</b>	JBS (67%), Marfrig (11%), Minerva (5%), others (17%)	
	<b>Slaughterhouses (sourcing from the municipality)</b>	6 different slaughterhouses sourced cattle from Porto dos Gaúchos (MT) in 2021, e.g.: 3 owned by JBS (Confresa, Água Boa, and Barra do Garças - MT), 1 by Marfrig (Nova Xavantina - MT)	
	<b>Supply chain links &amp; details:</b>	Directly supplied cattle to 1 JBS slaughterhouse (Confresa - MT) in 2018 and 2019. Indirectly supplied 3 JBS slaughterhouses (Barra do Garças, Confresa, and Pedra Preta - MT) in 2018 and 2019 through Fazenda Rancho dos Ipês (Confresa - MT), Fazenda Matagominas (Vila Rica - MT), Fazenda Santo Antônio do Jarigue (Pedra Preta - MT), Fazenda Beleza (Vila Rica - MT), Fazenda Reata (Barra do Garças-MT), and a property owned by André de Moraes Zucato (Pedra Preta - MT). The farm owned by André Zucato also supplied Minerva's slaughterhouses (Várzea Grande and Paranatinga-MT) in 2019. Fazenda São Sebastião also indirect supplied Marfrig (Paranatinga-MT) in 2018 through Fazenda Santo Antônio do Jarigue (Pedra Preta - MT).	
<b>Other supply chain links and details:</b>	-		
General comments			
<p>In 2021, the company Agropecuária São Sebastião do Araguaia presented a complaint to the public prosecutors office alleging that the Legal Reserves of the properties (including Fazenda São Sebastião) are being invaded and degraded by external groups (1). The properties are being claimed by smallholders groups since 2008. The association representing the smallholders claims that a private armed security company is threatening the families to remove them from the area (2). The CAR covering the area was declared by the linked company Itapurá Agropecuária in 2017, and is still under analysis (3). The company Agropecuária São Sebastião do Araguaia was incorporated by Itapurá Agropecuária in 2021 and is owned by WLM Participações e Comércio de Máquinas e Veículos, a company listed on the Brazilian stock exchange (4).</p>			
<p>(1) <a href="https://www.agenciadanoticia.com.br/noticias/exibir.asp?id=107929&amp;noticia=8203agropecuaria-denuncia-invasao-e-extracao-ilegal-de-madeira-em-area-de-preservacao-em-santa-terezinha">https://www.agenciadanoticia.com.br/noticias/exibir.asp?id=107929&amp;noticia=8203agropecuaria-denuncia-invasao-e-extracao-ilegal-de-madeira-em-area-de-preservacao-em-santa-terezinha</a></p> <p>(2) Notícia de Fato - Federal Prosecutor Office - undisclosed info</p> <p>(3) <a href="https://geoportal.sema.mt.gov.br/#/">https://geoportal.sema.mt.gov.br/#/</a></p> <p>(4) <a href="http://vipfiles.valor.com.br/BDEmpresas/623090.pdf">http://vipfiles.valor.com.br/BDEmpresas/623090.pdf</a></p>			

Property	
<b>Fazenda Xingu</b>	
Gaúcha do Norte, Mato Grosso	<b>Amazon biome</b>
<b>CAR:</b> MT-5103858-CE3183A8BC764446A2744E33FBC2130B, MT-5103858-06652C868791468D9351BFD52180DC0E	<b>SIGEF/SNCI:</b> 9020390422265
<b>Area property (ha):</b> 2,517	<b>Coordinates property:</b> -53.19514, -13.01110
Cleared Area	
<b>Coordinates clearance:</b>	-53.178691, -13.00949
<b>7,211</b> (5,809 inside the Indigenous Territory 'Parque Indígena do Xingu') <b>hectares</b>	<b>period clearance:</b> September 2022
<b>134</b> fires alerts	
<b>Inside Forest Code's protected areas:</b> Yes	1,140 ha inside declared Legal Reserve
<b>Type of vegetation:</b> Semidecidual Seasonal Forest	<b>Priority for Biodiversity Conservation:</b> No
<b>Conservation area(s) (overlapping or bordering):</b> -	
<b>Indigenous Territories (overlapping or bordering):</b> Bordering Parque Indígena do Xingu	

**Imagery:** limits of the property (blue) limits of the cleared area (red)

September 2022

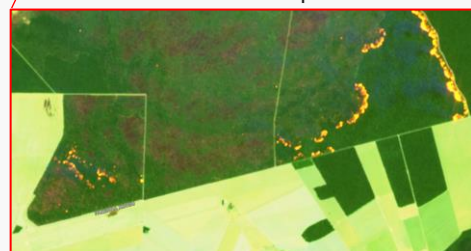


Burned area inside 'Parque Indígena do Xingu'

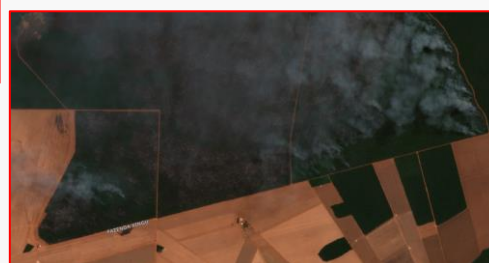


Source: Imagery ©2022 Planet Labs Inc.

**Fires**  
05<sup>th</sup> September 2022



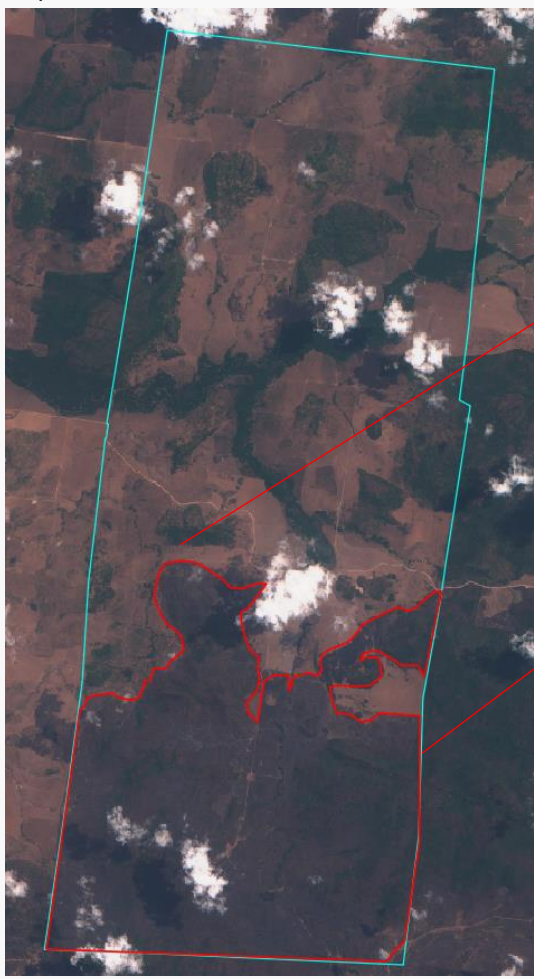
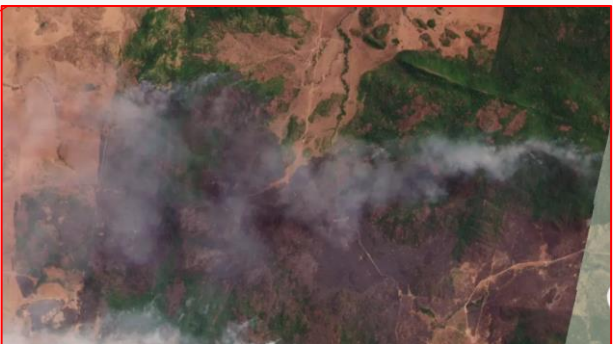
Source: European Union, contains modified 2022, processed with EO Browser Copernicus Sentinel data



