

F0. Introdução

F0.1

**(F0.1) Faça uma descrição e uma introdução geral da organização.**

JBS is the largest animal protein producer and second largest food company in the world (the largest food company in the world in terms of revenue). Because of its global production platform diversified by geographic location and protein types, the Company has greater access to raw materials. Working to process animal protein and value-added products in the beef, pork, lamb and poultry segments, the Company also operates related businesses, such as leather, biodiesel, personal care and cleaning, solid waste management solutions, and metal packaging.

With locations in more than 20 countries and over 500 production units and commercial offices on five continents (the Americas, Asia, Europe, África and Oceania), JBS serves around 275,000 customers, in over 190 countries, ranging from supermarket chains to small retailers, wholesale clubs and food service companies.

With over 250,000 team members, the same sustainability (economic, social and environmental), innovation, quality and food safety guidelines are followed in every region, adopting best practices based on the Company’s mission and values, focusing on operational excellence, as well as the establishment of better relationships with partners, customers, employees and society, the satisfaction of its shareholders and the commitment to social and environmental responsibility issues. For example: in March 2021, JBS announced a commitment to achieve net zero greenhouse gas emissions by 2040, reducing its direct and indirect emissions (scopes 1, 2 and 3) and offsetting all residual emissions. The Net Zero 2040 commitment was formally accepted by the Science-Based Targets initiative (SBTi), which establishes and promotes best practices in defining science-based targets. It is also worth noting that in April 2021, JBS started the operations of the *Plataforma Pecuária Transparente* (“Transparent Livestock Platform”), which, through blockchain technology, extends socio-environmental monitoring to the suppliers of its livestock suppliers. By the end of 2025, 100% of JBS’s cattle suppliers will be part of the program. The target of 14% has been achieved by the end of 2021. In addition, JBS is advancing in the assistance and inclusion of producers who seek to adapt the socio-environmental situation of their properties. The company already has 15 green offices offering environmental, legal and technical advice. Moreover, in June 2021, JBS announced six projects aimed at sustainable development to receive investments from the Fund for Amazon. The Fund aims to finance the sustainable development of local communities in the Amazon Biome, with initiatives that involves bioeconomy, reforestation and technological development.

JBS has a widely diversified product portfolio, from fresh and frozen meats to ready to-eat (prepared) dishes, with leading brands that are recognized for excellence and innovation in-market, such as: Friboi, Just Bare, Pilgrim’s, Primo, Seara and Swift. JBS also launched an entire line of plant-based products in Brazil called Incrive! and the Ozo brand in US. In Australia, under PRIMO brand, launched a flexitarian sausage.

JBS has the following structure: 1. JBS Brasil, which includes Friboi, Swift, JBS Couros and Novos Negócios; 2. Seara; 3. JBS USA Beef (JBS USA Beef, JBS Canada, JBS USA Retail Ready, JBS USA Carriers and JBS Australia); 4. JBS USA Pork (JBS USA Pork, JBS USA Live Pork, Swift Prepared Foods and JBS USA Retail Ready); 5. PPC (Pilgrim’s); and 6. Rigamonti.

In 2021, JBS’s net revenue was R\$ 350,7 billion. This is 30% higher than 2020.

More information can be found in the official JBS website (<https://jbs.com.br/en/>) and in the JBS 2021 Annual and Sustainability Report (<https://jbs.com.br/sustentabilidade/ras/relatorios/>).

F0.2

**(F0.2) Indique a data de início e de fim do ano para o qual os dados estão sendo reportados.**

	Data de início	Data de término
Ano de reporte	janeiro 1 2021	dezembro 31 2021

F0.3

**(F0.3) Selecione a moeda usada para todas as informações financeiras divulgadas na resposta.**

BRL

F0.4

**(F0.4) Seleccione a(s) commodity(ies) de risco florestal que estão ou não sendo reportadas (incluindo eventuais fontes para os ingredientes processados ou produtos manufaturados da organização); para cada uma delas, seleccione os estágios da cadeia de fornecimento que melhor representam a área de operação da organização.**

