REALTIME DEFORESTATION

Monitoring System

Soy and cattle supply chains

Amazon & Cerrado biomes – Brazil

April 2022

(updated in July 2022)

aidenvironment

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 April 2022 presents **eight cases** linking recent deforestation to soy traders' and beef processors' supply chains. Four cases are in Amazon biome and four in Cerrado biome. The total deforestation reported by the eight cases is **13,930 hectares**, which are linked to **229 fire alerts**.

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Case Study 1

Property			
Fazenda Cachoeira (Lotes 1, 3, 4 and 5 - Gleba Jacundá)			
Porto Velho, RO		Amazon biome	
CAR:	RO-1100205-335C202B03DF4B5184D81965891EDEA3	**SIGEF/SNCI:**	190685608
Area property (ha):	3,264	**Coordinates property:**	-62.44105, -8.70395

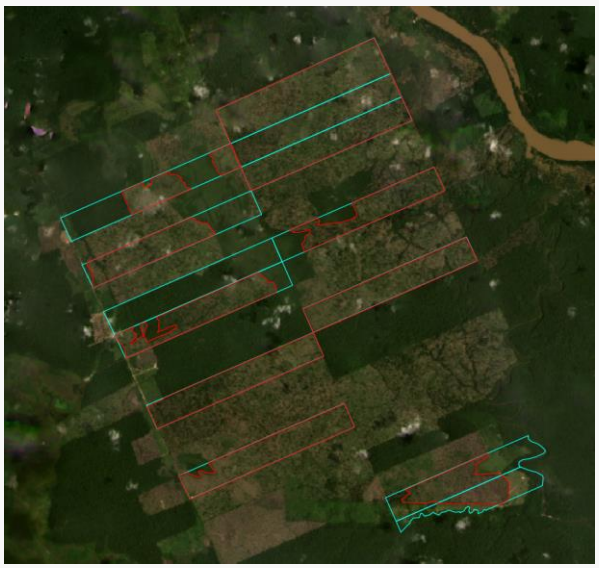
Cleared Area			
Coordinates clearance:		-62.41693, -8.66892	
2,397	hectares	**period clearance:**	May 2021 to Feb 2022
10	fires alerts		
Inside Forest Code's protected areas:	Yes	1,392	ha inside declared Legal Reserve and APP
Type of vegetation:	Open ombrophylous rainforest	**Priority for Biodiversity Conservation:**	Very high
Conservation area(s) (overlapping or bordering):		Close to Reserva Estadual Extrativista Rio Preto - Jacundá and Floresta Estadual de Rendimento Sustentado do Rio Machado	
Indigenous Territories (overlapping or bordering):	-		

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

May 2021

Source: Imagery ©2021 Planet Labs Inc.

Feb 2022



Source: Imagery ©2022 Planet Labs Inc.

Environmental fines and embargoes			
Embargoes:	No	-	
Environmental fines:	Yes	2 environmental fines for presenting false information on the DOF (Document of Forest product Origin) in Porto Velho (RO), in 2016	BRL 63,000

Ownership and other linked properties	
Ownwership:	João Gilberto Assis Miranda
Company group:	LPJ Empreendimentos e Participações, and 12 other companies linked to the automotive sector, all resgitered in Rondônia
Linked properties:	9 other properties in Porto Velho (RO), Ji-Paraná (RO), and Campo Novo de Rondônia (RO), totaling 2,100 ha

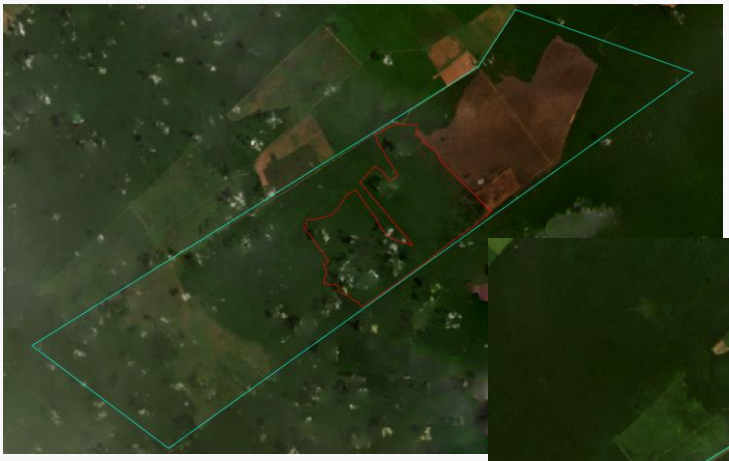
Supply chain links				
Main Commodities		Beef		
Confirmed supply chain link, level of certainty, and soy trader/ beef processor		Yes	Medium	JBS, Marfrig
Soy	Main exporters (municipality)	Cargill (51%), Amaggi (49%)		
	Warehouses (50 km radius)	1 warehouse owned by Sabor do Campo Comércio de Produtos Alimentícios		
	Supply chain links & details:	Around 58% of soy exports from Porto Velho goes to the European Union market		
Beef	Main exporters (municipality)	JBS (42%), Minerva (20%), Marfrig (11%), others (27%)		
	Slaughterhouses (sourcing from the municipality)	45 different beef processors sourced cattle from Porto Velho in 2019, e.g.: 4 owned by JBS (Pimenta Bueno, Porto Velho, São Miguel do Guaporé, and Vilhena, all in RO), 1 owned by Marfrig (Ji-Paraná - RO), 1 owned by Minerva (Rolim de Moura - RO)		
	Supply chain links & details:	Linked properties in Rio Crespo (RO) directly supplied Marfrig (Chupinguaia-RO). Linked properties in Campo Novo de Rondônia (RO) directly supplied Marfrig (Ji-Paraná - RO) and JBS (Pimenta Bueno - RO and Vilhena - RO). Among the directly suppliers of these linked properties there are 6 properties with environmental fines and 5 with embargoed areas.		
Other supply chain links and details:		Environmental fines for transporting timber with falsified documents (DOF)		