Source: European Union - EO Browser Copernicus Sentinel data 2022

**Fires**  
05<sup>th</sup> September 2022

Environmental fines and embargoes			
<b>Embargoes:</b>	Yes (other links)	5 embargoed area in two linked properties: 3 embargoed areas in a linked property, Fazenda Xingu II, for illegal clearance of 10 ha of native vegetation in 2019 and 2020; 2 embargoed areas in a linked property, Fazenda Panteão (Gaúcha do Norte-MT), for illegal clearance of 64 ha of native vegetation in 2021	
<b>Environmental fines:</b>	Yes (other links)	1 environmental fine for illegal clearance of native vegetation in a linked property, Fazenda Panteão (Gaúcha do Norte-MT), in 2021	unknown
Ownership and other linked properties			
<b>Ownership:</b>	Agropecuária Muca		
<b>Company group:</b>	Jequitibá Agro (owned by D'Amore Mello Family)		
<b>Linked properties:</b>	3 other properties, totaling at least 1,530 ha. In Gaúcha do Norte (MT): Fazenda Xingu II (1,474 ha), Fazenda Panteão (163 ha), Sítio Maravilha ( )		
Supply chain links			
<b>Main Commodities</b>	Multiple		
<b>Confirmed supply chain link, level of certainty, and soy trader/ beef processor</b>	<b>Yes</b>	<b>Low</b>	<b>Cargill</b>
<b>Soy</b>	<b>Main exporters (municipality)</b>	Cargill (97%), others (3%)	
	<b>Warehouses (50 km radius)</b>	14 warehouses, i.e.: 2 owned Cargill	
	<b>Supply chain links &amp; details:</b>	The property produced soy in 2021. Sítio Maravilha, a linked property int Gaúcha do Norte (MT), supplied soy to Agrícola Alvorada in 2019	
<b>Beef</b>	<b>Main traders (municipality)</b>	Marfrig (86%), JBS (9%), others (5%)	
	<b>Slaughterhouses (sourcing from the municipality)</b>	5 different slaughterhouses sourced cattle from Gaúcha do Norte (MT) in 2018 and 2019, e.g.: 2 slaughterhouses owned by JBS (Barra do Garças - MT and Água Boa - MT), 2 owned by Marfrig (Paranatinga and Nova Xavantina - MT), and 1 owned by Nutrifrigo (Primavera do Leste - MT)	
	<b>Supply chain links &amp; details:</b>	-	
<b>Other supply chain links and details:</b>	Apparently soy is an inter-crop, and the main product linked to Agropecuária Muca is sugar cane		
General comments			
<p>D'Amore family is active in sugar cane production in Pirassununga (SP). The linked company, Jequitibá Agro, is ranked among the 50 largest companies in Pirassununga (SP) (1). João Caetano, one of the owners of Jequitibá Agro, accessed two loans from BNDES for operations at Gaúcha do Norte (MT) totalling BRL 1.8 million (2). In Gaúcha do Norte (MT), D'Amore family produces soy and corn, according to a list of producers benefiting from rural insurance in 2021 (3), and is also involved in acquisitions and leasing of areas in the same municipality (4).</p>			
<p>(1) <a href="https://www.empresaquicom.br/listas-de-empresas/SP/PIRASSUNUNGA">https://www.empresaquicom.br/listas-de-empresas/SP/PIRASSUNUNGA</a>  (2) <a href="https://www.bndes.gov.br/wps/portal/site/home/transparencia/consulta-operacoes-bndes">https://www.bndes.gov.br/wps/portal/site/home/transparencia/consulta-operacoes-bndes</a> (search for fiscal number '029.392.038-90')  (3) <a href="https://www.gov.br/agricultura/pt-br/assuntos/riscos-seguro/seguro-rural/produtores-beneficiados/mato-grosso-atualizado-jul2022.xlsx/@download/file/Mato%20Grosso-atualizado-jul2022.xlsx">https://www.gov.br/agricultura/pt-br/assuntos/riscos-seguro/seguro-rural/produtores-beneficiados/mato-grosso-atualizado-jul2022.xlsx/@download/file/Mato%20Grosso-atualizado-jul2022.xlsx</a>  (4) <a href="https://gauchanews.com.br/gaucha-do-norte/mesmo-sem-ligacao-asfaltica-gaucha-do-norte-tem-terceiro-maior-va-do-agro-da-regiao/28854008">https://gauchanews.com.br/gaucha-do-norte/mesmo-sem-ligacao-asfaltica-gaucha-do-norte-tem-terceiro-maior-va-do-agro-da-regiao/28854008</a></p>			

Property	
<b>Fazenda Rio da Paz</b>	
São Félix do Xingu, Pará	<b>Amazon biome</b>
<b>CAR:</b> PA-1507300-0870E29779BA494E8AB846968FA706F4	<b>SIGEF/SNCI:</b> 9501306968540
<b>Area property (ha):</b> 11,239	<b>Coordinates property:</b> -51.66208, -9.35452
Cleared Area	
<b>Coordinates clearance:</b>	-51.66939, -9.40931
<b>3,814</b> Hectares	<b>period clearance:</b> September 2022
<b>154</b> fires alerts	
<b>Inside Forest Code's protected areas:</b> Yes	582 ha inside declared Legal Reserve
<b>Type of vegetation:</b> Ombrophilous Open Forest	<b>Priority for Biodiversity Conservation:</b> No
<b>Conservation area(s) (overlapping or bordering):</b> -	
<b>Indigenous Territories (overlapping or bordering):</b> Closeby Indigenous Territories Menkragnoti and Badjonkore	
<p><b>Imagery:</b> limits of the property (blue) limits of the cleared area (red)</p> <p>September 2022</p>  <div style="position: absolute; top: 560px; left: 510px;"> <p><b>Fires</b> 02<sup>nd</sup> September 2022</p>  </div> <p style="text-align: right; font-size: small;">Source: European Union - EO Browser Copernicus Sentinel data 2022</p> <p style="font-size: x-small;">Source: Imagery ©2022 Planet Labs Inc.</p>	