	Reporte de commodities	Estágio da cadeia de valor	Explicação, caso não seja divulgada
Produto florestal madeireiro	Divulgando	Processamento	<Not Applicable>
Óleo de palma	Não divulgando	Processamento	This raw material is used in the base mass of soap that is made from vegetable oils and animal fats. JBS New Business transforms raw materials from other company operations into products with high added value, as well as operating with related companies, promoting innovation, efficiency and sustainable practices, and fostering the circular economy. However, the cost of the volume of palm oil purchased is not representative within the company's operations, of which it amounts to only 0.45% of the total raw material cost (JBS Brazil)The company has some business units that produce hygiene and cleaning products with palm oil imported from Malaysia and Indonesia and its suppliers are part of the Roundtable on Sustainable Palm Oil - RSPO, which has developed a set of environmental and social criteria, which companies must meet in order to produce Certified Sustainable Palm Oil (CSPO). Palm oil is also used in the food industry, in the frying process of pre-made foods and industrialized products. In this case 100% of the palm oil is used in the food industry, in the process of frying pre-made and industrialized products. The oil is produced in Brazil, following sustainable production certification standards. Due to its low representation in the company's operation, revenue and demand, and its purchase is 100% backed by zero deforestation certification, palm oil will not be reported in this CDP.
Produtos da pecuária	Divulgando	Processamento	<Not Applicable>
Soja	Divulgando	Processamento	<Not Applicable>
Outro – Borracha	Esta commodity não é produzida, obtida ou utilizada pela nossa organização	<Not Applicable>	<Not Applicable>
Outro – Cacau	Esta commodity não é produzida, obtida ou utilizada pela nossa organização	<Not Applicable>	<Not Applicable>
Outro – Café	Esta commodity não é produzida, obtida ou utilizada pela nossa organização	<Not Applicable>	<Not Applicable>

## F0.5

**(F0.5) Há alguma parte das operações diretas ou da cadeia de fornecimento não incluída neste reporte?**

Sim

## F0.5a

**(F0.5a) Identifique as partes das operações diretas ou da cadeia de fornecimento não incluídas no reporte.**

Estágio da cadeia de valor	Exclusão	Descrição da exclusão	Potencial para risco florestal	Explique
Operações diretas	Pais/área geográfica	Operations that are not located in Brazil are not part of this disclosure due to lower deforestation risks associated to commodities.	Sem potencial	The company's approach to prevent the use of commodities from deforested areas has a focus on Brazilian operations, which offer a higher level of risk in this issue. The country's agricultural frontier expansion to the north leads to a pressure on areas of the Amazon ecosystem to become economically exploited. In other countries where JBS have large businesses, cattle breeding is predominantly in an intensive handling culture (confinement) or the type of biome prevailing is different from forest. Even so, aiming to identifying and mitigating any risk associated with deforestation, JBS has been increasingly improving the mapping approach of its international operations.
Cadeia de fornecimento	Fornecedor(es) específico(s)	Part of indirect suppliers of beef from Brazil	Potencial para risco relacionado a florestas, avaliado, mas não divulgado para o CDP	The efforts of data collection, supplier information and analysis of the socio-environmental monitoring system have been expanded to cover all Brazilian biomes (Cerrado, Pantanal, Atlantic Forest and Caatinga) are limited-partly-to direct cattle suppliers. The traceability of the entire meat chain, can be achieved in the medium term. As one of the biggest challenges in the entire supply chain, to track all stages of the supply chain includes indirect suppliers (those who sell animals to JBS direct suppliers), thus the accessing to information is essential. The indirect supplier issue is structural and quite different from direct supplier monitoring approaches and requires collaborative work and a solid approach at the industry level, rather than the traditional view of full animal traceability. In this way, JBS has invested in projects to assess its approach to direct and indirect suppliers. The company does not have access to Animal Transit Forms (GTA) for its indirect suppliers - the forms are only available to the government. So, the JBS is working on a blockchain technology to ensure the data safety while suppliers' socioenvironmental criteria has been analysed. At no time will JBS have access to sensitive information, having access only to the consolidated analysis of its suppliers. Through blockchain technology, it will be possible to maintain the commitment to the confidentiality of third-party information. As a fundamental part of the project, an engagement strategy with the chain is being developed to accelerate the construction of a positive register of producers in accordance with social and environmental standards. All JBS beef suppliers must join the program by the end of 2025.
Cadeia de fornecimento	Fornecedor(es) específico(s)	Suppliers of Palm oil from Malaysia, Indonesia and Brazil	Potencial para risco relacionado a florestas, avaliado, mas não divulgado para o CDP	This raw material is used in the base mass of soap that is made from vegetable oils and animal fats. JBS New Business transforms raw materials from other company operations into products with high added value, as well as operating with related companies, promoting innovation, efficiency and sustainable practices, and fostering the circular economy. However, the cost of the volume of palm oil purchased is not representative within the company's operations, of which it amounts to only 0.45% of the total raw material cost (JBS Brazil). The company has some business units that produce hygiene and cleaning products with palm oil imported from Malaysia and Indonesia and its suppliers are part of the Roundtable on Sustainable Palm Oil - RSPO, which has developed a set of environmental and social criteria, which companies must meet in order to produce Certified Sustainable Palm Oil (CSPO). Palm oil is also used in the food industry, in the frying process of pre-made foods and industrialized products. In this case 100% of the palm oil is used in the food industry, in the process of frying pre-made and industrialized products. The oil is produced in Brazil, following sustainable production certification standards. Due to its low representation in the company's operation, revenue and demand, and its purchase is 100% backed by zero deforestation certification, palm oil will not be reported in this CDP.

