

October 2023

Realtime Deforestation Monitoring System 17

Special analysis of fire events



*Soy and cattle supply chains
Amazon and Cerrado Biomes - Brazil*

Updated
in
January 2024

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

The RDM 17 report of October 2023 highlights **fire events** in 8 cases, mostly linked to the soy supply chain in the Cerrado and Amazon biomes. The 8 cases present **19,003 hectares of deforestation and 1,288 fire alerts in Mato Grosso, Piauí, and Maranhão states**. The cases cover fire alerts detected in August 2023, with visually confirmed deforestation events between June and September 2023.

Together with the confirmed cleared area of native vegetation, the RDM also estimates the linked **CO₂ emissions (above-ground carbon emissions)** according to vegetation type. The 8 cases of the RDM 17 report represent a gross emission of up to **3,5 million tons of CO₂**.

The **European Union Deforestation Regulation (EUDR)** entered into force in June 2023, and this RDM report shows potentially non-compliant cases in the Amazon biome and part of the Cerrado biome.

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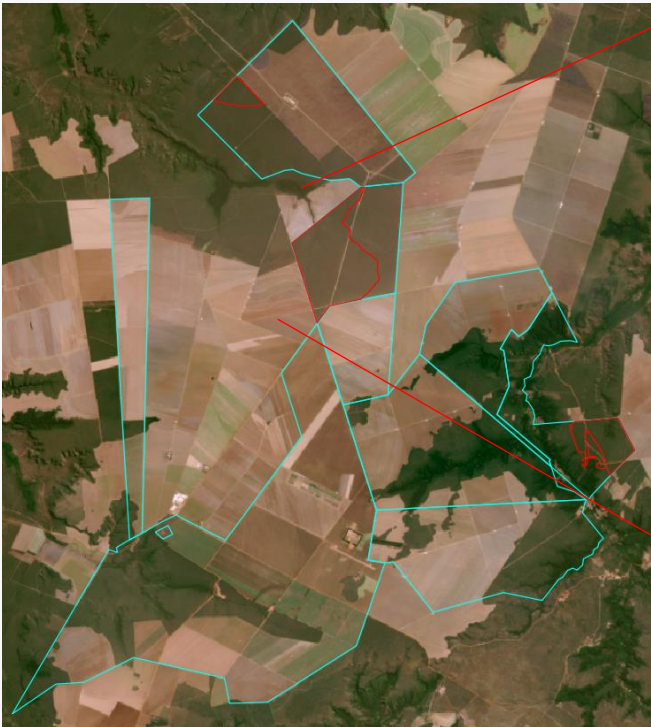
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Property			
Fazenda Parnaíba			
Tasso Fragoso, Maranhão		Cerrado biome	
CAR:	MA-2112001-A6BD459DE40F42E9BE82BCFB110AC5D5		SIGEF/SNCI: 1140650065646
Area property (ha):	48,180	Coordinates property:	-8.46321, -46.07877
Cleared Area			
Coordinates clearance:		-8.4931, -46.0618	
1,433 hectares		period clearance:	Aug to Sep 2023
71,617 tons of CO2			
40 fires alerts			
Inside Forest Code's protected areas:	Yes	1433 ha inside declared Legal Reserve and APP	
Type of vegetation:	Wooded Savanna	Priority for Biodiversity Conservation:	High
Conservation area(s) (overlapping or bordering):		-	
Indigenous Territories (overlapping or bordering):		-	
Imagery: limits of the property (green), limits of the cleared area (red)			
August 2023		September 2023	
			
Source: Imagery ©2023 Planet Labs Inc.		Source: Imagery ©2023 Planet Labs Inc.	
Fires August 2023			
Source: European Union - EO Browser Copernicus Sentinel data 2023		Processed image. Source: European Union - EO Browser Copernicus Sentinel data 2023	

Property			
Fazenda Parnaguá			
Santa Filomena, Piauí		Cerrado biome	
CAR: PI-2209203-BE90153E9BC24370B8C34DE284A6EF47		SIGEF/SNCI: 9999892332266	
Area property (ha):	20,388	Coordinates property:	-9.03930, -45.61520
Cleared Area			
Coordinates clearance:		-9.01547, -45.61922	
1,036 hectares	period clearance:	Jul to Sep 2023	
51,776 tons of CO ₂			
37 fires alerts			
Inside Forest Code's protected areas:	Yes	180 ha inside declared Legal Reserve and APP	
Type of vegetation:	Wooded Savanna	Priority for Biodiversity Conservation:	High
Conservation area(s) (overlapping or bordering):		-	
Indigenous Territories (overlapping or bordering):		-	

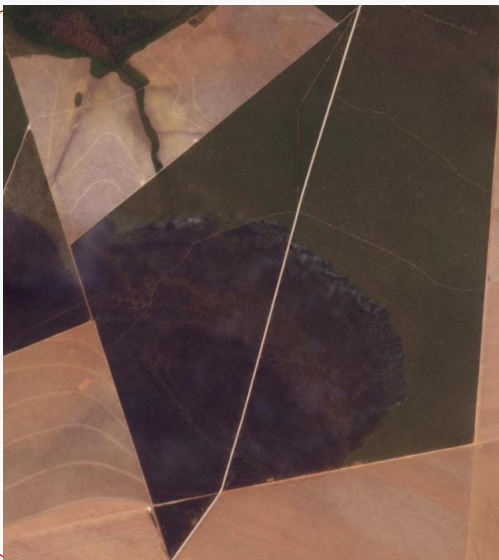
Imagery: limits of the property (green), limits of the cleared area (red)

July 2023



Source: Imagery ©2023 Planet Labs Inc.

September 2023

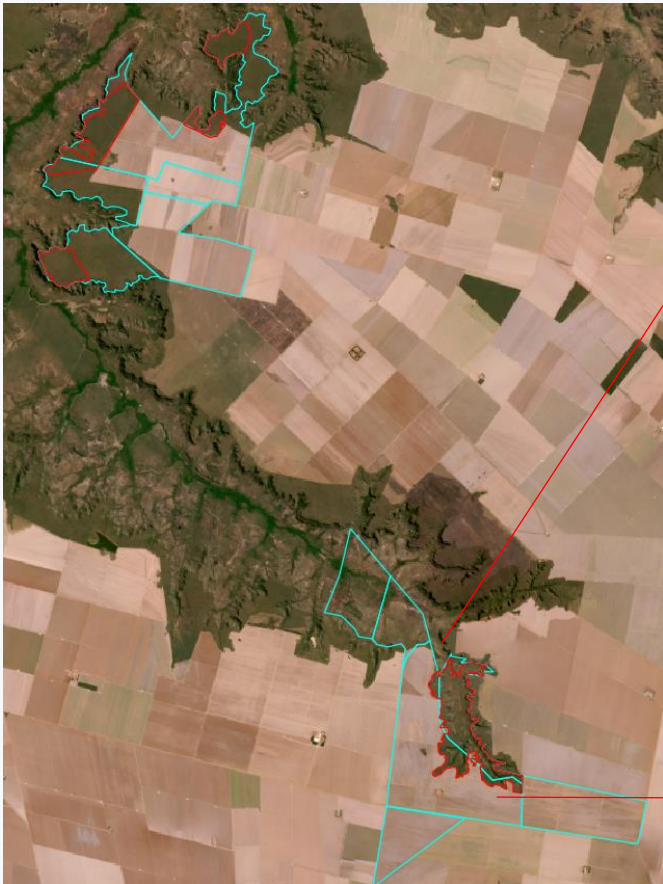



Source: European Union - EO Browser Copernicus Sentinel data 2023

Fires August 2023



Processed image.
Source: European Union - EO Browser
Copernicus Sentinel data 2023