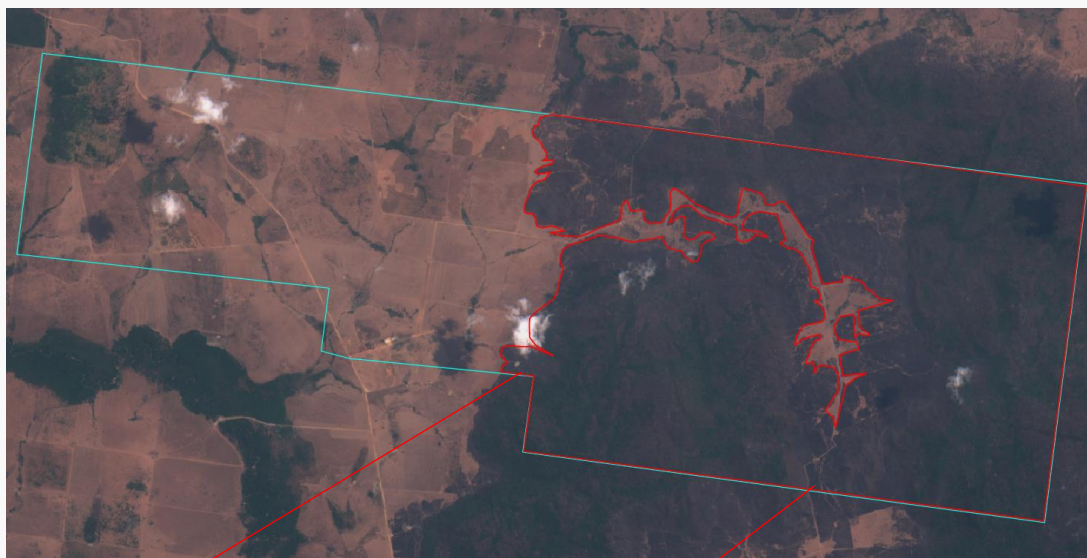
Environmental fines and embargoes			
<b>Embargoes:</b>	No	-	
<b>Environmental fines:</b>	Yes	9 environmental fines: 3 for activities (cattle trading) in an embargoed area in 2017, 6 for not presenting environmental reports in 2019	BRL 21,053,200
Ownership and other linked properties			
<b>Ownership:</b>	Brusqui Agropecuária		
<b>Company group:</b>	Brusqui Agropecuária, Agropecuária Novo Norte		
<b>Linked properties:</b>	In São Félix do Xingu (PA): Fazenda Santa Terezinha I (unknown area). In Nova Santa Helena (MT): Fazenda Santa Laura Vicuña (unknown area). In Vila Bela de Santíssima Trindade (MT): Fazenda Marambaia I, II, IV and V (1,550 ha), Fazenda Rosana (1,910 ha), Fazenda São Francisco II and III (1,045 ha)		
Supply chain links			
<b>Main Commodities</b>	Beef and Soy		
<b>Confirmed supply chain link, level of certainty, and soy trader/ beef processor</b>	<b>Yes</b>	<b>High</b>	<b>JBS</b>
<b>Soy</b>	<b>Main exporters (municipality)</b>	[Domestic Consumption (100%)]	
	<b>Warehouses (50 km radius)</b>	No warehouses within 50km radius from the property	
	<b>Supply chain links &amp; details:</b>	The property produced soy in 2021	
<b>Beef</b>	<b>Main traders (municipality)</b>	Frigol (42%), Marfrig (35%), JBS (9%), others (14%)	
	<b>Slaughterhouses (sourcing from the municipality)</b>	25 different slaughterhouses sourced cattle from São Félix do Xingu (PA) in 2019, e.g.: 4 owned by JBS (Santana do Araguaia, Marabá, Tucumã, Redenção, all in PA), 1 by Marfrig (Tucumã - PA)	
	<b>Supply chain links &amp; details:</b>	Directly supplied cattle to 1 JBS slaughterhouse (Santana do Araguaia - PA) between 2018 and 2022. Indirectly supplied JBS (Colíder and Alta Floresta - MT) through Fazenda Pedra Preta (Alta Floresta - MT)	
<b>Other supply chain links and details:</b>	-		
General comments			
<p>Xavier family, owner of Brusqui Agropecuária and linked companies, were prosecuted by the public prosecutor office in 2018 for having workers in labour conditions analogous to slavery in their properties including a fine of BRL 6 million. In five rescuing operations from the Ministry of Labour, a total of 324 workers were rescued in the family's properties (1). In 2017, JBS (Santana do Araguaia - PA) was fined by Ibama for acquiring 5,160 cattle from an embargoed area in Fazenda Rio da Paz as part of the Federal Police operation “Carne Fria”. The company had to pay BRL 2.5 million for buying cattle from an illegal production area (2). In 2008, one of the partners of Brusqui Agropecuária, Rosana Sorge Xavier, was indicated as the second largest deforester in Brazil (the list did not include companies) (3). A 2022 technical analysis by the environmental state agency of Pará (Semas), to monitor the TAC signed to restore degraded land in that farm, concluded that no signs of meaningful restoration of the degraded protected area could be detected (4) .</p>			
<p>(1) <a href="https://www.prt23.mpt.mp.br/procuradorias/ptm-alta-floresta/1023-grupo-economico-familiar-de-mt-e-condenado-a-pagar-r-6-milhoes-por-trabalho-escravo">https://www.prt23.mpt.mp.br/procuradorias/ptm-alta-floresta/1023-grupo-economico-familiar-de-mt-e-condenado-a-pagar-r-6-milhoes-por-trabalho-escravo</a></p> <p>(2) <a href="https://dadosabertos.ibama.gov.br/dataset/?q=auto+de+infra%C3%A7%C3%A3o/">https://dadosabertos.ibama.gov.br/dataset/?q=auto+de+infra%C3%A7%C3%A3o/</a>  <a href="https://imazon.org.br/PDFimazon/Portugues/livros/Frigorificos%20e%20o%20desmatamento%20da%20Amaz%C3%B4nia.pdf">https://imazon.org.br/PDFimazon/Portugues/livros/Frigorificos%20e%20o%20desmatamento%20da%20Amaz%C3%B4nia.pdf</a></p> <p>(3) <a href="https://reporterbrasil.org.br/documentos/o_brasil_dos_agrocombustiveis_v5.pdf">https://reporterbrasil.org.br/documentos/o_brasil_dos_agrocombustiveis_v5.pdf</a></p> <p>(4) Nota Técnica 31880/GEAR/COMAM/DIORED/SAGRA/2022 SEMAS (PA)</p>			



Property			
<b>Fazenda Tigre</b>			
São Félix do Xingu, Pará		<b>Amazon biome</b>	
<b>CAR:</b>	PA-1507300-B92F7B3AAA154DB58E59326C5021CC7F	<b>SIGEF/SNCI:</b>	9501306079753
<b>Area property (ha):</b>	4,766	<b>Coordinates property:</b>	-51.47564, -9.64946
Cleared Area			
<b>Coordinates clearance:</b>		-51.46748, -9.65819	
<b>2,717</b> hectares		<b>period clearance:</b> September 2022	
<b>91</b> fires alerts			
<b>Inside Forest Code's protected areas:</b>	Yes	2161 ha inside declared Legal Reserve	
<b>Type of vegetation:</b>	Ombrophilous Open Forest	<b>Priority for Biodiversity Conservation:</b>	No
<b>Conservation area(s) (overlapping or bordering):</b>		-	
<b>Indigenous Territories (overlapping or bordering):</b>		-	

**Imagery:** limits of the property (blue) limits of the cleared area (red)

September 2022



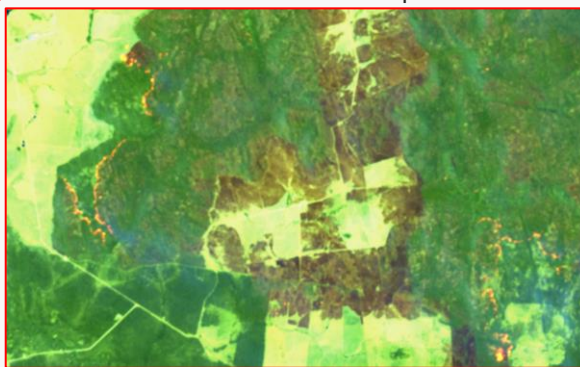
Source: Imagery ©2022 Planet Labs Inc.

**Fires**

12<sup>th</sup> September 2022



Source: European Union - EO Browser Copernicus Sentinel data 2022



Source: European Union, contains modified 2022, processed with EO Browser Copernicus Sentinel data

Environmental fines and embargoes				
<b>Embargoes:</b>	Yes	1 embargo for degradation of 1,970 ha of native vegetation in Fazenda Tigre (São Félix do Xingu - PA) in June 2018		
<b>Environmental fines:</b>	No	-	-	
Ownership and other linked properties				
<b>Ownership:</b>	Bertier da Silva Filho			
<b>Company group:</b>	Linked to the gas/fuel station "Grupo Tigrão", with more than 12 different registered companies in Mato Grosso (Confresa, Ribeirão Cascalheira, Água Boa, São Félix do Araguaia, Porto Alegre do Norte, Santa Terezinha, and São José do Xingu)			
<b>Linked properties:</b>	5 other properties, unknown area. In São Félix do Xingu (PA): Fazenda Elshaday. In Campinápolis (MT): Fazenda Sonho Meu. In Vila Rica (MT): Fazenda Tigrão, Fazenda Santa Clara. In Santa Terezinha (MT): Fazenda Santa Terezinha			
Supply chain links				
<b>Main Commodities</b>		Beef		
<b>Confirmed supply chain link, level of certainty, and soy trader/ beef processor</b>		Yes	High / Medium	JBS / Minerva, Marfrig
<b>Soy</b>	<b>Main exporters (municipality)</b>	[Domestic Consumption (100%)]		
	<b>Warehouses (50 km radius)</b>	3 warehouses owned by individuals and local storage companies/cooperatives		
	<b>Supply chain links &amp; details:</b>	-		
<b>Beef</b>	<b>Main traders (municipality)</b>	Frigol (42%), Marfrig (35%), JBS (9%), others (14%)		
	<b>Slaughterhouses (sourcing from the municipality)</b>	25 different slaughterhouses sourced cattle from São Félix do Xingu (PA) in 2019, e.g.: 4 owned by JBS (Santana do Araguaia, Marabá, Tucumã, Redenção, all in PA), 1 by Marfrig (Tucumã - PA)		
	<b>Supply chain links &amp; details:</b>	Directly supplied cattle to 2 JBS slaughterhouses (Redenção and Santana do Araguaia - PA) in 2019 and 2020 through the linked properties (same ownership), Fazenda Elshaday and Fazenda Sonho Meu, both in São Félix do Xingu (PA). Indirectly supplied 1 JBS slaughterhouse (Santana do Araguaia - PA), between 2018 and 2022 through Fazenda Surpresa owned by Albertine de Paula Souza (Santana do Araguaia - MT), Fazenda Terra Roxa (São Félix do Xingu - PA), and Fazenda Canaã (Santana do Araguaia - MT). Linked properties owned by Bertier da Silva Filho in Santa Terezinha (MT) directly supplied JBS (Confresa - MT) in 2018 and 2019. The linked property, Fazenda Sonho Meu (Campinápolis - MT) owned by Marcia Nubia Moreira da Silva, directly supplied 3 JBS slaughterhouses (Confresa, Barra do Garças and Água Boa - MT), 1 Minerva slaughterhouse (Paranatinga - MT) and 1 Marfrig slaughterhouse (Nova Xavantina - MT) in 2018 and 2019		
<b>Other supply chain links and details:</b>		-		
General comments				
The company Grupo Tigrão, owned by Bertier da Silva Filho and Marcia Nubia Moreira da Silva, is a well established business of gas/fuel station in North Mato Grosso.				
(1) <a href="https://grupotigrao.com.br/enderecos/">https://grupotigrao.com.br/enderecos/</a>				