**F0.6**

**(F0.6) A organização tem um código ISIN ou outro identificador único (por ex., Ticker, CUSIP etc.)?**

Indique se é possível apresentar um identificador único para a organização	Forneça o identificador único
Sim, um código ISIN	BRJBSACNOR8
Sim, um código CUSIP	466110103
Sim, um símbolo no Ticker	JBSS3
Sim, um símbolo no Ticker	JBSAY
Sim, um código ISIN	US4661101034
Sim, um código SEDOL	B3K5JC0 US

**F1. Estado atual**

**F1.1**

**(F1.1) Como a organização produz, utiliza ou vende as commodities divulgadas?**

## Produto florestal madeireiro

### Atividade

Uso como insumo na fabricação de produtos

### Forma da commodity

Toras de madeira dura  
Papel  
Tábuas, compensados, derivados de madeira  
Embalagem secundária  
Bioenergia à base de madeira

### Fonte

Fornecedores contratados (processadores)  
Fornecedores contratados (fabricantes)

### País/área de origem

Brasil

### % dos gastos com aquisições

1-5%

### Comentários

Consumption of representative forest products-biomass for boiler fuel and production of cardboard for packaging products for distribution - in Brazilian operations that may be associated with the risk of deforestation. The % of acquisition expenditure refers to net revenues obtained by JBS Brasil and Seara.

## Produtos da pecuária

### Atividade

Abate

### Forma da commodity

Gado  
Sebo  
Carne  
Derivados (ex.: glicerina, gelatina)  
Couro

### Fonte

Terras próprias/administradas  
Pequenos produtores  
Produtor de contratos múltiplos  
Comerciante/agente/mercado de commodities

### País/área de origem

Brasil

### % dos gastos com aquisições

81-90%

### Comentários

Cattle is the main raw material of Brazilian operations (JBS Brasil) - COGS breakdown. The % of acquisition expenditure refers to net revenues obtained by JBS Brasil.

## Soja

### Atividade

Outro, especifique (Feeding pork and poultry (animal diet))

### Forma da commodity

Farinha de soja  
Outro, especifique (deactivated soy)

### Fonte

Comerciante/agente/mercado de commodities  
Fornecedores contratados (processadores)  
Fornecedores contratados (fabricantes)

### País/área de origem

Brasil

### % dos gastos com aquisições

6-10%

### Comentários

Seara uses soy to manufacture animal feed, which is used in farms of poultry and pork (company's own farms or on integrated farms). The % of acquisition expenditure refers to net revenues obtained by Seara.