Property			
Fazenda Santa Emilia I			
Marcelândia, MT		Amazon biome	
CAR:	MT-5105580-34A51144D619401A9BAB4B5D3F683487 and MT-5105580-0592DD5F4C6D4E7FB6B5EE6D9F14A4E7	SIGEF/SNCI:	9500682032460
Area property (ha):	6,542	Coordinates property:	-53.70664, -1065357

Cleared Area			
Coordinates clearance:		-53.68985, -10.64695	
1,142	hectares	period clearance:	Nov 2021 to Feb 2022
135	fires alerts		
Inside Forest Code's protected areas:	Yes	1,142 ha inside declared Legal Reserve and APP	
Type of vegetation:	Semidecidual seasonal rainforest	Priority for Biodiversity Conservation:	No
Conservation area(s) (overlapping or bordering):		-	
Indigenous Territories (overlapping or bordering):		Close to the Indigenous Territory Parque do Xingu Wauja, Trumái, Yawalapití, Mehináku, Aweti, Yudjá, Kisêdjê, Ikpeng, Matipú, Kuikuro, Nahukuá, Tapayuna, Kaiabi, Kamayrurá, Kalapalo) and the the Indigenous Territory Capoto / Jarina (Kayapó)	

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

Nov 2021



Source: Imagery ©2021 Planet Labs Inc.

Feb 2022

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Case Study 2

Environmental fines and embargoes			
Embargoes:	Yes (other links)	2 embargoed areas: 1 for clearing 126,5 ha of native vegetation without authorization in Fazenda Planalto (Marcelândia - MT), in 2016 (pending court decision); and 1 for clearing 209,8 ha of native vegetation in Fazenda Santa Emília I in 2021	
Environmental fines:	Yes (other links)	3 environmental fines: 1 for clearing 1,180 ha in the conservation area "Floresta Nacional do Jamanxim" (Novo Progresso - PA), in 2015; 1 for clearing 126,5 ha of native vegetation without authorization in Fazenda Planalto (Marcelândia - MT), in 2016; and 1 for clearing 209,8 ha of native vegetation in Fazenda Santa Emília I in 2021	BRL 2,265,000

Ownership and other linked properties	
Ownership:	Temistocles Nunes da Silva Sobrinho
Company group:	Agropecuária Paraíso Verde, Agropecuária Lobo Guará, ALJP Importação e Exportação, Agropecuária Paraíso e Empreendimentos, Agropecuária Nelore de Ouro, Agropecuária Alip, and Agropecuária Rio Parado, all registered in Colider (MT)
Linked properties:	2 properties in Colíder (MT) and Peixoto de Azevedo (MT) totaling 1,320 ha

Supply chain links				
Main Commodities		Beef		
Confirmed supply chain link, level of certainty, and soy trader/ beef processor		Yes	Low / Medium	Cofco / JBS, Marfrig
Soy	**Main exporters** (municipality)	Cofco (100%)		
	Warehouses (50 km radius)	Cofco warehouse 90 km away from farm		
	Supply chain links & details:	Likely linked to Cofco, which was the only exporter of soy from Marcelândia (MT) in 2018		
Beef	**Main exporters** (municipality)	JBS (77%), Marfrig (6%), Minerva (0.5%), others (16.5%)		
	Slaughterhouses (sourcing from the municipality)	8 different beef processors sourced cattle from Marcelândia in 2019, e.g.: 1 owned by JBS (Colíder - MT), 1 owned by Marfrig (Tangará da Serra - MT)		
	Supply chain links & details:	Linked properties in Novo Progresso (PA) and Colíder (MT) indirectly supplied JBS (Marabá - PA and Colíder - MT), Marfrig (Várzea Grande - MT and Tangará da Serra - MT) and 2 properties in the "dirty" list of slavery labour conditions (Fazenda Ariadne and Fazenda Ariane II, both in Dom Eliseu - PA). Among the directly suppliers of these linked properties there are 2 properties with environmental fines and 2 with embargoed areas.		
Other supply chain links and details:		-		

General comments
For almost two decades the producer has been cited in investigations for frauds in Sustainable Forest Management plans and for trading of illegally harvested timber (1, 2, 3).