Property	
<b>Fazenda Vale do Boi</b>	
São Félix do Araguaia, Mato Grosso	<b>Amazon biome</b>
<b>CAR:</b> MT-5107859-9DFDE64A2FFC4556B116F9BDE0C6595F	<b>SIGEF/SNCI:</b> 9010830036030
<b>Area property (ha):</b> 83,227	<b>Coordinates property:</b> -52.20241, -11.69994

Cleared Area	
<b>Coordinates clearance:</b>	-52.18868, -11.66008
<b>2,040</b> hectares	<b>period clearance:</b> September 2022
<b>195</b> fires alerts	
<b>Inside Forest Code's protected areas:</b> Yes	2040 ha inside declared Legal Reserve and APP
<b>Type of vegetation:</b> Semidecidual Seasonal Forest	<b>Priority for Biodiversity Conservation:</b> Very high
<b>Conservation area(s) (overlapping or bordering):</b> -	
<b>Indigenous Territories (overlapping or bordering):</b> Bordering the Indigenous Territory Maraiwatsede	

**Imagery:** limits of the property (blue) limits of the cleared area (red)

September 2022



Source: Imagery ©2022 Planet Labs Inc.



**Fires**

10<sup>th</sup> September 2022

Source: European Union - EO Browser Copernicus Sentinel data 2022

### Environmental fines and embargoes

<b>Embargoes:</b>	Yes	1 embargo in August 2019 for illegal clearance of 8,150 ha of native vegetation in Fazenda Vale do Boi (São Félix do Araguaia - MT)	
<b>Environmental fines:</b>	Yes	3 environmental fines: 2 for illegal clearance of 1,800 ha and 5,300 ha, and e for setting fire in 7,100 ha of native vegetation in 2004	BRL 13,015,000

### Ownership and other linked properties

<b>Ownership:</b>	Mario Quirino da Silveira		
<b>Company group:</b>	Agropecuária Vale do Boi in partnership with "Jacintho Quirino" family: Elza, Amaury, Gilberto e Ignez. Amaury Jacintho Quirino owns also a company in Goiás - Brasil Verde Empreendimentos Agropecuários.		
<b>Linked properties:</b>	5 other properties, totaling at least 4,730 ha. In São José do Xingu (MT): Fazenda Goiânia (unknown area), Fazenda Eldorado (unknown area). In Canabrava do Norte (MT): Fazenda Santa Marta (unknown area). In Campos Lindos (TO): Fazenda Vale da Serra (4,730 ha). In Serra Nova Dourada (MT): Fazenda da Serra (unknown area). Partners on the linked company Vale do Boi Agropecuária, own other 4 properties, totaling 4,095 ha. In São Félix do Araguaia (MT): Fazenda Vale Verde (2,409 ha). In Serra Nova Dourada (MT): Fazenda Vale do Cerrado (709 ha); Fazenda Vale do Cerrado II (492 ha); Fazenda Vale do Cerrado III e IV (485 ha)		

### Supply chain links

Main Commodities		Beef and Soy		
Confirmed supply chain link, level of certainty, and soy trader/ beef processor		Yes	High / Medium / Low	Marfrig / JBS, Minerva / Viterra
<b>Soy</b>	<b>Main exporters</b> (municipality)	Viterra (80%), Amaggi (14%), Bunge (6%)		
	<b>Warehouses</b> (50 km radius)	17 warehouses, i.e.: 2 owned by Amaggi, 1 by Viterra (Glencore)		
	<b>Supply chain links &amp; details:</b>	The property produced soy in 2021		
<b>Beef</b>	<b>Main traders</b> (municipality)	JBS (44%), Marfrig (20%), Frigoestrela (12,5%), Minerva (10%), others (13,5%)		
	<b>Slaughterhouses</b> (sourcing from the municipality)	10 different slaughterhouses sourced cattle from São Félix do Araguaia (MT) in 2019, e.g.: 3 owned by JBS (Água Boa, Barra do Garças, Confresa, all in MT), 1 by Marfrig (Nova Xavantina - MT), 1 by Minerva (Paranatinga - MT)		
	<b>Supply chain links &amp; details:</b>	Directly supplied cattle to 1 Marfrig slaughterhouse (Nova Xavantina - MT) in 2018. Indirectly supplied cattle to 2 JBS slaughterhouses (Barra do Garças and Água Boa - MT) in 2018 and 2019 through Fazenda Santa Helena de Água Boa (Água Boa - MT), Fazenda Caimbe (Primavera do Leste - MT), and through a property owned by Leandro Pinto da Silva (Água Boa - MT). Indirectly supplied Minerva (Paranatinga - MT) in 2019 also through Fazenda Caimbe (Primavera do Leste - MT)		
<b>Other supply chain links and details:</b>		-		

### General comments

In 2009, Mario Quirino was prosecuted by the Public Prosecutors Office for illegal deforestation of 5,300 ha in São Félix do Xingu (MT) (1). In 2013, the boundaries of the Fazenda Vale do Boi were contested in court. Mario Quirino da Silveira obtained a favourable decision for the repossession of the invaded area. The decision from 2014 also provided for the payment of R\$1.3 million as damages for the wood removed from the property (2). The property Fazenda Vale do Boi is inside the area of Fazenda Suiá Missú (3), a large public property with land tenure titles back from the 1960s. Part of the farm area was recognized as an Indigenous Territory and part was divided into smaller properties. The process for the recognition of the Marãiwatsédé Indigenous Territory began in 1998 and was only concluded in 2014 (4).

(1) <https://www.conjur.com.br/2009-jun-09/governo-ajuizar-75-acoes-supostos-desmatadores-amazonia>

(2) <https://www.jusbrasil.com.br/jurisprudencia/tj-mt/364968263/inteiro-teor-364968276> (Process number: 0000231-33.1999.8.11.0017)

(3) <https://www.jusbrasil.com.br/jurisprudencia/tj-mt/1155771998/inteiro-teor-1155772027>

(4) <https://www.mpf.mp.br/mt/sala-de-imprensa/noticias-mt/invasores-sao-retirados-da-terra-indigena-maraiwatsede-4/> / <https://noticias.uol.com.br/comprova/ultimas-noticias/2022/09/02/retirada-de-produtores-de-arroz-de-terras-indigenas-nao-foi-ordem-de-lula.htm>

## Property

### Fazenda Porteira Branca

Juara, Mato Grosso

Amazon biome

CAR: MT-5105101-7EDC1EF1A3634D4283E2296EE690FD9E

SIGEF/SNCI: 9500331287674

Area property (ha): 2,916

Coordinates property: -57.68983, -10.62050

## Cleared Area

Coordinates clearance:

-57.69838, -10.62732

1,879 Hectares

61 fires alerts

period clearance: Aug to Sep 2022

Inside Forest Code's protected areas: Yes

1109 ha inside declared Legal Reserve

Type of vegetation: Ombrophilous Dense Forest

Priority for Biodiversity Conservation:

Extremely high

Conservation area(s) (overlapping or bordering):

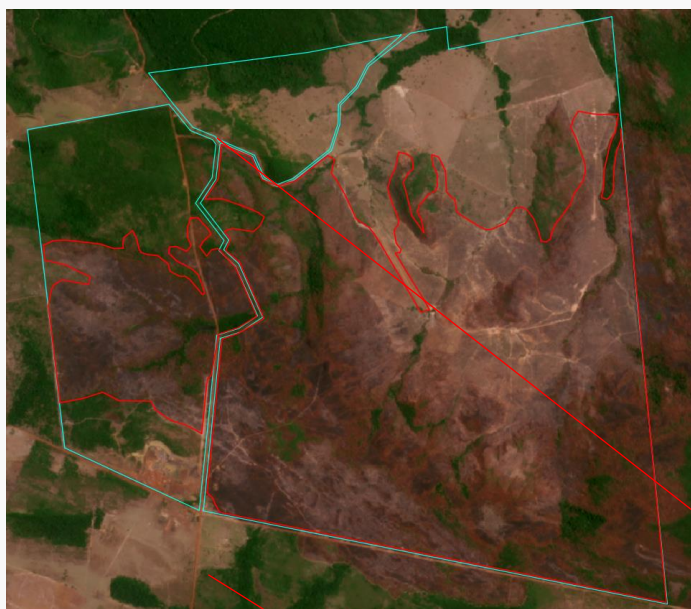
-

Indigenous Territories (overlapping or bordering):

-

Imagery: limits of the property (blue) limits of the cleared area (red)

September 2022



Source: Imagery ©2022 Planet Labs Inc.