## F1.2

---

**(F1.2) Indique a porcentagem da receita da organização que dependia das commodities de risco florestal divulgadas no ano de reporte.**

	% da receita dependente da commodity	Comentários
Produto florestal madeireiro	21-30%	This range of percentage considers only brazilian JBS operations that are dependent of timber from areas with potential deforestation risk - in relation to JBS's global revenue.
Óleo de palma	<Not Applicable>	<Not Applicable>
Produtos da pecuária	11-20%	This range of percentage considers only brazilian JBS operations that are dependent of cattle from areas with potential deforestation risk - in relation to JBS's global revenue.
Soja	6-10%	This range of percentage considers only brazilian JBS operations that are dependent of soy from areas with potential deforestation risk - in relation to JBS's global revenue.
Outro – Borracha	<Not Applicable>	<Not Applicable>
Outro – Cacau	<Not Applicable>	<Not Applicable>
Outro – Café	<Not Applicable>	<Not Applicable>

**F1.5****(F1.5) A organização coleta dados de produção e/ou consumo para as commodities divulgadas?**

	Disponibilidade de dados/Reporte
Produto florestal madeireiro	Dados de consumo disponíveis sendo divulgados
Óleo de palma	<Not Applicable>
Produtos da pecuária	Dados de consumo disponíveis sendo divulgados
Soja	Dados de consumo disponíveis sendo divulgados
Outro – Borracha	<Not Applicable>
Outro – Cacau	<Not Applicable>
Outro – Café	<Not Applicable>

**F1.5a****(F1.5a) Divulgue o valor de produção e/ou consumo e a porcentagem dos volumes de commodities verificada como livre de desmatamento e/ou conversão.****commodity de risco florestal**

Produto florestal madeireiro

**Tipo de dados**

Dados de consumo

**Volume de produção/consumo da commodity**

17413015

**Métrica para o volume de produção/consumo da commodity**

Outro, especifique (Giga Joule – GJ)

**Abrangência dos dados**

Consumo/produção total da commodity

**Alguns dos volumes de commodities reportados foi verificado como livre de desmatamento e/ou conversão?**

Sim

**% do volume reportado verificado como livre de desmatamento e/ou conversão**

100

**Explique**

In the case of wood (biomass used as fuel for industrial boilers) 100% of timber suppliers have to present the Forest Origin Document, which is a mandatory license established by the Ministry of the Environment (MMA) for the control of native forestry product and sub product transportation and commercialization. It presents information on the origin, destination, quantity and purpose of transportation. To mitigate the risk of purchasing timber from suppliers involved in deforestation, JBS established a Normative Instruction of Biomass Purchasing, stating that only suppliers legalized by the competent environmental authorities are able to negotiate materials with the company.

JBS has established environmental and social criteria – against slave labor and deforestation – for the purchase of biomass (used as boiler fuel). The company does not acquire under any circumstances, if it is evidenced:

- Illegally exploited biomass;
- Biomass exploited in violation of traditional and human rights;
- Biomass from forests and/or exploration sites, in which there are high conservation values, and these are threatened by management activities without regulation and/or authorization from competent bodies;
- Biomass from forests and/or exploitation sites, where child labor and/or slavery-like labor are used;
- Biomass from forests and/or exploration sites, in which the direct origin of areas embargoed by competent bodies is verified. At the time of supplier registration, JBS demands that it present documents that prove compliance with all the social and environmental criteria stipulated by the company, being able to carry out visits and audits to the supplier at any time.

**commodity de risco florestal**

Produtos da pecuária

**Tipo de dados**

Dados de consumo

**Volume de produção/consumo da commodity**

**Métrica para o volume de produção/consumo da commodity**

Outro, especifique (animals million)

**Abrangência dos dados**

Consumo/produção total da commodity

**Algum dos volumes de commodities reportados foi verificado como livre de desmatamento e/ou conversão?**

Sim

**% do volume reportado verificado como livre de desmatamento e/ou conversão**

100

**Explique**

The cattle procurement operations and the entire monitoring system of suppliers are audited annually and independently. The standard used was adopted by agreement between the stakeholders of the public Livestock agreement. The results of the audits are published on the JBS website. The independent audits reveal that, since 2013, more than 99% of JBS cattle purchases from farms located in the Amazon region complied with the company's social and environmental criteria and with its agreement with the commitment, called the "Public Livestock Commitment". In 2021 100% of the purchases evaluated from direct suppliers met our socio-environmental criteria.