(1) https://www.sonoticias.com.br/politica/superintendente-confirma-para-cpi-falhas-internas-na-sema/
(2) https://www.topnews.com.br/noticias_ver.php?id=37780
(3) https://ver-o-fato.com.br/no-para-os-campeoes-de-multas-por/

Property			
Fazenda Tocantins			
Nova Ubiratã, MT		Amazon biome	
CAR:	MT-5106240-A7CD6030A6EF4C81BB792EAC27048CF4 and MT-5106240-F38A3F3EC119405288F81310303215EB	SIGEF/SNCI:	9012451040198
Area property (ha):	36,186	Coordinates property:	-54.38469, -12.61985
Cleared Area			
Coordinates clearance:		-54.38467, -12.58667	
1,965	hectares	period clearance:	Nov 2021 to Feb 2022
10	fires alerts		
Inside Forest Code's protected areas:	Yes	950 ha inside declared Legal Reserve	
Type of vegetation:	Semidecidual seasonal rainforest	Priority for Biodiversity Conservation:	No
Conservation area(s) (overlapping or bordering):		Bordering with Estação Ecológica do Rio Ronuro	
Indigenous Territories (overlapping or bordering):		-	

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

Nov 2021

Source: Imagery ©2021 Planet Labs Inc.

Feb 2022

Source: Imagery ©2022 Planet Labs Inc.

Environmental fines and embargoes			
Embargoes:	No	-	
Environmental fines:	No	-	-

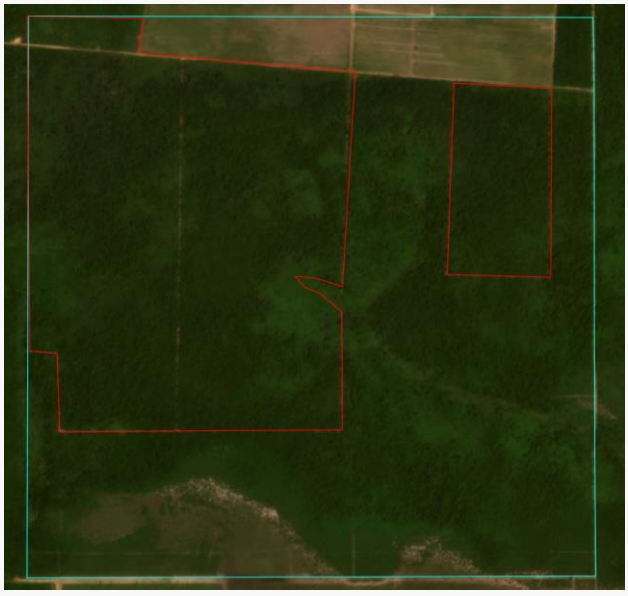
Ownership and other linked properties	
Ownwership:	Agro Pecuária Tocantins
Company group:	Agro Pecuária Tocantins (CNPJ: 04.806.752/0001-03), registered in Nova Ubiratã (MT) - owners: Emílio Sanami Kinoshita, Pedro Armando Eberhardt, Paulete Eberhardt, Viviane Eberhardt, Flavio Vieira de Faro
Linked properties:	No info found

Supply chain links				
Main Commodities	Beef and Soy			
Confirmed supply chain link, level of certainty, and soy trader/ beef processor		Yes	Low / High / Medium	Amaggi, Cofco / Marfrig / JBS
Soy	**Main exporters** (municipality)	Amaggi (52%), Cofco (40%), Glencore (4.5%), Cargill (3.5%)		
	Warehouses (50 km radius)	6 warehouses owned by local companies		
	Supply chain links & details:	The property has soy plantation and Amaggi and Cofco represent, together, 92% of soy exports from Nova Ubiratã (MT)		
Beef	**Main exporters** (municipality)	Frigosul (40%,) JBS (29%), Marfrig (17%), Minerva (8%), others (6%)		
	Slaughterhouses (sourcing from the municipality)	16 different beef processors sourced cattle from Nova Ubiratã in 2019, e.g.: 2 owned by JBS (Diamantino and Colider, both in MT), 2 owned by Marfrig (Paranatinga and Várzea Grande, both in MT), 1 owned by Minerva (Paranatinga - MT)		
	Supply chain links & details:	Directly supplied Marfrig (Paranatinga - MT) in 2018. Indirectly supplied JBS (Diamantino - MT) in 2019		
Other supply chain links and details:		Agro Pecuária Tocantins is registered as a logging company with activities also linked to cattle		