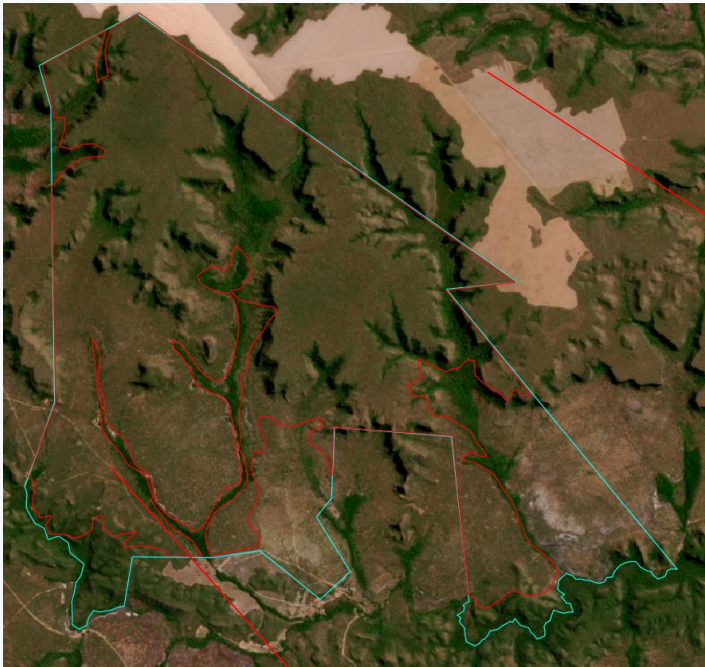

Property			
Fazenda Paineira			
Monte Alegre do Piauí, Piauí		Cerrado biome	
CAR: PI-2206605-0C883C507AE648379DFAC87D1FC6921D, PI-2201903-6A806F3A514E4CC4B31932E91208C12F		SIGEF/SNCI: 9500339870425	
Area property (ha):	11,396	Coordinates property:	-9.20873, -45.17373
Cleared Area			
Coordinates clearance:		-9.40228, -45.07139	
1,852 hectares		period clearance:	Aug to Sep 2023
92,557 tons of CO2			
33 fires alerts			
Inside Forest Code's protected areas:	Yes	1376 ha inside declared Legal Reserve and APP	
Type of vegetation:	Wooded Savanna	Priority for Biodiversity Conservation:	No
Conservation area(s) (overlapping or bordering):		-	
Indigenous Territories (overlapping or bordering):		-	
Imagery: limits of the property (green), limits of the cleared area (red)			
August 2023			
<div><div></div><div><p>Fires September 2023</p></div></div>			
Source: European Union - EO Browser Copernicus Sentinel data 2023			

Environmental fines and embargoes				
Embargoes:	Yes (other links)	2 environmental embargoes in Fazenda Planeste (Balsas - MA). One in 2011 due to engaging in the drying of grains without the necessary environmental permit while this is a potentially polluting activity, and one in 2008 due to extrapolation of the percentual area allowed by law for producing activities.		
Environmental fines:	Yes (other links)	26 fines, all on SLC agrícola linked properties: 9 fines in multiple years (1996, 2001, 2004, 2007, 2013, and 2018) in a property in Costa Rica (MS); 3 fines in 1998 in a property in Cristalina (GO); 2 fines in different years (2003 and 2007) in a property in Buriti (MA), which name is mentioned only in the 2003 fine (Fazenda Palmeira); 1 fine in 2004 in a property in Buritiana (MA); 3 fines in 2008 and 2011 in a property in Balsas (MA); 3 fines in 2015 and 2022 in a property in Barreiras (BA); 2 fines in 2017 in a property in Jaborandi (BA); 1 fine in 2017 in a property in Correntina (BA); and 1 fine in 2022 in a property in Santa Filomena (PI). Of the 26 fines mentioned, 7 were issued due to illegal native vegetation clearance, in some cases inside the permanent preservation areas of the properties, and 2 were issued due to unauthorized use of fire on vegetation.	BRL 12,586,440	
Ownership and other linked properties				
Ownership:	SLC Agrícola			
Company group:	SLC Agrícola			
Linked properties:	22 properties totaling 670,000 ha of planted area (according to the SLC Agrícola website). In Santa Filomena (PI): Fazenda Parnaguá. In Diamantino (MT): Fazenda Paiaguás, Fazenda Piracema. In São Desidério (BA): Fazenda Paladino. In Barreiras (BA): Fazenda Palmares. In Cristalina (GO) and Unaí (MG): Fazenda Pamplona. In Tasso Fragoso (MA): Fazenda Parnaíba, Fazenda Palmeira. In Correntina (BA): Fazenda Panorama, Fazenda Paysandu. In Porto dos Gaúchos (MT): Fazenda perdizes. In Formosa do Rio Preto (BA): Fazenda Parceiro. In Querência (MT): Fazenda Pioneira. In Jaborandi (BA): Fazenda Piratini. In Costa Rica (MT): Fazenda Planalto. In Balsas (MA): Fazenda Planeste. In Sapezal (MT): Fazenda Planorte. In Chapadão do Sul (MT): Fazenda Pantanal. In Campo Novo do Parecis (MT): Fazenda Pampeira. In Santa Rita do Trivelato (MT): Fazenda Pirapora. In Tabaporã (MT), Nova Canaã (MT), and Itaúba (MT): Fazenda Próspera. In Monte Alegre do Piauí (PI): Fazenda Paineira			
Supply chain links				
Main Commodities		Beef and Soy		
Confirmed supply chain link, level of certainty, and soy trader/ beef processor		Yes	High	Bunge, Cargill, LDC, JBS
Companies' reply:	Cargill [potential link maintained]: “3 cases we negotiated with the farm - we have evidence that no misconduct or illegality was conducted. 3 cases we have the farmer registered, but not the farm and no risk of triangulation identified. 2 cases the farm or farmer is already blocked in our system - for sustainability or other reasons. 2 cases have no relationship with our supply chain.”			
Soy	Warehouses (50 km radius)	25 warehouses including one from Cargill and one from Bunge		
	Supply chain links & details:	SLC Agrícola has trading links to Bunge, Cargill and LDC confirmed in their FRE V3 report of 2023		
Beef	Slaughterhouses (sourcing from the municipality)	3 different slaughterhouses sourced cattle from Tasso Fragoso (MA) in 2020, none of which was owned by JBS, Marfrig, or Minerva.		
	Supply chain links & details:	Fazenda Parnaíba directly supplied cattle to a JBS slaughterhouse (Araguaína - TO) in 2022. In the same year, it also indirectly supplied the same JBS slaughterhouse through a linked property (also owned by SLC Agrícola), Fazenda Planeste (Balsas - MA). This property, Fazenda Planeste, also directly supplied the JBS slaughterhouse mentioned in 2021.		
Other supply chain links and details:		SLC Agrícola is also active in cotton and maize production		