**commodity de risco florestal**

Soja

**Tipo de dados**

Dados de consumo

**Volume de produção/consumo da commodity**

1979488

**Métrica para o volume de produção/consumo da commodity**

Toneladas métricas

**Abrangência dos dados**

Consumo/produção total da commodity

**Algum dos volumes de commodities reportados foi verificado como livre de desmatamento e/ou conversão?**

Sim

**% do volume reportado verificado como livre de desmatamento e/ou conversão**

100

**Explique**

The company only purchases soy from suppliers that signed the Soy Moratorium. Thus, 100% of JBS soy suppliers, in Amazon biome, are in compliance with Soy Moratorium criteria. In 2017, the due diligence process was established, relies on an automated tool developed especially for third-party reputational risk assessment. Thus, at the time of registration, third parties listed in risk categories will be automatically evaluated by software, being released or disapproved if negative reputational aspects are identified. Currently, the segments mapped with relevant risks are analysed, including any third party that needs a proxy to

## F1.5b

**(F1.5b) Para as commodity(ies) divulgadas, indique a porcentagem do volume de produção/consumo obtida por jurisdição de origem nacional e/ou subnacional.****commodity de risco florestal**

Produtos da pecuária

**País/área de origem**

Brasil

**Estado ou jurisdição equivalente**

Especifique o estado/jurisdição equivalente (Midwest)

**% do volume total de produção/consumo**

59,3

**Explique**

The fractions of the commodity originating from each jurisdiction are calculated based on the procurement information. JBS has a Responsible Procurement Policy for all raw materials containing a range of social and environmental criteria that apply during supplier selection.

JBS does not purchase animals from farms involved in deforestation of the Amazon and Cerrado biomes, invasion of indigenous or environmental conservation units, Quilombola communities lands, or farms located in areas embargoed by the Brazilian Institute for the Environment and Natural Resources (IBAMA). Furthermore, the Company does not purchase cattle suppliers who use indentured forced labor and it conducts other risk assessments throughout the supply chain.

In 2010, the company implemented a system that monitors and verifies conditions on all direct supplier properties to ensure that all animal purchases comply with the social and environmental criteria. Every day, JBS analyses more than 85,000 cattle suppliers in Brazil – around 15 thousand have already been suspended - using satellite imagery, farm geo-referencing data and information from government agencies. The JBS monitoring system analyses satellite imagery of supplier farms and covers around 850 thousand km<sup>2</sup> (210 million acres) and over 1,990 municipal regions in every Brazilian biome.

JBS's cattle procurement operations and its entire supplier monitoring system are audited every year by independent auditors and the audit results are published on the JBS website.

**commodity de risco florestal**

Produtos da pecuária

**País/área de origem**

Brasil

**Estado ou jurisdição equivalente**

Especifique o estado/jurisdição equivalente (South)

#### % do volume total de produção/consumo

0

#### Explique

The fractions of the commodity originating from each jurisdiction are calculated based on the procurement information. JBS has a Responsible Procurement Policy for all raw materials containing a range of social and environmental criteria that apply during supplier selection.

JBS does not purchase animals from farms involved in deforestation of the Amazon and Cerrado biomes, invasion of indigenous or environmental conservation units, Quilombola communities lands, or farms located in areas embargoed by the Brazilian Institute for the Environment and Natural Resources (IBAMA). Furthermore, the Company does not purchase cattle suppliers who use indentured forced labor and it conducts other risk assessments throughout the supply chain.

In 2010, the company implemented a system that monitors and verifies conditions on all direct supplier properties to ensure that all animal purchases comply with the social and environmental criteria. Every day, JBS analyses more than 85,000 cattle suppliers in Brazil – around 15 thousand have already been suspended - using satellite imagery, farm geo-referencing data and information from government agencies. The JBS monitoring system analyses satellite imagery of supplier farms and covers around 850 thousand km2 (210 million acres) and over 1,990 municipal regions in every Brazilian biome.

JBS's cattle procurement operations and its entire supplier monitoring system are audited every year by independent auditors and the audit results are published on the JBS website.