Property	
Fazenda Luta and São Gonçalo	
Confresa, MT	Amazon biome
CAR: MT-5103353-E44F87C620C54368A68FDAB91A1EE35B	SIGEF/SNCI: 9999703780202
Area property (ha): 1,982	Coordinates property: -51.39920, -10.72725
Cleared Area	
Coordinates clearance:	-51.40960, -10.72167
852 hectares	period clearance: Nov 2021 to Feb 2022
- fires alerts	
Inside Forest Code's protected areas: Yes	32 ha inside declared Legal Reserve and APP
Type of vegetation: Forested Savanna	Priority for Biodiversity Conservation: Extremely high
Conservation area(s) (overlapping or bordering):	-
Indigenous Territories (overlapping or bordering):	Bordering with the Indigenous Territory Urubu Branco (Tapirapé)

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

Nov 2021



Source: Imagery ©2021 Planet Labs Inc.

Feb 2022

Source: Imagery ©2022 Planet Labs Inc.

Case Study 4

Environmental fines and embargoes			
Embargoes:	No	-	
Environmental fines:	No	-	-

Ownership and other linked properties	
Ownwership:	Betel Agropecuária
Company group:	Betel Agropecuária Spe (CNPJ: 18.624.681/0001-24), registered in São Paulo (SP) - owners: Jose Carlos Pires Carneiro, Silvana Carraro, Frenova Imobiliária e Negócios, Luiz Antônio Leite Riberio Neto
Linked properties:	1 other property linked to Silvana Carraro in Cidade Gaúcha (PR) totaling 578 ha; 2 other property linked to Frenova in Porto Alegre do Norte (MT) and Confresa (MT) totaling 2,570 ha

Supply chain links				
Main Commodities		Soy		
Confirmed supply chain link, level of certainty, and soy trader/ beef processor		Yes	Low	Bunge
Companies' replies		The trading link to LDC was removed after they stated that ""*LDC doesn´t have commercial relationship with Fazenda Luta / São Gonçalo (Confresa - MT), neither with Betel Agropecuária*."		
Soy	**Main exporters** (municipality)	Glencore (69%), Cargill (19%), Amaggi (11%), others (1%)		
	Warehouses (50 km radius)	11 warehouses; 2 owned by Bunge and 1 by LDC		
	Supply chain links & details:	-		
Beef	**Main exporters** (municipality)	JBS (80%), Marfrig (10%), Minerva (0.5%), others (9.5%)		
	Slaughterhouses (sourcing from the municipality)	11 different beef processors sourced cattle from Confresa in 2019, e.g.: 2 owned by JBS (Bara do Garças and Confresa, both in MT), 1 owned by Marfrig (Nova Xavantina - MT)		
	Supply chain links & details:	-		
Other supply chain links and details:		-		

General comments

José Carlos Pires Carneiro is linked to companies responsible for "colonization" processes in the central-western part of the country during the Brazilian military dictatorship (1964-1985), being one of the owners of Tapiraguaia Agrícola e Pecuária (1). Frenova is linked with a "colonization" company in Confresa, needs more investigation to understand whether they are still present in the properties or if they were recently sold to someone else (2). Frenova is one of the companies that contested the demarcation of Terra Indígena Urubu Branco in Goiás, Tocantins and Maranhão - needs more investigation to confirm that this is the same company (3). In the 1980s, indigenous organisations denounced the invasion of indigenous lands – currently Terra Indígena Urubu Branco – of the Tupinaré people José Carlos Pires Carneiro, owner of the Tapiraguaia Farm in the northeast of the state of Mato Grosso (4).

(1) https://tidsskrift.dk/dialogos/article/view/112809
(2) http://www.coisasdematogrosso.com.br/cidades/cidade.asp?id=88&cidade=Confresa
(3) https://acervo.socioambiental.org/acervo/documentos/cadeia-dominial-de-empresas-que-contestam-demarcacao-da-ti-urubu-branco
(4) https://documentacao.socioambiental.org/noticias/anexo_noticia/33607_20160114_131334.pdf

Property			
Fazenda Trapo Velho and Fazenda Ipê Amarelo			
Jaborandi, BA		Cerrado biome	
CAR:	BA-2917359-D455EB4A94B04BCE963349F77E0FDABB and BA-2917359-E341F9E8D1DC40C5BCD2120643231662	SIGEF/SNCI:	3020400584755 and 9999203655487, 9500338528804
Area property (ha):	3,550	Coordinates property:	-45.59464, -14.05484

Cleared Area			
Coordinates clearance:		-45.59507, -14.03372	
2,026	hectares	period clearance:	Sep 2021 to Feb 2022
-	fires alerts		
Inside Forest Code's protected areas:	No	-	-
Type of vegetation:	Forested Savanna	Priority for Biodiversity Conservation:	No
Conservation area(s) (overlapping or bordering):		Close to Refpugio de Vida Silvestre Veredas do Oeste Baiano	
Indigenous Territories (overlapping or bordering):		-	

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

Sept 2021

Source: Imagery ©2021 Planet Labs Inc.