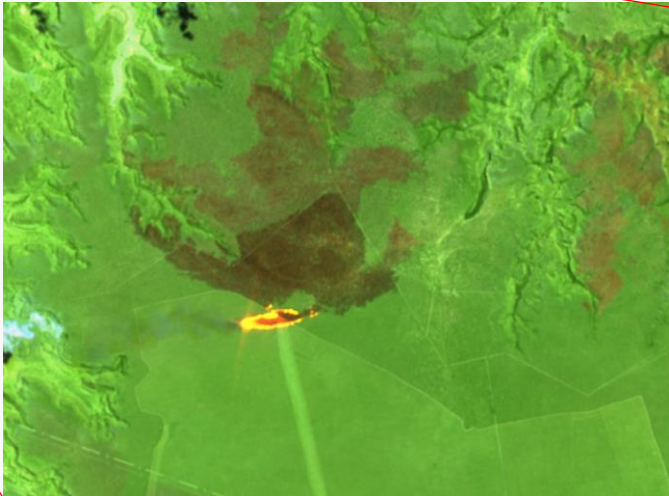
General comments

Fazenda Parnaíba was established in the 80s. In 1994, cotton was first planted on the farm as an experiment, and in the 2000s, Fazenda Parnaíba took up the farming of this crop consistently (1) (2). In 2003, the farm exported cotton to the United States for the first time (2). SLC Agrícola is the largest listed soybean producer in Brazil (3). Besides producing soy, cotton, and maize, SLC Agrícola is also dedicated to pasture farming and cattle raising, integrating crop and livestock farming into its operations (4). In 2021, SLC Agrícola incorporated the company Terra Santa Agro, adding about 145 thousand hectares of land in Mato Grosso to its portfolio, which currently counts 22 properties spread throughout 7 Brazilian states - Bahia, Piauí, Mato Grosso, Mato Grosso do Sul, Minas Gerais, Maranhão, and Goiás (5). SLC Agrícola, which is 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% share) and Kopernik Global Investors, LLC (5.16% share) (6). SLC Agrícola owns SLC LandCo, a farmland investment joint venture with UK-based Valiance Fund (6) (7). In 2012, SLC Agrícola initiated a joint venture with Valiance Asset Management, founding SLC LandCo, which controls 86,574 ha in the Matopiba region in the Brazilian Cerrado biome. Valiance holds an 18 per cent share, and SLC Agrícola an 82 per cent share of SLC LandCo. The company is widely associated with regional land speculation (7). 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) (8). According to SLC Agrícola's 2023 Reference Form, the companies' clients include Cargill (representing 30.59% of its revenue in 2022, 14.95% in 2021, and 18.96% in 2020), Bunge (representing 10.42% of its revenue in 2021 and 11.63% in 2020) and LDC (representing 14.82% of its revenue in 2021) (8). These are all companies with zero deforestation commitments (9). In 2014, SLC Agrícola donated BRL100,000 to the election 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 (10). Goergen is considered one of the main agribusiness leaders, with 29 projects about Laws and regulations against indigenous and traditional communities' rights (11). In 2023, the Dutch investment asset company Robeco excluded SLC Agrícola from their investment portfolio due to connections of the company with environmental violations (12). In November 2022, SLC Agrícola requested the Piauí Environmental Agency (SEMAR - PI) the renewal of the license for clearance of native vegetation in Fazenda Parnaguá, in Santa Filomena (PI) (13). According to documents from 2020, the property Fazenda Paineira is leased by Darsi Fritzen (14), owner of the Fritzen Agro (15) and cattle supplier of JBS (16).

- (1) <https://www.slccagricola.com.br/nossas-fazendas/fazenda-parnaiba/>
- (2) https://www.agrolink.com.br/noticias/fazenda-parnaiba-exporta-algodao-para-os-eua_9968.html
- (3) <https://www.slccagricola.com.br/en>
- (4) <https://www.comprerural.com/com-671-946-hectares-conhecias-as-fazendas-do-rei-da-soja/>
- (5) <https://varos.com.br/blog/artigo/slc-agricola-acoes>
- (6) <http://ri.slccagricola.com.br/governanca-corporativa/composicao-acionaria>
- (7) <http://ri.slccagricola.com.br/publicacoes-e-documentos/apresentacoes-e-teleferencias>
- (8) <https://api.mziq.com/mzfilemanager/v2/d/a975c39b-3eca-4ad8-9330-2c0a0b8d1060/0f6b80bf-8f2a-ee2c-e041-f0669b538b16?origin=1>
- (9) <https://chainreactionresearch.com/report/slc-agricola-cerrado-deforestation-poses-risks-to-revenue-and-farmland-assets/>
- (10) <http://divulgacandcontas.tse.jus.br/>
- (11) <https://deolhonosruralistas.com.br/2018/03/20/autor-do-pl-que-criminaliza-mst-e-mtst-apresentou-29-projetos-contra-povos-indigenas-e-quilombolas/>
- (12) <https://valor.globo.com/agronegocios/noticia/2023/01/23/gestora-exclui-slc-de-aportes-por-relatos-de-violacao-ambiental.ghtml>
- (13) http://www.diariooficial.pi.gov.br/diario/202211/TEMP01_a5ef89a42d.pdf
- (14) http://www.saude.pi.gov.br/uploads/warning_document/file/587/DIARIO02_067bdf213a.pdf
- (15) <https://www.moneytimes.com.br/todo-os-homens-do-agro-do-presidente-os-7-maiores-doadores-dos-r-12-mi-aos-r-500-mil/>
- (16) <https://www.girodobo.com.br/giro-pelo-brasil/pecuarista-viaja-mais-de-12-mil-km-para-abater-seu-gado-e-sai-no-lucro/>

Property			
Fazenda Bom Princípio			
Tasso Fragoso, Maranhão		Cerrado biome	
CAR:	MA-2100501- A975BA4507EE49718C89CB3D5EB9457D		SIGEF/SNCI: 1010440082652
Area property (ha):	2,520	Coordinates property:	-8.78820, -46.08322
Cleared Area			
Coordinates clearance:		-8.77824, -46.07908	
1,898 hectares		period clearance:	Aug to Sep 2023
94,856 tons of CO ₂			
48 fires alerts			
Inside Forest Code's protected areas:	Yes 1898 ha inside declared Legal Reserve and APP		
Type of vegetation:	Wooded Savanna	Priority for Biodiversity Conservation:	High
Conservation area(s) (overlapping or bordering):		-	
Indigenous Territories (overlapping or bordering):		-	
Imagery: limits of the property (green), limits of the cleared area (red)			
August 2023			
<div><div></div><div><p>Source: Imagery ©2023 Planet Labs Inc.</p></div><div></div><div><p>Fires September 2023</p></div><div><p>Source: European Union - EO Browser Copernicus Sentinel data 2023</p></div></div>			

Environmental fines and embargoes				
Embargoes:	No	-		
Environmental fines:	No	-	-	
Ownership and other linked properties				
Ownership:	Radar			
Company group:	Radar (Cosan, TIAA)			
Linked properties:	At least 7 other properties only in the Matopiba region, totalling 11,247 ha. In Riachão (MA): Fazenda Ribeirão do Meio (1,686 ha). In Balsas (MA): Fazenda Janaina (2,983 ha), Fazenda Preciosa (3,688 ha), Fazenda São Genaro (361 ha). In Tasso Fragoso (MA): Fazenda Brasil (922 ha), Fazenda Guadalajara (641 ha), Fazenda Santa terezinha (966 ha)			
Supply chain links				
Main Commodities	Soy			
Confirmed supply chain link, level of certainty, and soy trader/ beef processor	No	High	Bunge, Cargill	
Companies' reply:	Cargill [potential link maintained]: “3 cases we negotiated with the farm - we have evidence that no misconduct or illegality was conducted. 3 cases we have the farmer registered, but not the farm and no risk of triangulation identified. 2 cases the farm or farmer is already blocked in our system - for sustainability or other reasons. 2 cases have no relationship with our supply chain.”			
Soy	Warehouses (50 km radius)	26 warehouses including 7 from SLC Agrícola		
	Supply chain links & details:	-		
Beef	Slaughterhouses (sourcing from the municipality)	3 different slaughterhouses sourced cattle from Tasso Fragoso (MA) in 2020, none of which was owned by JBS, Marfrig, or Minerva.		
	Supply chain links & details:	-		
Other supply chain links and details:		-		
General comments				
<p>Radar was initially founded as a joint venture between Mansilla Participações and Cosan (a Brazilian Energy company with a joint venture with Shell - Raízen). Mansilla Participações is one of the 14 subsidiaries of TIAA (Teachers Insurance and Annuity Association of America - College Retirement Equities Fund, formerly TIAA-CREF) (1, 2). TIAA farmland portfolio management has links to Nuven and Westchester (2). Radar and its subsidiaries have trading links to Bunge and Cargill (3, 4), mainly through the leasing of its properties to big soy producers such as SLC Agrícola (2). TIAA has also been linked to CODECA, owned by the De Carli family, a known land grabber in the Matopiba region (2). The local Agrarian Court estimates that 300,000 ha of land in Maranhão and Piauí states are linked to De Carli's land-grabbing crimes and also accused of violence and threats connected to invasions of lands occupied by local communities (5, 6, 7, 8). TIAA manages the TCGA farmland investment vehicles, which include in its portfolio of investors global pension fund companies such as AP2 (Sweden), BCI (Canadá), and ABP (Netherlands) among others (2). The estimated land portfolio linked to TIAA (through Radar and other subsidiaries) is about 15 properties in Maranhão, Piauí and Bahia states, totalling at least 95 thousand hectares, among which at least nine properties (around 28 thousand hectares) are leased to SLC Agrícola (2). The CAR that covers Fazenda Bom Princípio, under analysis, also covers Fazenda Palmeira, operated by SLC Agrícola (9, 10). This indicates that Radar might be leasing Fazenda Bom Princípio to SLC Agrícola. For other information about SLC Agrícola, please check Case 1 of the present report.</p> <p>(1) https://www.social.org.br/files/pdf/PT_FINAL_PDF_TIAA/Nuven/WestChester/Radar.pdf (2) https://chainreactionresearch.com/wp-content/uploads/2020/01/Radar-company-report-2.pdf (3) https://www.aviculturaindustrial.com.br/imprensa/soja-no-mapito/20110411-085143-e131 (4) https://odr.chalmers.se/bitstream/20.500.12380/300087/1/E2019_106.pdf (5) https://jornaldebrasil.com.br/noticias/brasil/alvo-de-pistoleiros-juiz-faz-cruzada-solitaria-contra-grileiros/ (6) https://reporterbrasil.org.br/2018/09/empresario-euclides-de-carli-acusado-mortes-roubo-terras-nordeste/ (7) https://www.nytimes.com/2015/11/17/world/americas/tiaa-cref-us-investment-giant-accused-of-land-grabs-in-brazil.html (8) https://apublica.org/2023/05/cosan-e-fundo-de-pensao-dos-eua-compraram-terras-de-acusados-de-grilagem-no-brasil/ (9) https://www.slacagricola.com.br/nossas-fazendas/ (10) SICAR - https://www.car.gov.br</p>				