Fires

25<sup>th</sup> August 2022



Source: European Union - EO Browser Copernicus Sentinel data 2022

Environmental fines and embargoes			
<b>Embargoes:</b>	Yes (other links)	7 embargoes in the linked property Fazenda Santa Bárbara (Nobres - MT): 2 for illegal clearance of 208 ha of native vegetation in 2017; 5 for illegal clearance of 202 ha of native vegetation in 2017	
<b>Environmental fines:</b>	Yes (other links)	1 environmental fine for illegal clearance of native vegetation in Fazenda Santa Bárbara (Nobres - MT) in 2017	unknown
Ownership and other linked properties			
<b>Ownership:</b>	Humberto Simioni Junior		
<b>Company group:</b>	Agropecuária Saba (Nobres - MT), Açucareira São Geraldo (Sertãozinho - SP)		
<b>Linked properties:</b>	2 other properties, totaling 14,240 ha. In Juara (MT): Fazenda Cachoeira Branca I and II (2,356 ha). In Nobres (MT): Fazenda Santa Bárbara (11,890 ha)		
Supply chain links			
<b>Main Commodities</b>		Beef	
<b>Confirmed supply chain link, level of certainty, and soy trader/ beef processor</b>		<b>Yes</b>	<b>High / Medium</b>
<b>Soy</b>	<b>Main exporters</b> (municipality)	[Domestic Consumption (100%)]	
	<b>Warehouses</b> (50 km radius)	No warehouses within 50km radius from the property	
	<b>Supply chain links &amp; details:</b>	A linked property, Fazenda Santa Bárbara (Nobres - MT), supplied soy to Amaggi in 2019	
<b>Beef</b>	<b>Main traders</b> (municipality)	JBS (56%), Marfrig (24%), Minerva (7%), others (23%)	
	<b>Slaughterhouses</b> (sourcing from the municipality)	15 different slaughterhouses sourced cattle from Juara (MT) in 2019 e.g.: 3 owned by JBS (Juara, Juína, Diamantino, all in MT), 1 owned by Marfrig (Tangará da Serra - MT), 1 owned by Minerva (Várzea Grande - MT)	
	<b>Supply chain links &amp; details:</b>	Directly supplied cattle to 2 JBS slaughterhouses (Juína and Juara - MT) in 2018 and 2019. Indirectly supplied Marfrig (Tangará da Serra - MT) through Fazenda Gera (Campo Novo do Parecis - MT) and JBS (Juara - MT) through Fazenda Esperança (Juara - MT), both in 2018 and 2019. A linked property, Santa Bárbara (Nobres - MT), directly supplied JBS (Diamantino - MT) in 2018 and 2019	
<b>Other supply chain links and details:</b>		-	
General comments			
<p>The owner, Humberto Simioni Junior, received a fine of BRL 18 millions from Mato Grosso environmental state agency (SEMA - MT) for illegal clearance of 3,196 ha of native vegetation inside the conservation Unity APA Cabeceiras do Rio Cuiabá in 2003 (1). Simioni Junior had an authorization issued by SEMA - MT for the clearance of 362 ha in the linked property, Fazenda Cachoeira Branca I and II (Juara - MT) in 2003 (2). The family origins is Sertãozinho (SP), where they are active in cattle production (3).</p>			
<p>(1) <a href="https://uc.socioambiental.org/noticia/1000">https://uc.socioambiental.org/noticia/1000</a>  (2) <a href="http://transparencia.sema.mt.gov.br/#/transparencia/sistemas/simlam">http://transparencia.sema.mt.gov.br/#/transparencia/sistemas/simlam</a>  (3) <a href="https://www.solutudo.com.br/empresas/sp/sertaozinho/reproducao-anim/humberto-simioni-junior-17337771">https://www.solutudo.com.br/empresas/sp/sertaozinho/reproducao-anim/humberto-simioni-junior-17337771</a></p>			

Property			
<b>Fazenda VMX - 90 Graus</b>			
Porto dos Gaúchos, Mato Grosso		<b>Amazon biome</b>	
<b>CAR:</b>	MT-5106802-93883C25D1D943918CE68930E9D87A29, MT-5106802-741C5FEA2DC1403E8888BFEC552D89EF	<b>SIGEF/SNCI:</b>	9501499058952
<b>Area property (ha):</b>	2,013	<b>Coordinates property:</b>	-56.91057, -11.86099
Cleared Area			
<b>Coordinates clearance:</b>	-56.91262, -11.85644		
<b>1,217</b> Hectares	<b>period clearance:</b> September 2022		
<b>78</b> fires alerts			
<b>Inside Forest Code's protected areas:</b>	Yes	1177 ha inside declared Legal Reserve	
<b>Type of vegetation:</b>	Semidecidual Seasonal Forest	<b>Priority for Biodiversity Conservation:</b>	Extremely high
<b>Conservation area(s) (overlapping or bordering):</b>		-	
<b>Indigenous Territories (overlapping or bordering):</b>		-	
<p><b>Imagery:</b> limits of the property (blue) limits of the cleared area (red) September 2022</p>			
			<p><b>Fires</b> 06<sup>th</sup> September 2022</p>
			<p><b>Fires</b> 04<sup>th</sup> September 2022</p>
Source: Imagery ©2022 Planet Labs Inc.		Source: European Union - EO Browser Copernicus Sentinel data 2022	
Source: Imagery ©2022 Planet Labs Inc.		Source: European Union - EO Browser Copernicus Sentinel data 2022	

### Environmental fines and embargoes

<b>Embargoes:</b>	Yes (other links)	4 embargoes in linked properties: 3 for illegal clearance of 300 ha of native vegetation in 2015, of 295 ha in 2016, and of 160 ha in 2019, all in Fazenda VMX - Maringá II (Porto dos Gaúchos - MT); 1 for illegal clearance of 170 ha of native vegetation in Fazenda VMX III - Arco Íris (Porto dos Gaúchos - MT)	
<b>Environmental fines:</b>	Yes (other links)	4 environmental fines in linked properties: 1 for illegal clearance of 295 ha of native vegetation in Fazenda VMX - Maringá II (Porto dos Gaúchos - MT) in May 2016; 1 for illegal clearance of 170 ha of native vegetation in Fazenda VMX III - Arco Íris in 2017; 1 for not allowing natural regeneration of 170 ha of native vegetation in Fazenda VMX III - Arco Íris (Porto dos Gaúchos - MT) in May 2018; 1 for not complying with the embargo in Fazenda VMX III - Arco Íris (Porto dos Gaúchos - MT) in 2018	BRL 3,986,700

### Ownership and other linked properties

<b>Ownership:</b>	VMX Agropecuária
<b>Company group:</b>	VMX Agropecuária (owned by Carlos Cesar Floriano and Leandro Luiz Chiachio)
<b>Linked properties:</b>	19 other properties, totaling at least 13,120 ha. In Juara (MT): Recanto Sertanejo (730 ha). In Porto dos Gaúchos (MT): Fazenda W4, areas 1, 2, 3 and 4 (1,000 ha), Fazenda VMX VII - Adãozinho and Vitória (214 ha), Fazenda VMX Ja (158 ha), Fazenda VMX IV - Palmar I (396 ha), Fazenda VMX IV - Gaúcho I (239 ha), Fazenda VMX I (900 ha), Fazenda VMX - Boa Sorte (924 ha), Fazenda Pé de Cedro (1,060 ha), Fazenda Maringá (1,328 ha), Fazenda Granada (620 ha), Fazenda Três Filhos (1,508 ha), Fazenda Coração Aberto (1,288 ha), Fazenda Cascavel (2,467 ha), Fazenda Sampaio (291 ha), Fazenda Cometa (unknown area), Fazenda São Jorge (unknown area), Fazenda VMX III - Arco Íris (unknown area), Fazenda VMX - Maringá II (unknown area)