Feb 2022

Source: Imagery ©2022 Planet Labs Inc.

Case Study 5

Environmental fines and embargoes			
Embargoes:	No	-	
Environmental fines:	Yes (other links)	2 environmental fines: 1 for clearing on 450 ha of native vegetation without authorization in Fazenda Tucumã (Correntina - BA) in 2002; 1 for clearing 450 ha of regenerating native vegetation (embargoed area in 2002, not listed anymore) in 2006; and 1 for not allowing the same area of native vegetation to regenerate in the same farm in 2006	BRL 205,800

Ownership and other linked properties	
Ownership:	Felippo Piana Capello and Suzane Mari Piana
Company group:	Piana Capello Agronegócios (CNPJ: 32.680.423/0001-96), registered in Correntina (BA)
Linked properties:	4 other properties in Correntina (BA), Jaborandi (BA), and Iaciara (GO), totaling 7,230 ha

Supply chain links				
Main Commodities		Soy		
Confirmed supply chain link, level of certainty, and soy trader/ beef processor		Yes	Low	Cargill
Companies' replies		The potential trading link to Cargill was maintained after they stated to have "*negotiations with only one* [of the cases included in this report], *which is not on any of the embargo lists*"		
Soy	**Main exporters** (municipality)	Cargill (100%)		
	Warehouses (50 km radius)	4 warehouses owned by local companies		
	Supply chain links & details:	Likely linked to Cargill, which was the only exporter of soy from Jaborandi (BA) in 2008		
Beef	**Main exporters** (municipality)	JBS (80%), others (20%)		
	Slaughterhouses (sourcing from the municipality)	14 different beef processors sourced cattle from Jaborandi in 2019, e.g.: 1 owned by JBS (Itapetininga - BA)		
	Supply chain links & details:	Suppliers of cattle to the linked property in Iaciara (GO), have 3 environmental fines and 2 embargoed areas		
Other supply chain links and details:		-		

General comments

The Global Witness has investigated the business of the Piana Capello family in western Bahia (1). Suzana Piana Capello is part of a group of seven farmers who have been jointly litigating against eight community members of the traditional "fecho de pasto" community of Capão do Modesto, in Correntina (BA). The alleged owners accuse the community members of trespassing on their legal reserves (protected by the Forest Code) and causing material damage. The Fazenda Serrana IV, one of Piana Capello Agropecuária's properties in Correntina (BA), also overlaps with "fecho de pasto" community of Porcos, Guará and Pombas, which traditionally occupy this Cerrado territory. Suzane Mari Piana is also director and shareholder of Ciaseeds Agronegócios, a major soybean and cotton seed supplier with offices in four cities of Matopiba.

(1) https://www.globalwitness.org/en/campaigns/environmental-activists/global-commodity-traders-are-fuelling-land-conflicts-in-brazils-cerrado/

Property			
Fazenda Flora			
Santa Filomena, PI		Cerrado biome	
CAR:	PI-2209203-1BA8D6607FC74EF29B36777473507C79	SIGEF/SNCI:	192976235
Area property (ha):	4,028	Coordinates property:	-45.57300, -8.97458
Cleared Area			
Coordinates clearance:		-45.54887, -8.91621	
1,156	hectares	period clearance:	Dec 2021 to Feb 2022
-	fires alerts		
Inside Forest Code's protected areas:	No	-	-
Type of vegetation:	Wooded Savanna	Priority for Biodiversity Conservation:	High
Conservation area(s) (overlapping or bordering):		Close to Estação Ecológica Uruçuí-Una	
Indigenous Territories (overlapping or bordering):		-	

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

Dec 2021

Source: Imagery ©2021 Planet Labs Inc.

Feb 2022

Source: Imagery ©2022 Planet Labs Inc.