---

#### commodity de risco florestal

Produtos da pecuária

#### País/área de origem

Brasil

#### Estado ou jurisdição equivalente

Especifique o estado/jurisdição equivalente (Southeast)

#### % do volume total de produção/consumo

15.3

#### Explique

The fractions of the commodity originating from each jurisdiction are calculated based on the procurement information. JBS has a Responsible Procurement Policy for all raw materials containing a range of social and environmental criteria that apply during supplier selection.

JBS does not purchase animals from farms involved in deforestation of the Amazon and Cerrado biomes, invasion of indigenous or environmental conservation units, Quilombola communities lands, or farms located in areas embargoed by the Brazilian Institute for the Environment and Natural Resources (IBAMA). Furthermore, the Company does not purchase cattle suppliers who use indentured forced labor and it conducts other risk assessments throughout the supply chain.

In 2010, the company implemented a system that monitors and verifies conditions on all direct supplier properties to ensure that all animal purchases comply with the social and environmental criteria. Every day, JBS analyses more than 85,000 cattle suppliers in Brazil – around 15 thousand have already been suspended - using satellite imagery, farm geo-referencing data and information from government agencies. The JBS monitoring system analyses satellite imagery of supplier farms and covers around 850 thousand km2 (210 million acres) and over 1,990 municipal regions in every Brazilian biome.

JBS's cattle procurement operations and its entire supplier monitoring system are audited every year by independent auditors and the audit results are published on the JBS website.

---

#### commodity de risco florestal

Produtos da pecuária

#### País/área de origem

Brasil

#### Estado ou jurisdição equivalente

Especifique o estado/jurisdição equivalente (North)

#### % do volume total de produção/consumo

23.1

#### Explique

The fractions of the commodity originating from each jurisdiction are calculated based on the procurement information. JBS has a Responsible Procurement Policy for all raw materials containing a range of social and environmental criteria that apply during supplier selection.

JBS does not purchase animals from farms involved in deforestation of the Amazon and Cerrado biomes, invasion of indigenous or environmental conservation units, Quilombola communities lands, or farms located in areas embargoed by the Brazilian Institute for the Environment and Natural Resources (IBAMA). Furthermore, the Company does not purchase cattle suppliers who use indentured forced labor and it conducts other risk assessments throughout the supply chain.

In 2010, the company implemented a system that monitors and verifies conditions on all direct supplier properties to ensure that all animal purchases comply with the social and environmental criteria. Every day, JBS analyses more than 85,000 cattle suppliers in Brazil – around 15 thousand have already been suspended - using satellite imagery, farm geo-referencing data and information from government agencies. The JBS monitoring system analyses satellite imagery of supplier farms and covers around 850 thousand km2 (210 million acres) and over 1,990 municipal regions in every Brazilian biome.

JBS's cattle procurement operations and its entire supplier monitoring system are audited every year by independent auditors and the audit results are published on the JBS website.

---

#### commodity de risco florestal

Produtos da pecuária

#### País/área de origem

Brasil

#### Estado ou jurisdição equivalente

Especifique o estado/jurisdição equivalente (Northeast)

#### % do volume total de produção/consumo

2.3

#### Explique

The fractions of the commodity originating from each jurisdiction are calculated based on the procurement information. JBS has a Responsible Procurement Policy for all raw materials containing a range of social and environmental criteria that apply during supplier selection.

JBS does not purchase animals from farms involved in deforestation of the Amazon and Cerrado biomes, invasion of indigenous or environmental conservation units, Quilombola communities lands, or farms located in areas embargoed by the Brazilian Institute for the Environment and Natural Resources (IBAMA). Furthermore, the Company does not purchase cattle suppliers who use indentured forced labor and it conducts other risk assessments throughout the supply chain.

In 2010, the company implemented a system that monitors and verifies conditions on all direct supplier properties to ensure that all animal purchases comply with the social

---

and environmental criteria. Every day, JBS analyses more than 85,000 cattle suppliers in Brazil – around 15 thousand have already been suspended - using satellite imagery, farm geo-referencing data and information from government agencies. The JBS monitoring system analyses satellite imagery of supplier farms and covers around 850 thousand km<sup>2</sup> (210 million acres) and over 1,990 municipal regions in every Brazilian biome.