### Supply chain links

<b>Main Commodities</b>	Beef and Soy		
<b>Confirmed supply chain link, level of certainty, and soy trader/ beef processor</b>	<b>Yes</b>	<b>High / Medium</b>	<b>JBS, Marfrig / Minerva</b>
<b>Soy</b>	<b>Main exporters</b> (municipality)	[Domestic Consumption (100%)]	
	<b>Warehouses</b> (50 km radius)	28 warehouses owned by individuals and local storage companies/cooperatives	
	<b>Supply chain links &amp; details:</b>	The property produced soy in 2021	
<b>Beef</b>	<b>Main traders</b> (municipality)	JBS (81%), Marfrig (8%), Minerva (4%), others (7%)	
	<b>Slaughterhouses</b> (sourcing from the municipality)	10 different slaughterhouses sourced cattle from Porto dos Gaúchos (MT) in 2021, e.g.: 1 owned by JBS (Juara - MT), 1 by Marfrig (Paranatinga - MT)	
	<b>Supply chain links &amp; details:</b>	Indirectly supplied cattle to 2 JBS slaughterhouses (Pedra Preta - MT and Juara - MT) and 2 Minerva slaughterhouses (Várzea Grande and Paranatinga - MT) in 2018 and 2019 through a property owned by André de Moraes Zucato (Pedra Preta - MT) and Fazenda Eilo (Juara - MT)	
<b>Other supply chain links and details:</b>		-	

### General comments

The company VMX agropecuária is active in cattle production since 2010 (1), and cite JBS and Marfrig as their direct clients (2). The owner of VMX Agropecuária is often seen in agribusiness news (3, 4, 5). The group has its own warehouse for grain storage, the VMX Armazéns Gerais (6). In September 2022, the Mato Grosso environmental state agency (SEAM - MT) issued two authorizations for deforestation and forest exploitation of 298 ha at Fazenda VMX 90 Graus in Porto dos Gaúchos (MT) (7).

(1) <http://vmxagro.com.br>

(2) <http://vmxagro.com.br/atuacao/>

(3) <https://revistavivabem.com.br/carlos-cesar-floriano-comenta-exportacao-recorde-do-agronegocio-em-janeiro-de-2022/>

(4) <https://revistasapaulosa.com.br/carlos-cesar-floriano-esta-otimista-com-a-relacao-comercial-do-agro-entre-brasil-e-ira/>

(5) <https://aprobio.com.br/noticia/pproduccedilatildeo-de-gratildeos-deve-chegar-a-2683-milhotildees-de-toneladasp>

(6) <https://www.youtube.com/watch?v=CG9xpOvV-ho>

(7) <http://transparencia.sema.mt.gov.br/#/transparencia/sistemas/simlam>



Property	
<b>Fazenda Palmares</b>	
Barreiras, Bahia	<b>Cerrado biome</b>
<b>CAR:</b> BA-2903201-A63613ECEA9E418992CF16E8CFAB740B	<b>SIGEF/SNCI:</b> 9501147215578
<b>Area property (ha):</b> 33,975	<b>Coordinates property:</b> -46.02455, -11.68089
Cleared Area	
<b>Coordinates clearance:</b>	-45.55866, -11.98095
<b>1,365 Hectares</b>	<b>period clearance:</b> September 2022
<b>57 fires alerts</b>	
<b>Inside Forest Code's protected areas:</b> Yes	685 ha inside declared Legal Reserve
<b>Type of vegetation:</b> Woody-grass Savanna	<b>Priority for Biodiversity Conservation:</b> Very high
<b>Conservation area(s) (overlapping or bordering):</b>	Overlapping the Área de Proteção Ambiental Bacia do Rio de Janeiro
<b>Indigenous Territories (overlapping or bordering):</b>	-

**Imagery:** limits of the property (blue) limits of the cleared area (red)



Source: Imagery ©2022 Planet Labs Inc.

**Part I**  
September 2022

**Fires**  
18<sup>th</sup>  
September  
2022

Source: European Union - EO Browser Copernicus Sentinel data 2022



**Part II**  
September 2022



Source: Imagery ©2022 Planet Labs Inc.

**Fire scar**  
29<sup>th</sup>  
September  
2022



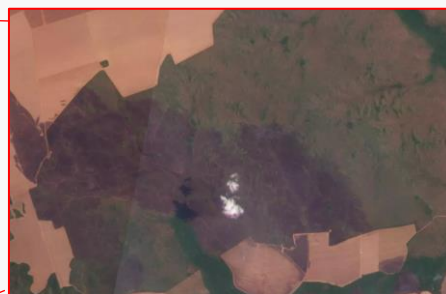
Source: Imagery ©2022 Planet Labs Inc.

Property	
<b>Fazenda Planeste</b>	
Balsas, Maranhão	<b>Cerrado biome</b>
<b>CAR:</b> MA-2101400-E97DB6D8F24348149C61D638F856E547, MA-2101400-EDF046E66031497CB2CE00F1F140A786, MA-2101400-3E63178207D24C9F99AC1DF80F815622, MA-2101400-7216B378F9EE4579BEFC0244269E672C, MA-2101400-574ED4FEDBE84C0587F59FDB5DAAFEFC	<b>SIGEF/SNCI:</b> 1090880130563
<b>Area property (ha):</b> 35,233	<b>Coordinates property:</b> -46.65706, -8.52143

Cleared Area	
<b>Coordinates clearance:</b>	-46.65443, -8.52434
<b>2,372 Hectares</b>	<b>period clearance:</b> October 2022
<b>35 fires alerts</b>	
<b>Inside Forest Code's protected areas:</b> Yes	2217 ha inside declared Legal Reserve
<b>Type of vegetation:</b> Wooded Savanna	<b>Priority for Biodiversity Conservation:</b> Extremely high
<b>Conservation area(s) (overlapping or bordering):</b> -	
<b>Indigenous Territories (overlapping or bordering):</b> Closeby Indigenous Territory Kraolândia	

**Imagery:** limits of the property (blue) limits of the cleared area (red)

October 2022

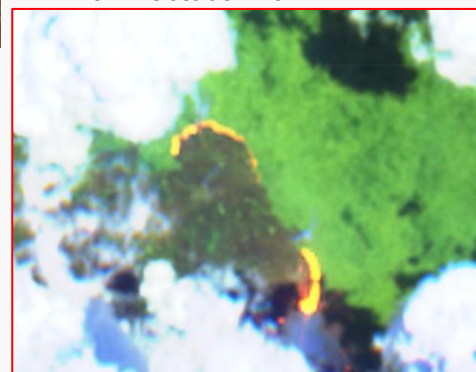


Source: Imagery ©2022 Planet Labs Inc.

**Fire scar**

05<sup>th</sup> October 2022

**Fire** 04<sup>th</sup> October 2022



Source: European Union, contains modified 2022, processed with EO Browser Copernicus Sentinel data

Source: Imagery ©2022 Planet Labs Inc.