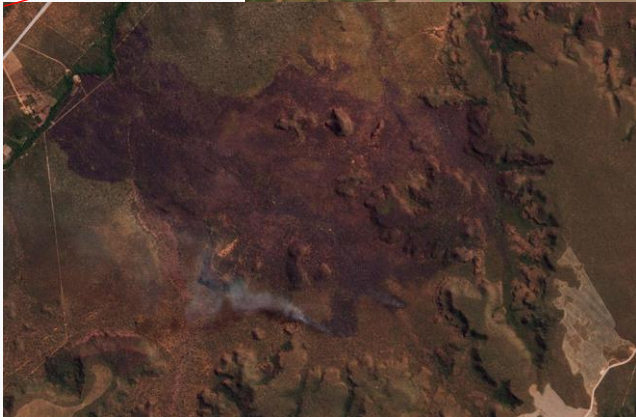

Property			
Fazenda Serra Branca I			
Uruçuí, Piauí		Cerrado biome	
CAR:	PI-2211209-8B52C1FADFBE41BFA9EAF55343781725, PI-2211209-75DE5DB2C4E64C64BAE21D187847D2EB, PI-2211209-2A813604B80945B187BAAADD46BA654B		SIGEF/SNCI: 1280310080604
Area property (ha):	103,429	Coordinates property:	-7.82428, -44.69737
Cleared Area			
Coordinates clearance:		-8.1538, -44.7851	
5,330 hectares	period clearance:	Jun to Sep 2023	
266,376 tons of CO2			
377 fires alerts			
Inside Forest Code's protected areas:	Yes	620 ha inside declared Legal Reserve	
Type of vegetation:	Wooded Savanna	Priority for Biodiversity Conservation:	No
Conservation area(s) (overlapping or bordering):		-	
Indigenous Territories (overlapping or bordering):		-	
Imagery: limits of the property (green), limits of the cleared area (red)			
June 2023			
		Fires September 2023	
			
Source: Imagery ©2023 Planet Labs Inc.			
Processed image. Source: European Union - EO Browser Copernicus Sentinel data 2023			

Environmental fines and embargoes				
Embargoes:	Yes (other links)	2 environmental embargoes, on the name of Francisco Roberto Tomazini, have been issued for other properties linked to Serra Branca Agrícola and Grupo Tomazini. One embargo in 2009 in Fazenda Ponte de Pedra (Ipameri - GO) and one embargo in 2022 in Fazenda Santa Clara IX (Ipameri - GO), suspending all activities in the embargoed area that could harm the recovery of native vegetation.		
Environmental fines:	Yes (other links)	2 environmental fines, both in a linked property in Ipameri (GO): One fine in 2009 for illegal clearance of 6,5 hectares of native vegetation and one in 2018 for breaching the embargo issued in 2009.	BRL 16,500	
Ownership and other linked properties				
Ownership:	Serra Branca Agrícola			
Company group:	Grupo Tomazini comprises several companies, such as Serra Branca Agrícola (Uruçuí - PI), Nutrizo Agroindustrial de Alimentos, Agropecuária Tomazini, Olvego - Óleos Vegetais de Goiás, Agropecuária Santa Maria Agrícola, Agropecuária Água Fria (Sandolândia - TO), Agropecuária Ipuá Goiás, Agropecuária e Avicultura Santa Clara, and other 24 companies all registered in Goiás or in Uruçuí (PI)			
Linked properties:	7 other properties totaling 30,272 ha. All in Uruçuí - PI: Fazenda Planalto do Uruçuí (26,297 ha), Fazenda Fortuna (1,690 ha), Fazenda Pinheiro (476 ha), Fazenda Gameleira (569 ha), Fazenda Água Branca II (960 ha), Fazenda Nova ou Bonita / Part 1 (200 ha) and Fazenda Berwanger II - Part 2 (80 ha)			
Supply chain links				
Main Commodities	Soy			
Confirmed supply chain link, level of certainty, and soy trader/ beef processor		Yes	Medium	Bunge, JBS
Soy	Warehouses (50 km radius)	25 warehouses including one from Bunge		
	Supply chain links & details:	-		
Beef	Slaughterhouses (sourcing from the municipality)	4 different slaughterhouses sourced cattle from Uruçuí (PI) in 2019, none of which was owned by JBS, Marfrig, or Minerva.		
	Supply chain links & details:	A linked property - Fazenda São José (Urutaí - GO) - directly supplied cattle to a JBS slaughterhouse in Senador Canedo (GO) from 2020 to 2022 and to a Friboi slaughterhouse (part of the JBS group) in Goiânia (GO) in 2021 and 2022. Fazenda Buritizal, another linked property, also directly supplied cattle to the same Friboi slaughterhouse in 2019. Both Fazenda Buritizal and Fazenda Boavista (another linked property) have indirectly supplied cattle, through Fazenda Eldorado (Pires do Rio - GO) to a Minerva slaughterhouse (Palmeiras de Goiás - GO) from 2018 to 2023, to a JBS slaughterhouse (Senador Canedo - GO) from 2019 to 2022, and a Friboi slaughterhouse (Goiânia - GO) from 2018 to 2022.		
Other supply chain links and details:		-		