JBS's cattle procurement operations and its entire supplier monitoring system are audited every year by independent auditors and the audit results are published on the JBS website.

---

**commodity de risco florestal**

Soja

**País/área de origem**

Brasil

**Estado ou jurisdição equivalente**

Especifique o estado/jurisdição equivalente (Brazil's Legal Amazon (BLA))

**% do volume total de produção/consumo**

11.6

**Explique**

Large-scale chicken processors are typically vertically integrated, owning and creating matrices for the production of hatching eggs. Once birds are born, they are transported to growth farms (farms), contracted where they develop. The processor provides breeders with chicks, food (animal feed produced from corn and soybean meal) and veterinary services. Animals must be fed exclusively with rations formulated by own company, by nutritionists specialized in poultry and swine, in a composition that includes corn, soy and other grains and does not use any type of hormone, in accordance with Brazilian legislation.

---

**commodity de risco florestal**

Soja

**País/área de origem**

Brasil

**Estado ou jurisdição equivalente**

Especifique o estado/jurisdição equivalente (Other Brazilian Regions)

**% do volume total de produção/consumo**

88.4

**Explique**

Large-scale chicken processors are typically vertically integrated, owning and creating matrices for the production of hatching eggs. Once birds are born, they are transported to growth farms (farms), contracted where they develop. The processor provides breeders with chicks, food (animal feed produced from corn and soybean meal) and veterinary services. Animals must be fed exclusively with rations formulated by own company, by nutritionists specialized in poultry and swine, in a composition that includes corn, soy and other grains and does not use any type of hormone, in accordance with Brazilian legislation.

---

**commodity de risco florestal**

Produto florestal madeireiro

**País/área de origem**

Brasil

**Estado ou jurisdição equivalente**

Especifique o estado/jurisdição equivalente (Brazil's Legal Amazon (BLA))

**% do volume total de produção/consumo**

14

**Explique**

In the case of wood (biomass used as fuel for industrial boilers) 100% of timber suppliers have to present the Forest Origin Document, which is a mandatory license established by the Ministry of the Environment (MMA) for the control of native forestry product and sub product transportation and commercialization. It presents information on the origin, destination, quantity and purpose of transportation.

---

**commodity de risco florestal**

Produto florestal madeireiro

**País/área de origem**

Brasil

**Estado ou jurisdição equivalente**

Especifique o estado/jurisdição equivalente (Other Brazilian Regions)

**% do volume total de produção/consumo**

86

**Explique**

In the case of wood (biomass used as fuel for industrial boilers) 100% of timber suppliers have to present the Forest Origin Document, which is a mandatory license established by the Ministry of the Environment (MMA) for the control of native forestry product and sub product transportation and commercialization. It presents information on the origin, destination, quantity and purpose of transportation.

---

**F1.6**

**(F1.6) A organização sofreu algum impacto florestal negativo?**

Sim



**(F1.6a) Descreva os impactos negativos relacionados às florestas sofridos pela organização, sua resposta e o impacto financeiro total.****commodity de risco florestal**

Produto florestal madeireiro

**Tipo de indicador de impacto**

Físico

**Principal indicador de impacto**

Alteração nos padrões das precipitações

**Principal impacto**

Restrição ao crescimento

**Descrição do impacto**

Longer periods without rains can also affect the operation due to the lack of biomass or higher purchase costs, as well as excessive rains and floods can impact on the transportation of essential raw material.

**Principal resposta**

Implementação de boas práticas ambientais nas operações diretas

**Impacto financeiro total****Descrição da resposta**

JBS develops projects, which aims to reuse industrial waste as alternative fuel, for example reusing the bovine rumen content (25kg generated for each animal processed) is possible to generate thermal and steam-based energy. JBS Seara also reuse poultry fat to generate heat energy to partially replace fuel like timber. This change reduces the consumption of biomass and fossil fuels for the boilers and reduces GHG emissions. It is important to note that the figures refer to the total operations of JBS in Brazil, where there is the risk of the forest commodity be associated with reported drought situations may occur only in certain regions of the country - thus the actual impact will probably be less than calculated. We have increasingly refined our processes to understand the risks and impacts in all aspects, including financial.