Environmental fines and embargoes			
Embargoes:	No	-	
Environmental fines:	Yes (other links)	Logging of 439m3 of a protected tree specie (Pequizeiro) in Fazenda Cajuí (Milagres do Maranhão - MA), in 2005	BRL 40,439

Ownership and other linked properties	
Ownership:	Ricardo Kiyoshi Sonomura
Company group:	Sonomura & Nabeyama (CNPJ: 28.912.089/0001-81), registered in Cambé (PR)
Linked properties:	3 other properties in Milagres do Maranhão (MA), Grajaú do Maranhão (MA), and Ribeiro Gonçalves (PI), totaling 6,000 ha

Supply chain links			
Main Commodities	Soy		
Confirmed supply chain link, level of certainty, and soy trader/ beef processor	Yes	Low	Bunge

Soy	**Main exporters** (municipality)	Bunge (100%)
	Warehouses (50 km radius)	11 warehouses; 1 owned by Bunge
	Supply chain links & details:	Likely linked to Bunge, which was the only exporter of soy from Santa Filomena (PI) in 2008
Beef	**Main exporters** (municipality)	No data
	Slaughterhouses (sourcing from the municipality)	No info
	Supply chain links & details:	Linked property in Redenção (PA) indirectly supplied JBS (Redenção - PA) and Marfrig (Tucumã - PA)
Other supply chain links and details:		-

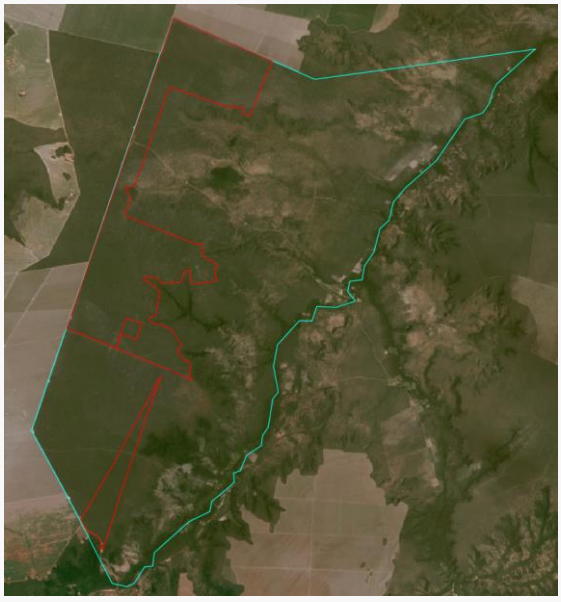
Case Study 7

Property			
Fazenda Ad Rubi			
Santa Filomena, PI		Cerrado biome	
CAR:	PI-2209203-4463A5AB4A1B4454B0CD9913C7C2E7B0	SIGEF/SNCI:	9501652760491
Area property (ha):	10,398	Coordinates property:	-45.51726, -8.95622

Cleared Area			
Coordinates clearance:		-45.54436, -8.96029	
1,976	Hectares	period clearance:	Dec 2021 to Feb 2022
33	fires alerts		
Inside Forest Code's protected areas:	No	-	-
Type of vegetation:	Wooded Savanna	Priority for Biodiversity Conservation:	High
Conservation area(s) (overlapping or bordering):		Close to Estação Ecológica Uruçuí-Una	
Indigenous Territories (overlapping or bordering):		-	

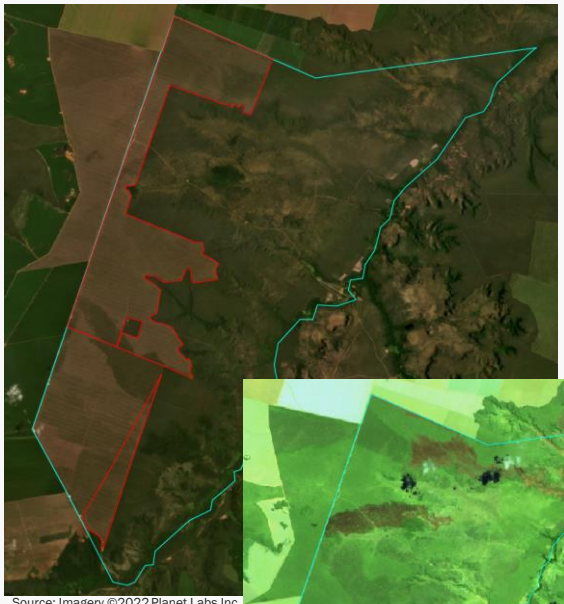
Before & After Imagery: limits of the property (blue) limits of the cleared area (red)

Dec 2021



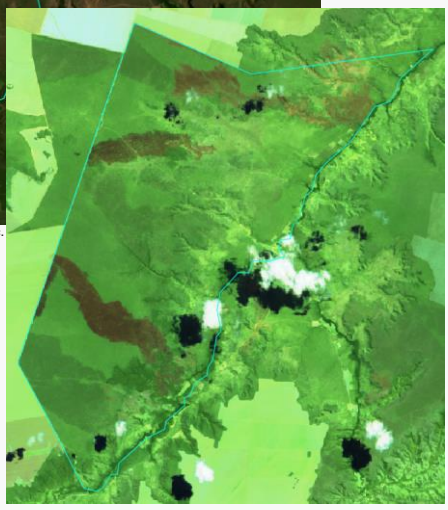
Source: Imagery ©2021 Planet Labs Inc.