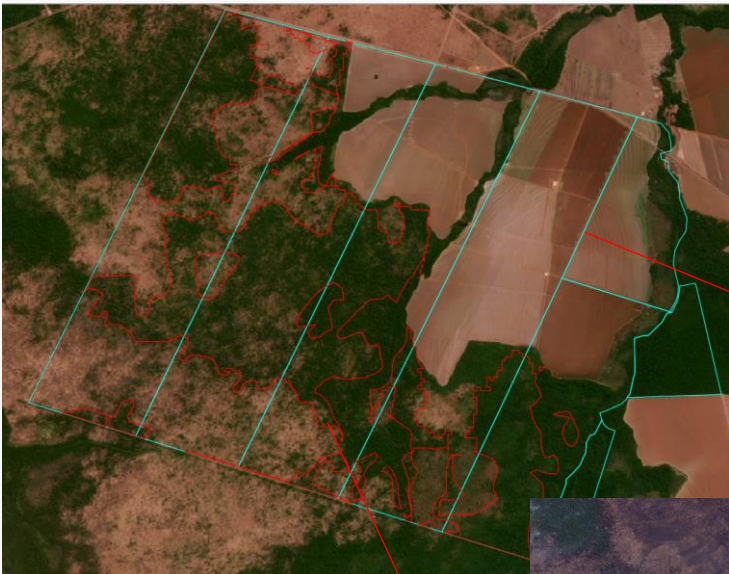

General comments

Fazenda Serra Branca I was already included in RDM report 2 (1), together with Fazenda Esplanada, and at the time, the case study revealed that 2,416 hectares of native vegetation had been cleared, of which 396 hectares were cleared inside a declared legal reserve area according to the CAR declaration of the property (mandatory by the Brazilian Forest Code). Serra Branca Agrícola is a project of Grupo Tomazini, Nutriz/Friato, for integrated operations in Uruçuí, Piauí (2). The agro-industrial complex comprises corn and soy production, feeding industry, warehouses and poultry slaughterhouses. Nutriz/Friato has 30,000 hectares of soy plantations and 20,000 hectares of corn plantations (3). These plantations feed 35,000 animals in 500 aviary farms (4). The brand Friato Alimentos has a wide range of poultry, charcuterie, dairy, and frozen vegetable products, of which the fresh and frozen poultry products are also exported to Asia, Africa, the Middle East, and Russia (5) (6). The Tomazini Group has been associated with illegal land grabbing (grilagem) by having acquired lands in Piauí from João Batista Fernandes (known as 'JB'), an alleged land grabber known in the Matopiba region (7) (8). The deal of BRL 80 million was done in 2017 through JB's company, Terra Imóveis (7). There is also an active lawsuit against Serra Branca Agrícola filed by José Maria Martins de Sousa, in which he declares that an inherited farm from his parents was illegally occupied by Serra Branca Agrícola crop plantations (9). Tomazini's family, from Ipuã in São Paulo, started investing in farmlands in the 1980s through the company Agropecuária Ipuã. The family expanded its operations through Nutriz/Friato Alimentos in Pires do Rio (GO), Fazenda Santa Maria in Caldas Novas (GO), Armazéns Gerais Ipuã in Ipameri (GO) and Serra Branca Agrícola in Uruçuí (PI). In 2016, the group announced an investment of BRL 1 billion in its operations in Piauí, which included establishing a chicken slaughterhouse plant in partnership with Mitsubishi (10) (11), apparently not yet completed. From 1995-1999, Francisco Roberto Tomazini, the CEO of Grupo Tomazini, was state deputy in Goiás (12). His wife, Cida Tomazini was mayor for three mandates of Pires do Rio (GO), where Friato Alimentos is headquartered. In 2020, she was a candidate for the municipal elections for the fourth time (13). In 2022, the Federal Police concluded an investigation against José Mario Tomazini for environmental damage in Uruçuí (PI), with a possible fine of more than BRL 81 million due to unauthorized deforestation at the Serra Branca farm in 2014 (14). The state Courts are still analysing the case.

- (1) https://www.aidenvironment.org/wp-content/uploads/2022/05/LIFE_RDM_Report_2_April2022.pdf
- (2) <https://www.youtube.com/watch?v=4zEthCu691M>
- (3) <https://www.jornalopcao.com.br/ultimas-noticias/presidente-da-friato-diz-que-o-brasil-precisa-de-um-lider-como-marconi-perillo-119381/>
- (4) <https://revistagloborural.globo.com/Colunas/melhores-do-agronegocio/noticia/2018/10/mercado-ampliado.html>
- (5) <https://www.friato.com.br/br/produtos/c/exportacao>
- (6) https://www.youtube.com/watch?time_continue=232&v=rT212zLacsU&feature=emb_logo
- (7) http://www.mightyearth.org/wp-content/uploads/Rapid-Response_Soy-and-Cattle_Report-11.pdf
- (8) <https://deolhonosruralistas.com.br/2021/04/08/fazendeiro-vende-terras-fraudadas-para-exportador-de-aves-e-ambos-desmatam-no-matopiba/>
- (9) <https://ti-pi.jusbrasil.com.br/jurisprudencia/340154801/agravo-de-instrumento-ai-5263820158180042-pi-201600010033001/inteiro-teor-340154812?ref=serp>
- (10) <https://180graus.com/pedro-alcantara/grupo-promete-investir-r-1-bilhao-e-gerar-3-mil-empregos-diretos-no-piaui>
- (11) <https://cidadeverde.com/noticias/230545/japao-pode-investir-r-1-bilhao-em-abate-de-aves-no-piaui>
- (12) <https://portal-legado.al.go.leg.br/deputado/perfil/deputado/1607>
- (13) <https://diariodegoias.com.br/pre-candidata-em-pires-do-rio-cida-tomazini-se-filia-ao-podemos/>
- (14) <https://www.gp1.com.br/pi/piaui/noticia/2022/11/26/fazendeiro-entra-na-mira-da-pf-por-dano-ambiental-de-r-81-milhoes-no-piaui-538635.html>

Property			
Fazenda São Gabriel & Fazenda Colheres			
Baixa Grande do Ribeiro, Piauí		Cerrado	biome
CAR: PI-2201150-02A77A8F99714DCBA2FB39B6E380F9B8		SIGEF/SNCI: 1280150087453	
Area property (ha):	39,074	Coordinates property:	-8.50718, -45.09271
Cleared Area			
Coordinates clearance:		-8.4823, -45.0707	
3,634	hectares	period clearance:	Jul to Sep 2023
181,615	tons of CO2		
94	fires alerts		
Inside Forest Code's protected areas:	Yes	3120 ha inside declared Legal Reserve and APP	
Type of vegetation:	Wooded Savanna	Priority for Biodiversity Conservation:	Extremely high
Conservation area(s) (overlapping or bordering):		-	
Indigenous Territories (overlapping or bordering):		-	
Imagery: limits of the property (green), limits of the cleared area (red)			
July 2023			
<div><div><div>Fires August 2023</div><div></div><div>Source: European Union - EO Browser Copernicus Sentinel data 2023</div></div><div></div><div>Source: Imagery ©2023 Planet Labs Inc.</div></div>			

Environmental fines and embargoes				
Embargoes:	Yes	1 environmental embargo linked to Aliomar Sousa dos Santos in 2015 in Fazenda Colheres (Baixa Grande do Ribeiro - PI) due to illegal clearance of 10,851 hectares of native vegetation in the legal reserve area of the property.		
Environmental fines:	Yes	1 environmental fine in Fazenda Colheres (Baixa Grande do Ribeiro - PI) due to illegal clearance of 10,851 hectares of native vegetation in the legal reserve area of the property (the fine is linked to Aliomar Sousa dos Santos).	BRL 54,256	
Ownership and other linked properties				
Ownership:	Ipê Agroindustrial			
Company group:	InSolo			
Linked properties:	Other 5 properties, totaling 58,207 ha. In Santa Filomena (Piauí): Fazenda Nazare (11,234 ha); Fazenda Fortaleza (9,333 ha). In Baixa Grande do Ribeiro (Piauí): Fazenda Cerro Azul (16,446 ha). In Ribeiro Gonçalves (Piauí): Fazenda Serra Grande (6,670 ha). In Palmeira do Piauí (Piauí): Fazenda Vista Verde (14,524 ha)			
Supply chain links				
Main Commodities	Soy			
Confirmed supply chain link, level of certainty, and soy trader/ beef processor	Yes	Medium	Bunge, Cargill	
Companies' reply:	Cargill [potential link maintained]: “3 cases we negotiated with the farm - we have evidence that no misconduct or illegality was conducted. 3 cases we have the farmer registered, but not the farm and no risk of triangulation identified. 2 cases the farm or farmer is already blocked in our system - for sustainability or other reasons. 2 cases have no relationship with our supply chain.”			
Soy	Warehouses (50 km radius)	26 warehouses including one from Bunge		
	Supply chain links & details:	-		
Beef	Slaughterhouses (sourcing from the municipality)	2 different slaughterhouses sourced cattle from Baixa Grande do Ribeiro (PI) in 2019, none of which was owned by JBS, Marfrig, or Minerva.		
	Supply chain links & details:	-		
Other supply chain links and details:		-		
General comments				
Fazenda São Gabriel and Fazenda Colheres, which are part of Ipê Agroindustrial and Fazenda Ipê, were already part of case studies included in the RDM reports 4 and 7, from August 2022 and November 2022 respectively (1) (2). Ricardo Faria bought the company InSolo in November 2021, becoming Brazil's 5th largest crop producer with more than 120,000 hectares of crop cultivation (mainly soy) (3). InSolo was the centre of the scandal involving Harvard University's endowment fund. The company was linked to a series of social and environmental impacts in Piauí, which was reported by Chain Reaction Research (4), Grain (5), and Rede (6). Fazenda Ipê is also involved in a case of land grabbing (7). InSolo had soy trading links to Bunge and Cargill (8, 9).				
(1) https://aidenvironment.org/wp-content/uploads/2022/08/Annex_4_LIFE_RDM_Report_4_Aug2022_UPDATED_Dec22-1.pdf (2) https://aidenvironment.org/wp-content/uploads/2022/11/LIFE_RDM_Report_7_Nov_2022_UPDATED-1.pdf (3) https://exame.com/agro/apos-comprar-insolo-por-r-18-bi-ricardo-faria-e-maior-emergente-agro/ (4) https://chainreactionresearch.com/report/foreign-farmland-investors-in-brazil-linked-to-423000-hectares-of-deforestation/ (5) https://www.grain.org/en/article/6008-o-fiasco-agricola-bilionario-da-universidade-de-TIAA/Nuven/WestChester/Radar#sdfootnote30sym (6) https://www.social.org.br/files/pdf/PT_FINAL_PDF_TIAA/Nuven/WestChester/Radar.pdf (7) https://odr.chalmers.se/bitstream/20.500.12380/300087/1/E2019_106.pdf (8) https://www.aviculturaindustrial.com.br/imprensa/soja-no-mapito/20110411-085143-e131 (9) https://reporterbrasil.org.br/2023/05/bunge-promete-desmame-zero-em-2025-mas-seus-fornecedores-derrubaram-11-mil-hectares-de-cerrado-em-2-anos/				