**Fire**  
14<sup>th</sup> October 2022



Source: European Union - EO Browser Copernicus Sentinel data 2022

## Environmental fines and embargoes

<b>Embargoes:</b>	Yes (other links)	1 embargo prohibiting the activity of drying crops for a lack of an environmental permit and because it is a potential polluting activity in Balsas (MA)	
<b>Environmental fines:</b>	Yes	1 environment fine for illegal clearance of 199 ha of native vegetation in 2008 in Barreiras (BA) & 3 environmental fines: 1 for illegal clearance of 1,233 ha of native vegetation in 2008, 1 for presenting adulterated documents linked to a native vegetation clearance in 2011, and 1 for implementing potentially polluting activity without the proper authorization in 2011, all in Fazenda Planeste (Balsas - MA) - [there are other 23 environmental fines linked to SLC Agrícola]	BRL 6,400,000

## Ownership and other linked properties

<b>Company group:</b>	SLC Agrícola
<b>Linked properties:</b>	16 properties in 6 different states, reportedly totaling 474,924 ha (owned by SLC Agrícola, SLC LandCo, or leased)

## Supply chain links

<b>Main Commodities</b>	Soy, corn and cotton		
<b>Confirmed supply chain link, level of certainty, and soy trader/ beef processor</b>	<b>Yes</b>	<b>High / Low</b>	<b>Cargill, Bunge, ALZ Grãos / ADM, LDC</b>
<b>Soy (Barreiras - BA)</b>	<b>Main exporters (municipality)</b>	Bunge (40%), Amaggi (10%), [Domestic Consumption (36%)]	
	<b>Warehouses (50 km radius)</b>	129 warehouses, i.e.: 16 owned by Bunge, 1 by LDC, 1 by ADM	
	<b>Supply chain links &amp; details:</b>	SLC Agrícola's clients include Cargill, Bunge and ALZ Grãos (former Amaggi & LD Commodities)	
<b>Soy (Balsas - MA)</b>	<b>Main exporters (municipality)</b>	ALZ (36%), ADM (13%), Viterra (12%), Bunge (9%), Cargill (5%), others (25%)	
	<b>Warehouses (50 km radius)</b>	22 warehouses, i.e.: 1 owned by Bunge, 1 by Cargill	
	<b>Supply chain links &amp; details:</b>	SLC Agrícola's clients include Cargill, Bunge and ALZ Grãos (former Amaggi & LD Commodities)	
<b>Other supply chain links and details:</b>	-		

## General comments

SLC Agrícola is the largest listed soybean producer in Brazil (1). SLC Agrícola owns SLC LandCo a farmland investment joint venture with UK-based Valiance Fund (2, 3). According to SLC Agrícola's 2019 Management Report, the companies' clients include Cargill, Bunge and ALZ Grãos (former Amaggi & LD Commodities), jointly accounting for 58.1 percent of the company's net revenue (4,5). These are all companies with zero-deforestation commitments (4).

SLC Agrícola, majority owned by SLC Participações, is one of the main investors in rural real estate in Matopiba and is linked to various US and European investors, e.g. British equity investors Odey Asset Management (9.34 percent share) and Kopernik Global Investors, LLC (5.16 percent share) (2). In 2012, SLC Agrícola initiated a joint venture with Valiance Asset Management, founding SLC LandCo, that controls 86,574 ha in Matopiba region in the Brazilian Cerrado biome. Valiance holds an 18 percent share and SLC Agrícola an 82 percent share of SLC LandCo. The company is widely associated with land speculation in the region (3). Through another joint venture with Grupo Roncador, SLC Agrícola owns 20,000 ha in Querência (Mato Grosso). In a joint venture with Mitsui & Co, SLC Agrícola operates 21,898 ha in São Desidério (Bahia) and 16,213 ha in Porto dos Gaúchos (Mato Grosso) (5). SLC Agrícola exports directly through five big areas situated in four municipalities in Bahia state: Correntina, Barreiras, São Desidério (around USD 10 to 50 billion/year), Jaborandi and Formosa do Rio Preto (no more than USD 1 billion/year) (8). For 2020/2021, SLC Agrícola has an expansion plan to reach the control of 700,000 ha (7).

In 2014, the company donated BRL100,000 to the campaign of the federal deputy Jerônimo Goergen (PP-RS), one of the coordinators of the Agribusiness Parliamentary Group in the National Congress. In 2018, after private donations were banned, the owners of SLC, Eduardo Silva Logemann and Jorge Luiz Silva Logemann, respectively President and Vice-President of SLC's Board, donated BRL 25,000 each to Goergen's campaign (7). Goergen is considered one of the main agribusiness' leaders, with 29 projects for Laws against indigenous and traditional communities' rights (8).

(1) <https://www.slccagricola.com.br/en>

(2) <http://ri.slccagricola.com.br/governanca-corporativa/composicao-acionaria>

(3) <http://ri.slccagricola.com.br/publicacoes-e-documentos/apresentacoes-e-teleconferencias>

(4) <https://chainreactionresearch.com/report/slc-agricola-cerrado-deforestation-poses-risks-to-revenue-and-farmland-assets/>

(5) <https://chainreactionresearch.com/the-chain-slc-agricola-clears-1355-hectares-of-cerrado-vegetation-despite-customer-zero-deforestation-commitments/>

(6) <https://deolhonosruralistas.com.br/2018/02/21/especulacao-com-terras-no-matopiba-deixa-rastros-de-grilagem-e-violacoes-aos-direitos-humanos/>

(7) <http://www.fieb.org.br/midia/2015/6/Empresas-exportadoras.pdf>

(8) <https://www.dinheirorural.com.br/secao/capa/senhora-da-terra>

(7) <http://divulgacandcontas.tse.jus.br/>

(8) <https://deolhonosruralistas.com.br/2018/03/20/autor-do-pl-que-criminaliza-mst-e-mtst-apresentou-29-projetos-contr-povos-indigenas-e-quilombolas/>

## Property

### Fazenda São Gabriel Colheres

Baixa Grande do Ribeiro, Piauí		<b>Cerrado</b>	<b>biome</b>
<b>CAR:</b>	PI-2201150-02A77A8F99714DCBA2FB39B6E380F9B8	<b>SIGEF/SNCI:</b>	1260120069808
<b>Area property (ha):</b>	12,141	<b>Coordinates property:</b>	-45.09271, -8.50718

## Cleared Area

<b>Coordinates clearance:</b>	-45.06171, -8.44202		
<b>1,136 hectares</b>	<b>period clearance:</b>	Jun to Sep 2022	
<b>39 fires alerts</b>			
<b>Inside Forest Code's protected areas:</b>	Yes	1127 ha inside declared Legal Reserve	
<b>Type of vegetation:</b>	Wooded Savanna	<b>Priority for Biodiversity Conservation:</b>	Extremely high
<b>Conservation area(s) (overlapping or bordering):</b>		Closeby Estação Ecológica Uruçuí-Una	
<b>Indigenous Territories (overlapping or bordering):</b>		-	

**Imagery:** limits of the property (blue) limits of the cleared area (red)

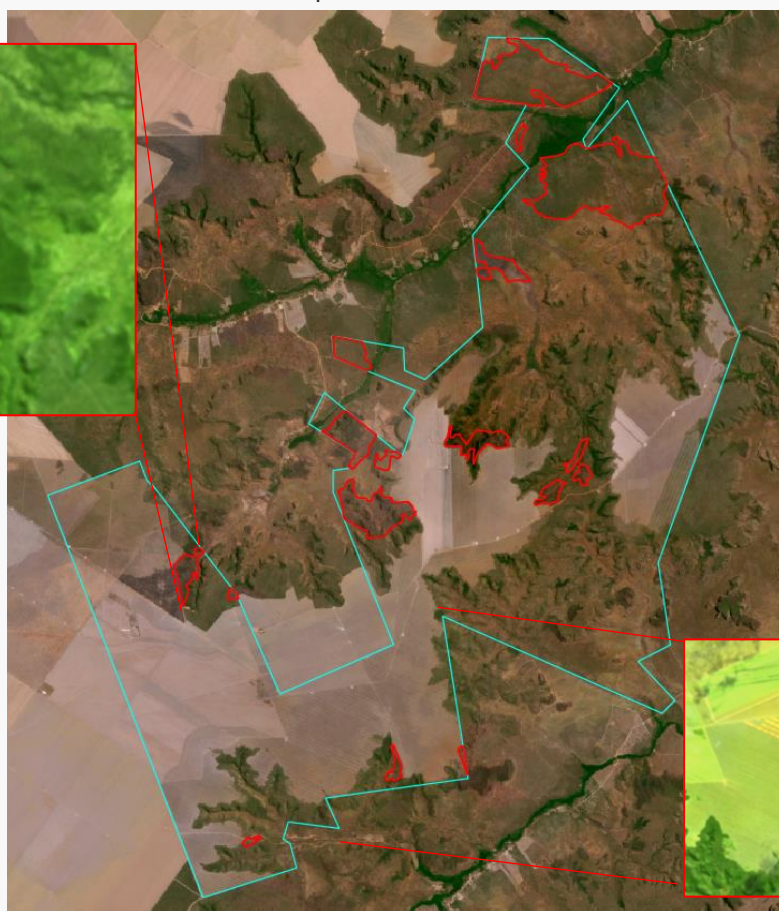
### Fires

28<sup>th</sup> July 2022

September 2022



Source: European Union, contains modified 2022, processed with EO Browser Copernicus Sentinel data



Source: Imagery ©2022 Planet Labs Inc.