Feb 2022



Source: Imagery ©2022 Planet Labs Inc.

Fires



06 Sep 2021

Source: European Union, contains modified 2021, processed with EO Browser Copernicus Sentinel data

Environmental fines and embargoes			
Embargoes:	No	-	
Environmental fines:	No	-	-

Ownership and other linked properties	
Ownwership:	Damha Agronegócios
Company group:	Damha Agronegócios (CNPJ: 51.400.042/0014-75), registered in Baixa Grande do Ribeira (PI) - owner: Maria Estella Eugênio Damha
Linked properties:	4 other properties in Baixa Grande do Ribeiro (PI), Caiapônia (GO), and Pereira Barreto (SP), totaling 20,814 ha

Supply chain links				
Main Commodities		Soy		
Confirmed supply chain link, level of certainty, and soy trader/ beef processor		Yes	High	Bunge, Cargill
Companies' replies		The potential trading link to Cargill was maintained after they stated to have "*negotiations with only one* [of the cases included in this report], *which is not on any of the embargo lists*"		
Soy	**Main exporters** (municipality)	Bunge (100%)		
	Warehouses (50 km radius)	11 warehouses; 1 owned by Bunge		
	Supply chain links & details:	Received an insurance covering soy production in a linked farm in Baixa Grande do Ribeiro (PI) in 2014. Likely linked to Bunge, which was the only exporter of soy from Santa Filomena (PI) in 2008. According to Damha Agronegócio's website, Bunge and Cargill are its main clients in Piauí.		
Beef	**Main exporters** (municipality)	No data		
	Slaughterhouses (sourcing from the municipality)	Linked property, Fazenda Bonança in Pereira Barreto (SP) supplied JBS in 2019 and 2020		
	Supply chain links & details:	-		
Other supply chain links and details:		-		

General comments

The Diamante, Esmeralda, and Safira farms, located in Baixa Grande do Ribeiro and Santa Filomena, are soybean and corn producers and supply grain to traders Bunge and Cargill (1). They also claim to own 35.384 thousand hectares distributed in the states of São Paulo, Goiás and Piauí producing soy, corn, sugar cane, beans and cattle. In 2013 and 2014 Damha Agronegócios received loans from BNDES agricultural credit lines granted by Banco do Brasil and Banco Pine (2). The company's farm Fazenda Bonança, in Pereira Barreto (SP), is authorized to export fresh beef to the EU (3).

(1) https://damhaagronegocios.com.br/pages/fazendas-do-piaui
(2) BNDES data
(3) http://bi.agricultura.gov.br/reports/rwservlet?sisbov_cons&propriedades_aptas.rdf&p_nm_arquivo=propriedades_aptas.rdf&p_cs_apta=S&foco_campo=&p_usuario=16614&p_flag=1&p_invoker=sisbov.ap_propriedades_aptas_rep&p_serial=44429639&paramform=no

Property			
Fazenda Serra Branca I and Fazenda Esplanada			
Uruçuí, PI		Cerrado biome	
CAR:	PI-2211209-8B52C1FADFBE41BFA9EAF55343781725	SIGEF/SNCI:	9500177015305
Area property (ha):	17,268	Coordinates property:	-44.71098, -7.92079

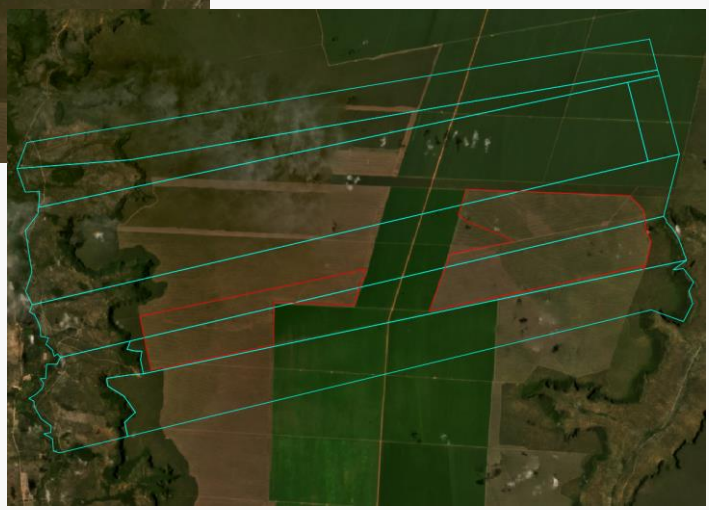
Cleared Area			
Coordinates clearance:		-44.65383, -7.91505	
2,416	hectares	period clearance:	Nov 2021 to Feb 2022
41	fires alerts		
Inside Forest Code's protected areas:	Yes	396	ha inside declared Legal Reserve
Type of vegetation:	Wooded Savanna	Priority for Biodiversity Conservation:	No
Conservation area(s) (overlapping or bordering):		-	
Indigenous Territories (overlapping or bordering):		-	

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

Nov 2021

Source: Imagery ©2021 Planet Labs Inc.