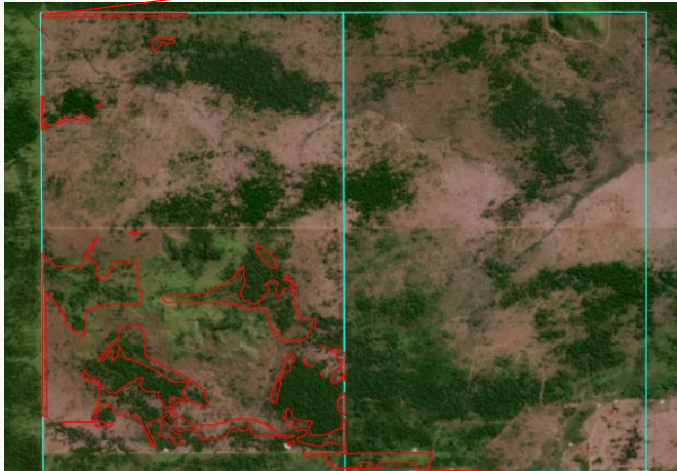


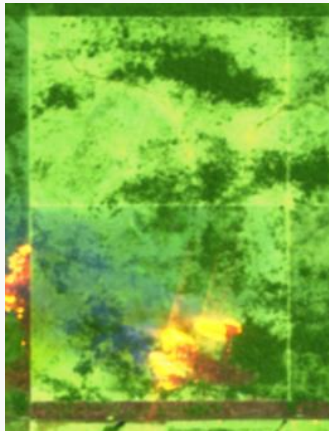
Property			
Fazenda Junqueira (1 to 6)			
Paranatinga, Mato Grosso		Amazon biome	
CAR:	MT-5106307-D223738417C549C88A368CC8C43C6A8E, MT-5106307-DC5509336BE24937A1E0EE64484DE6B8, MT-5106307-17386FB50A2249F98E054696A2A8DEBF		SIGEF/SNCI: 9500682030416
Area property (ha):	7,386	Coordinates property:	-13.30647,-54.33395
Cleared Area			
Coordinates clearance:		-13.30756,-54.35109	
2,100 hectares	period clearance:	Jul to Sep 2023	
1,733,543 tons of CO2			
243 fires alerts			
Inside Forest Code's protected areas:	Yes	2079 ha inside declared Legal Reserve	
Type of vegetation:	Contact between Ombrophilous Forest (rainforest) and Seasonal Forest	Priority for Biodiversity Conservation:	High
Conservation area(s) (overlapping or bordering):		-	
Indigenous Territories (overlapping or bordering):		-	
Imagery: limits of the property (green), limits of the cleared area (red)			
July 2023			
<div><div></div><div><p>Source: Imagery ©2023 Planet Labs Inc.</p></div><div><p>Fires August 2023</p></div></div>			
Source: European Union - EO Browser Copernicus Sentinel data 2023			

Environmental fines and embargoes				
Embargoes:	Yes	One environmental embargo has been issued for Fazenda Junqueira I (reason and date undisclosed).		
Environmental fines:	Yes	1 environmental fine in Fazenda Junqueira, registered under the name of Eduardo Nery Fuganti, due to illegal clearance of 876 hectares of native vegetation in June 2023.	BRL 4,378,950	
Ownership and other linked properties				
Ownership:	Eduardo Nery Fuganti / José Roberto Patrício / Ki-grão Transportes e Serviços / Sérgio Mitio Sato			
Company group:	Grupo Fuganti comprises six companies: AgroDivel (headquarters in Campos Novos - SC and several branches in the same state), AgroFuganti (Joaçaba - SC), Fuganti - Advocacia e Assessoria Jurídica (), Posto F & G (), Transportes Trinidad (Joaçaba - SC, Primavera do Leste - MT), and Erva Mate Jaborá (). Besides the Group companies, other ten companies are linked to family members: Fuganti Turismo e Empreendimentos Imobiliários (several branches in Santa Catarina state), Fuganti Alimentos (Joaçaba - SC), Joaçaba Auto (Joaçaba - SC), Javali Energética (Ponte Serrada - SC), Fuganti administradora de consórcios (Joaçaba - SC), Nery Fuganti e Cia (Joaçaba - SC; Campo Grande - MS), Agrofrutas Transportes e Comércio de Frutas (Fraiburgo - SC), Link Empreendimentos (Joaçaba - SC), Jc Fuganti Construtora e Incorporadora (Guarulhos - SP), and Divel Imóveis (Joaçaba - SC).			
Linked properties:	14 other properties, totalling 22,158 ha. In Primavera do Leste (MT): Fazenda Cruz Alta I (330 ha). In General Carneiro (MT): Fazenda Alvorada (2,870 ha), Fazenda Bonanza (402 ha), Fazenda Capão da Cidade (404 ha), Fazenda Cláudio (5,310 ha), Fazenda Duas Lagoas (392 ha), Fazenda Estância Velha (417 ha), Fazenda Ouro Branco (1,706 ha), Fazenda Ouro Verde (400 ha), Fazenda Pindaibão (422 ha), Fazenda Santa Catarina (4,606 ha), Fazenda Santo Antônio (1,390 ha), Fazenda São Francisco (884 ha), Fazenda Santa Natalina (2,625 ha)			
Supply chain links				
Main Commodities		Soy		
Confirmed supply chain link, level of certainty, and soy trader/ beef processor		Yes	Medium	Bunge, JBS
Companies' reply:	Marfrig [potential link removed]: "Marfrig has discontinued its operations at Paranatinga facility (Mato Grosso state) in March 2019. Marfrig does not have a record regarding the informed CAR (Fazenda Junqueira) (...) [and] does not have any of the mentioned suppliers registered in its database.			
Soy	Warehouses (50 km radius)	13 warehouses including 1 owned by Bunge		
	Supply chain links & details:	In 2019, the linked property Fazenda Santo Antônio (General Carneiro-MT), owned by José Roberto Patrício, supplied soybeans to Agrícola Alvorada		
Beef	Slaughterhouses (sourcing from the municipality)	12 different slaughterhouses sourced cattle from Paranatinga (MT) in 2021, of which 5 owned by JBS (Água Boa, Barra do Garças, Colider, Diamantino, and Pedra Preta - all in MT), 2 owned by Marfrig (Paranatinga and Nova Xavantina - both in MT), and 1 owned by Minerva (Várzea Grande - MT).		
	Supply chain links & details:	Eduardo Nery Fuganti, through an unknown property located in General Carneiro (MT), directly supplied a JBS slaughterhouse (Pedra Preta - MT) in 2019. Two linked properties, Fazenda Cruz Alta I (Primavera do Leste - MT) and Fazenda São Luiz (Barão de Melgaço - MT), directly supplied the same JBS slaughterhouse (Pedra Preta - MT), both in 2018. Another linked property, Fazenda Edu (General Carneiro - MT), indirectly supplied a Marfrig slaughterhouse (Paranatinga - MT) and a JBS slaughterhouse (Barra do Garças - MT) through Fazenda Cedro Verde (General Carneiro - MT) in 2018. In addition, Fazenda Edu also indirectly supplied the JBS slaughterhouse in Pedra Preta (MT) through Fazenda Cruz Alta I (Primavera do Leste - MT) in 2018.		
Other supply chain links and details:		-		

General comments

Nery Fuganti founded Grupo Fuganti in the 1950s. The group is mostly active in agribusiness (1, 2). Group Fuganti was restructured and is currently under Eduardo Nery Fuganti's management (the son of Nery Fuganti, deceased in 2017) (1, 2, 3). The group encompasses six companies and a philanthropic foundation (Fundação Nery Fuganti) (4). Eduardo Nery Fuganti, Cássia Cristina Bevilacqua Fuganti Pereira, Carlos Roberto Fuganti, João Carlos Fuganti, Sayonara Desiré Fuganti, and José Carlos Fuganti are all siblings, and several of them are involved in Grupo Fuganti's activities through its different companies (5). Nery Fuganti's current and previous wives - Clemes Maria Bevilacqua and Maria Terezinha Fuganti - were and are still partners in some of the companies started by Nery (6). The main economic activity of Agro Fuganti, one of the companies owned by the Fuganti Group, is soy farming, while cattle raising and maize farming are registered as secondary activities (7). Agro Dível, also a Fuganti Group company, is the largest agricultural machinery dealer in Santa Catarina and the state's main dealership of the New Holland brand (8). In 2020, a Court decision maintained the auction of Fazenda Junqueira 4, keeping its ownership registered under the names of Cassia Cristina Bevilacqua Fuganti, Clemes Maria Bevilacqua and Eduardo Nery Fuganti (9).