### Fires

26<sup>th</sup> June 2022



Source: European Union, contains modified 2022, processed with EO Browser Copernicus Sentinel data

Environmental fines and embargoes			
Embargoes:	No	-	
Environmental fines:	No	-	-
Ownership and other linked properties			
Ownership:	InSolo		
Company group:	InSolo / Terrus		
Linked properties:	Linked properties totaling more than 120,000 ha		
Supply chain links			
Main Commodities	Soy		
Confirmed supply chain link, level of certainty, and soy trader/ beef processor	Yes	High	Bunge
Soy	Main exporters (municipality)	Risa (100%)	
	Warehouses (50 km radius)	20 warehouses, i.e.: 1 owned by Bunge	
	Supply chain links & details:	The property produced soy in 2021	
Beef	Main traders (municipality)	No data	
	Slaughterhouses (sourcing from the municipality)	No data	
	Supply chain links & details:	-	
Other supply chain links and details:	-		
General comments			
<p>Ricardo Faria bought the company InSolo in November 2021 becoming the 5th largest crop producer in Brazil with more than 120,000 hectares of crop cultivation, mainly soy (1). InSolo was the center of the scandal involving Harvard University's endowment fund. The company was linked to a series of social and environmental impact in Piauí, reported by Chain Reaction Research (2), Grain (3), and Rede (4). Fazenda Ipê is also involved in a case of land grabbing (5). InSolo had soy trading links to Bunge and Cargill (6).</p>			
<p>(1) <a href="https://exame.com/agro/apos-comprar-insolo-por-r-18-bi-ricardo-faria-e-maior-emergente-agro/">https://exame.com/agro/apos-comprar-insolo-por-r-18-bi-ricardo-faria-e-maior-emergente-agro/</a>            (2) <a href="https://chainreactionresearch.com/report/foreign-farmland-investors-in-brazil-linked-to-423000-hectares-of-deforestation/">https://chainreactionresearch.com/report/foreign-farmland-investors-in-brazil-linked-to-423000-hectares-of-deforestation/</a>            (3) <a href="https://www.grain.org/en/article/6008-o-fiasco-agricola-bilionario-da-universidade-de-TIAA/Nuven/WestChester/Radar#sdfootnote30sym">https://www.grain.org/en/article/6008-o-fiasco-agricola-bilionario-da-universidade-de-TIAA/Nuven/WestChester/Radar#sdfootnote30sym</a>            (4) <a href="https://www.social.org.br/files/pdf/PT_FINAL_PDF_TIAA/Nuven/WestChester/Radar.pdf">https://www.social.org.br/files/pdf/PT_FINAL_PDF_TIAA/Nuven/WestChester/Radar.pdf</a>            (5) <a href="https://odr.chalmers.se/bitstream/20.500.12380/300087/1/E2019_106.pdf">https://odr.chalmers.se/bitstream/20.500.12380/300087/1/E2019_106.pdf</a>            (6) <a href="https://www.aviculturaindustrial.com.br/imprensa/soja-no-mapito/20110411-085143-e131">https://www.aviculturaindustrial.com.br/imprensa/soja-no-mapito/20110411-085143-e131</a></p>			

Deforestation and fire alerts data are the starting point of the analysis for each of the case studies. After confirming the clearance of native vegetation through satellite imagery, each of the case is then analysed through the Aidenvironment database crossing data from different sources and datasets as described below. Finally, the data is validated by a local partner and a qualitative analysis of each case is developed making use of publicly available data.

### **Deforestation & Fire**

We processed deforestation alert data from the INPE/Deter program for both biomes, Amazon and Cerrado. An alternative source is the Global Forest Watch (GLAD alerts) and the Mapbiomas Alertas platforms. The fire alerts are checked in the NASA/Firms platform and processed using EO Browser Copernicus Sentinel platform. For each selected case, the deforestation is confirmed through satellite images.

### **Landownership (SIGEF/SNCI/SNCR) and the Environmental Cadastre self-declaration (CAR)**

The landownership data is from the Federal Tenure Land systems SIGEF and SNCI, crossing it with SNCR to identify the ownership. The landownership registration on local notary offices is not checked and might be different than the federal systems. The self-declaration for the Environmental Cadastre (CAR) is checked in the Federal System SICAR, including the Legal Reserves and Permanent Preservation Areas (APP) according to the Brazilian Forest Code. For some states, such as Mato Grosso and Pará, it is possible to check the CAR declarant name through the Environmental State Agencies' CAR platforms. It is important to highlight that CAR is not recognized as official ownership data.

### **Brazilian Forest Code protected areas**

*Legal Reserves* and *Permanent Preservation Areas (APP)* are defined by the Brazilian Forest Code as having mandatory conservation status on private properties. The size of *Legal Reserves* in private properties varies according to the biome [80% Amazonia biome, 35% Cerrado biome inside Legal Amazon, 20% other areas], and *Permanent Preservation Areas (APP)* are those linked to water and soil conservation areas (close to river bases, wetlands, slopes, and high hills.) The Legal Reserve and APP areas considered in this report are those self-declared within the Cadastro Ambiental Rural (CAR) system – Brazil's environmental registration system. In some cases, the CAR was also used to find information on ownership because even if it is a self-declared document, in some cases it still provides the most recent information on who is operating in a property.

### **Conservation areas and Indigenous Territories**

Conservation Areas data is from the ICMBio, responsible for monitoring and management the Officially recognized Natural Reserves according to the National System of Natural Reserves (SNUC – Sistema Nacional de Unidades de Conservação). The SNUC determines jurisdiction of the area - federal, state or local government, or private owner - and how the natural resources may be used by whom in each of the natural reserves' categories. Indigenous Territories data is from FUNAI, the National Foundation for Indigenous Populations. Indigenous Territories are officially recognized and determine areas where local Indigenous populations have customary rights to access and use the land.

### **Type of Vegetation and Priority for Biodiversity Conservation**

The type of vegetation data is from the IBGE (Brazilian Institute of Geography and Statistics) and Embrapa, consulted through the INPE website. The classification according the Priority for Biodiversity Conservation is from a study elaborated by the Brazilian Ministry of the Environment updated in 2018.

## Environmental Embargoes and Fines

Embargoed areas and Environmental fines are checked in the database form IBAMA, the Federal Environment Agency. Embargoes are areas where any kind of activity is suspended or unauthorized by IBAMA oftentimes due to environmental degradation or other crimes such as slavery labor. Properties can be removed from the list of embargoed areas after having addressed the problem. Environmental fines are usually linked to regulation infractions and are addressed to the owner of the property.

## Company Group and linked properties

Once the ownership of the property is clearly linked to an individual, we use the SINTEGRA database to check all the registered companies under this individual or group of individuals names. If the ownership is already registered by a company, we also check the corporate structure of the company through open sources websites. Once the ownership, linked companies and corporate structure are defined, we search for other properties registered under the same or similar ownership in the Federal Tenure Land systems SIGEF and SNCI.

## Level of certainty of links to soy traders and beef processors

**Soy** – *High*: trading relationship between the owner of the property and the trader is confirmed by traders or by the National Supply Company (Conab) trading subsidy programs, or traders have assets (warehouses) within the boundaries of the property; *Medium*: trading relationship with the corporate group, not necessary with the specified property is confirmed by traders or by Conab's subsidy programs; *Low*: trader is the main soy exporter in the municipality (Trase platform), or traders have assets (warehouses) within a radius of 50 km from the property.

**Cattle** - *High*: animal transportation data (GTA) confirm direct trading relationship between the property and beef processors; *Medium*: animal transportation data (GTA) confirm indirect trading relationship between the property and beef processors; *Low*: beef processor is the main meat exporter in the municipality (Trase platform), or beef processors have assets (slaughterhouse) within a radius of 50 km from the property.

## Main exporters (municipality), warehouses and slaughterhouses

The data on main soy and beef exporters per municipality is from Trase platform. Warehouses' location is from the SICARM, and slaughterhouses' location are from the Ministry of Agriculture. The municipalities' export data and companies' assets location are only an indication of a potential trading link, not being used as prove of trading links as explained in the previous item (level of certainty of links to soy traders and beef processors).

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