Feb 2022



Source: Imagery ©2022 Planet Labs Inc.

Case Study 8

Environmental fines and embargoes			
Embargoes:	No	-	
Environmental fines:	No	-	-

Ownership and other linked properties	
Ownwership:	Norberto Tomazini
Company group:	Serra Branca Agrícola (Uruçuí - PI), Nutriza Agroindustrial de Alimentos, Agropecuária Tomazini, Olvego - Óleos Vegetais de Goiás, Agropecuária Santa Maria Agrícola, Agropecuária Água Fria, Agropecuária Ipuá Goiás, Agropecuária e Avicultura Santa Clara, and other 24 companies all registered in Goiás or in Uriçuí (PI)
Linked properties:	5 other properties in Uruçuí (PI), totaling 88,320 há

Supply chain links				
Main Commodities		Soy		
Confirmed supply chain link, level of certainty, and soy trader/ beef processor		Yes	Low	Bunge, ALZ
Soy	Main exporters (municipality)	ALZ (21%), Bunge (15%), others (3%), [domestic consumption - 61%]		
	Warehouses (50 km radius)	19 warehouses; 1 owned by Bunge and 1 by Amaggi Louis Dreyfus Zen-noh Graos		
	Supply chain links & details:	Likely linked to Bunge and/or ALZ as both, together, exported 36% of the soy produced in Uruçuí in 2018		
Beef	Main exporters (municipality)	Meridional (89%), Pampa Foods (10%), others (1%)		
	Slaughterhouses (sourcing from the municipality)	No info		
	Supply chain links & details:	Linked property in Urutaí (GO) indirectly supplied JBS (Mozarlândia, Goiânia and Senador Canedo, all in GO)		
Other supply chain links and details:		-		

General comments

Serra Branca Agrícola is a project of Grupo Tomazini, Nutriza/Friato for integrated operations in Uruçuí, Piauí (1). The agro-industrial complex is composed of corn and soy production, feeding industry, warehouses and poultry slaughterhouses. Nutriza/Friato has 30,000 hectares of soy plantations and 20,000 hectares of corn plantations (2). These plantations are used for feeding 35,000 animals in 500 aviary farms (3). Nutriza/Friato poultry production is exported to Asia, Africa, Middle East and Russia (4). Grupo Tomazini is associated with an illegal land grabbing (grilagem) of BRL 80 million in 2017, when Terra Imóveis owned by the land grabber João Batista Fernandes - known as JB - bought the land for a paltry price and shortly afterwards sold it to the Tomazini Group for BRL 80 million (5). 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 (6). Tomazini family, from Ipuã in São Paulo, started investing in farmlands in the 1980s through the company Agropecuária Ipuã. The family expanded its operations through Nutriza/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 the establishment of a chicken slaughterhouse plant in partnership with Mitsubishi (7) (8), apparently not yet completed. From 1995-1999, Francisco Roberto Tomazini, the CEO of Grupo Tomazini, was state deputy in Goiás (9). His wife, Cida Tomazini was mayor for three mandates of Pires do Rio, where Friato Alimentos is headquartered, and recently launched her candidacy for 2020 municipal elections, trying to be elected for the fourth time (10).

(1) https://www.youtube.com/watch?v=4zEthCu691M
(2) https://www.jornalopcao.com.br/ultimas-noticias/presidente-da-friato-diz-que-o-brasil-precisa-de-um-lider-como-marconi-perillo-119381/
(3) https://revistagloborural.globo.com/Colunas/melhores-do-agronegocio/noticia/2018/10/mercado-ampliado.html
(4) https://www.youtube.com/watch?time_continue=232&v=rT212zLacsU&feature=emb_logo
(5) http://www.portalgilbues.com.br/2017/03/advogados-revelam-que-ha-gente-poderosa.html
(6) https://tj-pi.jusbrasil.com.br/jurisprudencia/340154801/agravo-de-instrumento-ai-5263820158180042-pi-201600010033001/inteiro-teor-340154812?ref=serp
(7) https://180graus.com/pedro-alcantara/grupo-promete-investir-r-1-bilhao-e-gerar-3-mil-empregos-diretos-no-piaui
(8) https://cidadeverde.com/noticias/230545/japao-pode-investir-r-1-bilhao-em-abate-de-aves-no-piaui
(9) https://portal-legado.al.go.leg.br/deputado/perfil/deputado/1607
(10) https://diariodegoias.com.br/pre-candidata-em-pires-do-rio-cida-tomazini-se-filia-ao-podemos/

Methods & Sources

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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