- (1) http://grupofuganti.com.br/sobre_nos/
- (2) <https://ederluiz.com.vc/morre-nery-fuganti-patriarca-da-familia-e-fundador-do-grupo-joauto-de-joacaba>
- (3) <http://genealogia.fuganti.net.br/fuganti/pafg17.htm>
- (4) <http://grupofuganti.com.br/empresas-do-grupo/>
- (5) <http://genealogia.fuganti.net.br/fuganti/pafg17.htm>
- (6) <http://genealogia.fuganti.net.br/fuganti/pafg17.htm>
- (7) <https://cnpj.biz/48115436000152>
- (8) <http://www.agrodivel.com.br/empresa.php>
- (9) <https://www.iusbrasil.com.br/jurisprudencia/tj-mt/1124570401/inteiro-teor-1124570406>

Property			
Fazenda Seringal Hévia (Fazenda Colorado, Fazenda Califórnia)			
Santa Terezinha, Mato Grosso		Amazon biome	
CAR:	MT-5107776-6055F48FF1C041019DFF245D987BB1BA		SIGEF/SNCI: 9011801058307
Area property (ha):	5,028	Coordinates property:	-10.37430,-50.80697
Cleared Area			
Coordinates clearance:		-10.35784,-50.82994	
180 Hectares	period clearance:	Jun to Aug 2023	
284,160 tons of CO2			
137 fires alerts			
Inside Forest Code's protected areas:	Yes	150 ha inside declared Legal Reserve and APP	
Type of vegetation:	Contact between savanna and seasonal forest	Priority for Biodiversity Conservation:	High
Conservation area(s) (overlapping or bordering):		-	
Indigenous Territories (overlapping or bordering):		-	
Imagery: limits of the property (green), limits of the cleared area (red)			
June 2023		Fires August 2023	
			
Source: Imagery ©2023 Planet Labs Inc.		Source: European Union - EO Browser Copernicus Sentinel data 2023	
			
		Processed image? Source: European Union - EO Browser Copernicus Sentinel data 2023	

Environmental fines and embargoes				
Embargoes:	Yes	1 embargo due to illegal deforestation of 1,072 hectares at Fazenda Colorado in 2020		
Environmental fines:	No	-	-	
Ownership and other linked properties				
Ownership:	Araguaia Hevea S/A			
Company group:	4 other companies linked to José Amaral Possato and/or Roberto Amaral Possato, besides Araguaia Hevea S/A (with branches in Belém - PA and Santa Terezinha - MT): Cone Consultoria de Negócios S/C (Embu Das Artes - SP), Coneg Serviços Editoriais e Informática (São Paulo - SP), Fsc Serviços Administrativos (São Paulo - SP), Possatto Consultoria Imobiliária (São Paulo - SP). CAPOV Empreendimentos Agropecuários, owned by the Assunção Pinto Abbud family, is the declarant of the CAR that covers the reported deforested area and is registered in São José do Rio Preto (São Paulo)			
Linked properties:	No other linked property found			
Supply chain links				
Main Commodities		Soy		
Confirmed supply chain link, level of certainty, and soy trader/ beef processor		Yes	-	-
Soy	Warehouses (50 km radius)	8 warehouses owned by individuals and local storage companies/cooperatives		
	Supply chain links & details:	-		
Beef	Slaughterhouses (sourcing from the municipality)	5 different slaughterhouses sourced cattle from Santa Terezinha (MT) in 2021, of which 3 owned by JBS (Água Boa, Barra do Garças, and Confresa - all in MT) and 1 owned by Marfrig (Nova Xavantina - MT).		
	Supply chain links & details:	-		
Other supply chain links and details:		-		
General comments				
<p>The reported deforestation area is covered by CAR declarations by CAPOV Empreendimentos Agropecuários and Gustavo Gomes Polotto (Fazenda Colorado). Other documents from the Environmental Agency of Mato Grosso (SEMA – MT) also show that Fazenda California - also operated by CAPOV Empreendimentos Agropecuários – covers another part of Fazenda Seringal Hévia (1). Gustavo Gomes Polotto is the lawyer of Juliano Cunha de Assunção Pinto (2), one of the owners of CAPOV Empreendimentos Agropecuários (3). In June 2023, CAPOV Empreendimentos Agropecuários was approved to renew its final logging authorization for 116m³ of wood at Fazenda Califórnia (Santa Terezinha - MT) (4). In 2006, Araguaia Hevia S/A figured in the list of slave labour in Brazil (“lista suja”) with the rescue of 87 workers at Fazenda Ouro Branco (Santa Terezinha – MT) (5).</p>				
<p>(1) https://geoportal.sema.mt.gov.br/#/ (2) https://www.jusbrasil.com.br/processos/27710351/processo-n-000XXX-0420145230126-do-trt-23 (3) https://solucoes.receita.fazenda.gov.br/servicos/cnpjreva/cnpjreva_solicitacao.asp (CNPJ: 07.652.588/0001-07) (4) Undisclosed source (5) https://webcache.googleusercontent.com/search?q=cache:bbGgzOW2y1UJ:https://reporterbrasil.org.br/documentos/2006.xls&hl=pt-BR&gl=br</p>				

Property			
Fazenda Aruanã, Fazenda Lagoa Azul			
Nova Maringá, Mato Grosso		Amazon Biome	
CAR:	MT-5108907-9F9D60D699774D01A0B003901D4F81E6		SIGEF/SNCI: 9020631110740
Area property (ha):	4,797	Coordinates property:	-12.63181,-56.98271
Cleared Area			
Coordinates clearance:		-12.62646,-56.97901	
1,132 hectares	period clearance:	Aug to Sep 2023	
521,697 tons of CO ₂			
171 fires alerts			
Inside Forest Code's protected areas:	Yes 1124.95 ha inside declared Legal Reserve		
Type of vegetation:	Contact between Ombrophilous Forest (rainforest) and Seasonal Forest	Priority for Biodiversity Conservation:	No
Conservation area(s) (overlapping or bordering):		-	
Indigenous Territories (overlapping or bordering):		-	

Imagery: limits of the property (green), limits of the cleared area (red)



Source: Imagery ©2023 Planet Labs Inc.

August 2023



Source: Imagery ©2023 Planet Labs Inc.




September 2023

Fires August 2023



Source: European Union - EO Browser Copernicus Sentinel data 2023

Environmental fines and embargoes				
Embargoes:	Yes	4 environmental embargoes in Fazenda Aruanã: 2 in 2008 under the name of Ilga Maria Ferraz Pacheco, one due to illegal clearance of 4,350 ha of native vegetation and one due to undisclosed reasons. In 2019, 2 other embargoes totalling 1,029 ha in Fazenda Aruaña due to ‘selective exploitation’. Around 382 ha of the embargoed area linked to these two last embargos overlap the area of Fazenda Lagoa Azul		
Environmental fines:	Yes	3 environmental fines, two of which from 2008 in Fazenda Aruanã (Nova Maringá - MT) and one from 2017 in a linked property, Estância Moenda (Cuiabá - MT). One of the fines in Fazenda Aruanã was issued due to hampering the natural regeneration of 4,350 hectares of native vegetation, cleared and replaced by cattle grazing pastures, while the other (related to the first) was due to engaging in livestock farming activities without the necessary environmental licenses. The fine in Estância Moenda, which is registered under the name of Eduardo Ferraz Pacheco de Castro, was also due to engaging in livestock farming activities without the necessary environmental licenses.	BRL 1,450,000	
Ownership and other linked properties				
Ownership:	Ilga Maria Ferraz Pacheco, Milton de Castro			
Company group:	3 companies linked to Ilga Maria Ferraz Pacheco and/or Milton de Castro: Miroal Indústria e Comércio - Em Recuperação Judicial (São Bernardo do Campo - SP), Corumbatau Corretora de Seguros (Londrina - PR, Florianopolis - SC), and Penielimp Material de Limpeza e Bazar (São João de Meriti - RJ).			
Linked properties:	2 other properties, totalling 2,901 ha. In Poconé (MT): Estância Moenda (registered under Eduardo Ferraz Pacheco de Castro) (364 ha). In Vila Bela da santíssima Trindade (MT): Fazenda Flor da Mata (2,537 ha)			
Supply chain links				
Main Commodities	Soy			
Confirmed supply chain link, level of certainty, and soy trader/ beef processor		Yes	Medium	Cofco
Soy	Warehouses (50 km radius)	44 warehouses including 2 owned by Cofco		
	Supply chain links & details:	-		
Beef	Slaughterhouses (sourcing from the municipality)	17 different slaughterhouses sourced cattle from Nova Maringá (MT) in 2021, of which 1 owned by JBS (Diamantino - MT), 1 owned by Marfrig (Tangará da Serra - MT), and 1 owned by Minerva (Várzea Grande - MT).		
	Supply chain links & details:	-		
Other supply chain links and details:		Timber		
General comments				
Both properties, Fazenda Lagoa Azul and Fazenda Aruanã include areas which have received logging licenses (AUTEX and AEF) issued by the state environmental authority SEMA (1) and have soy cultivation. In 2014, Ilda Pacheco and Milton de Castro signed an agreement with the Environmental Agency of Mato Grosso to compensate for deforestation in the legal reserve area of Fazenda Aruaña (2).				
(1) https://geoportal.sema.mt.gov.br/#/				
(2) https://www.fapemat.mt.gov.br/documents/363786/3646312/diario_oficial_2015-01-13_completo.pdf/2fedc5a8-36b9-d424-52c6-b0fb65a7ecff				

Property			
Fazenda Sertão			
Nova Mutum, Mato Grosso		Amazon biome	
CAR: MT-5106224-B745AF980D90B77F8665B67940B3900E		SIGEF/SNCI: 9510993432939	
Area property (ha):	1,453	Coordinates property:	-13.05580,-56.57899
Cleared Area			
Coordinates clearance:		-13.054155,-56.580768	
408 hectares	period clearance:	Jul to Sep 2023	
191,643 tons of CO ₂			
108 fires alerts			
Inside Forest Code's protected areas:	No -		
Type of vegetation:	Contact between Ombrophilous Forest (rainforest) and Seasonal Forest	Priority for Biodiversity Conservation:	Very high
Conservation area(s) (overlapping or bordering):		-	
Indigenous Territories (overlapping or bordering):		-	
Imagery: limits of the property (green), limits of the cleared area (red)			
July 2023			
		September 2023	
Source: Imagery ©2023 Planet Labs Inc.			
Burned area August 2023		Source: Imagery ©2023 Planet Labs Inc.	
Source: European Union - EO Browser Copernicus Sentinel data 2023			

Environmental fines and embargoes					
Embargoes:	No -				
Environmental fines:	Yes	1 environmental fine on a linked property, Fazenda Goichi, which is part of the estate left by Goichi Saito due to the illegal clearance of 179 hectares of native vegetation that is subject to a special preservation regime. The fine is registered under the name of Clarice Leiko Saito.		BRL 895,300	
Ownership and other linked properties					
Ownership:	Shijuko Hourinouchi Saito (Ediney José do Carmo, Eliziano José Alberto de Souza, and Junior de Carvalho)				
Company group:	No active linked companies were found.				
Linked properties:	1 other property in Nova Maringá (MT): Fazenda Saito (2,402 ha)				
Supply chain links					
Main Commodities	Soy				
Confirmed supply chain link, level of certainty, and soy trader/ beef processor			Yes	Medium	Bunge
Soy	Warehouses (50 km radius)	39 warehouses including 1 owned by Bunge			
	Supply chain links & details:	-			
Beef	Slaughterhouses (sourcing from the municipality)	13 different slaughterhouses sourced cattle from Nova Mutum (MT) in 2021, of which 1 owned by JBS (Diamantino - MT), 2 owned by Marfrig (Paranatinga and Tangará da Serra - both in MT), and 1 owned by Minerva (Várzea Grande - MT).			
	Supply chain links & details:	-			
Other supply chain links and details:		-			
General comments					
<p>In 2019, a group of land grabbers (grileiros) - Ediney José do Carmo, Eliziano José Alberto de Souza, and Junior de Carvalho, "o Paraíba" - took over a property in Nova Maringá (MT) owned at the time by Shijuko Hourinouchi Saito (left by Goichi Saito). A legal process was initiated to reinstate the ownership of the property and safeguard the rights of the expropriated owner(s). Even though the Court's preliminary decision re-instated the legal ownership, the land grabbers had already cleared 2,420 ha of forest in the property, burned vegetation and stolen timber allegedly supplied to timber mills in the region (1). A CAR declared by Edvin Soupinski (Fazenda Nossa Senhora Aparecida III), under analysis, covers part of the property (2). In Paraná state, Soupinski is a member of the cooperative Copacol, a chicken and fish producer (3).</p>					
<p>(1) https://www.abroncapopular.com.br/policia/grileiros-retirados-por-ordem-judicial-de-fazenda-invadida-planejam-nova-invasao-para-roubar-madeiras/16163</p> <p>(2) https://geoportal.sema.mt.gov.br</p> <p>(3) https://copacol.com.br/agronegocio/noticia/4794/joao-cirilo-e-o-produtor-destaque-do-mes-na-avicultura-da-copacol</p>					

Deforestation and fire alert data are the starting point of the analysis for each case study. After confirming the clearance of native vegetation through satellite imagery, each of the cases is analyzed 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 using publicly available data.

Deforestation & Fire

We processed deforestation alert data from the INPE/Deter program for both biomes, Amazon and Cerrado. The Global Forest Watch (GLAD alerts) and the Mapbiomas Alertas platforms are alternative sources. The fire alerts are checked in the NASA/Firms platform and processed using the 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 owner. The land ownership registration on local notary offices is not checked and might differ from 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 essential to highlight that CAR is not recognized as official ownership data.

Brazilian Forest Code protected areas

The Brazilian Forest Code defines Legal Reserves and Permanent Preservation Areas (APP) 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, and 20% other areas]. 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 managing the Officially recognized Natural Reserves according to the National System of Natural Reserves (SNUC – Sistema Nacional de Unidades de Conservação). The SNUC determines the 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 to 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 from IBAMA, the Federal Environment Agency. Embargoes are areas where any 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 addressing the problem. Environmental fines are usually linked to regulation infractions and are addressed to the property owner.

Company Group and linked properties

Once the ownership of the property is linked to an individual, we use the SINTEGRA database to check all the registered companies under this individual or group of individuals' names. If a company already registers the ownership, we also check the corporate structure of the company through open-source 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 SNCL.

Level of certainty of links to soy traders and beef processors

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

Leading exporters (municipality), warehouses, and slaughterhouses

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

CO₂ Emissions

The calculation of CO₂ emissions refers to the "above-ground carbon emissions" according to the cleared vegetation type(s) [Source: 1) [Nogueira et al. \(2015\)](#). *Carbon stock loss from deforestation through 2013 in Brazilian Amazonia*], 2) [United Nations Framework Convention on Climate Change \(2016\)](#). *Brazil's Forest Reference Emission Level for Reducing Emissions from Deforestation in the Cerrado biome for Results-based Payments for REDD+ under the United Nations Framework Convention on Climate Change*. The tons of CO₂ emission is calculated per type of vegetation times the ratio of molecular weight of carbon dioxide to carbon (44/12) times the number of hectares cleared.

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