**commodity de risco florestal**

Produto florestal madeireiro

**Tipo de indicador de impacto**

Regulatório

**Principal indicador de impacto**

Incerteza regulatória

**Principal impacto**

Aumento nos custos operacionais

**Descrição do impacto**

JBS has established environmental and social criteria – against slave labour and deforestation - for biomass purchase (used as boiler fuel). If there are not local suppliers following these criteria, the purchase will have to be made from more distant suppliers, resulting in higher transportation costs.

**Principal resposta**

Maior conformidade com as exigências regulatórias

**Impacto financeiro total****Descrição da resposta**

JBS informs and guides its suppliers regarding its social and environmental criteria and attempt to diversify its supply chain. To mitigate the risk of purchasing timber from suppliers involved in deforestation, JBS established a Normative Instruction of Biomass Purchasing, stating that only suppliers legalized by the competent environmental authorities are able to negotiate materials with the company. We have increasingly refined our processes to understand the risks and impacts in all aspects, including financial.

**commodity de risco florestal**

Produtos da pecuária

**Tipo de indicador de impacto**

Físico

**Principal indicador de impacto**

Alteração nos padrões das precipitações

**Principal impacto**

Aumento nos custos operacionais

**Descrição do impacto**

Long scarce rain periods can also affect the operation due to of the lack of raw material or higher purchase costs, as well as excessive rains and floods can affect the transportation of essential raw material. Higher costs of raw material may affect the entire cattle production chain, creating an indirect impact in the expansion of operations and in some cases may even result in the closure of units.

**Principal resposta**

Engajamento com os fornecedores

**Impacto financeiro total****Descrição da resposta**

Diversification of suppliers, due to lower supply of cattle, and availability of confined animals. Production planning can be changed to units located in less favourable regions to water stress. JBS has been working with a chain of suppliers to enable producers to improve production through production management, called Connection Program. The initiative provides livestock breeders with commercial Training. Through a platform, the program intends to build a stronger relationship between the producer and the value chain by providing information on meat processing, marketing and sales. Fazenda Nota 10 Program - Open to all of Friboi's registered suppliers across the country, which fully comply with the Company's strict socio-environmental compliance criteria, the FN10's central focus is the comparison of results between participating farms. This is a parameter that motivates ranchers to implement practices that generate results in other properties, following an efficient management model. Open to any type of

producer, regardless of the size of the property and production capacity, the program brings in its schedule of meetings, discussions on other topics, such as standardization of metrics, success models, training, people management, among other issues. We have increasingly refined our processes to understand the risks and impacts in all aspects, including financial.

---

**commodity de risco florestal**

Produtos da pecuária

**Tipo de indicador de impacto**

Regulatório

**Principal indicador de impacto**

Incerteza regulatória

**Principal impacto**

Aumento nos custos operacionais

**Descrição do impacto**

JBS has made a public commitment to not purchase cattle from ranches responsible for deforestation in the Amazon Biome region, as well as those that use labor analogous to slavery or trespass indigenous lands or environmental protected areas delimitation. The public agreement that establishes criteria for cattle purchases from properties located in the Amazon Biome region is also known by Zero Deforestation Commitment and its requirements are under the document "Minimum criteria for industrial scale operations with cattle and beef products in the Amazon". Additionally, the lack of environmental compliance of the cattle suppliers can go against the JBS social and environmental commitment and other agreements made by the company, for instance: One resource to establish traceability by JBS is the Amazon TAC(Conduct Adjustment Term), which was signed in 2009 and renovated in 2013. This new agreement standardizes the obligations to be met by all JBS refrigeration units in the Amazon region, renewing the commitment of one of the largest processors of animal protein in the world in requiring their suppliers to comply with legal and socioenvironmental criteria as a prerequisite for the purchase of animals for slaughtering.

**Principal resposta**

Implementação de boas práticas ambientais nas operações diretas

**Impacto financeiro total**

24133460

**Descrição da resposta**

JBS monitors and selects its suppliers based on its socioenvironmental criteria, such as, for example, not purchasing raw material from deforested land. In this sense, meeting the requirements of the Socio-Environmental Monitoring System is mandatory for all farms located in the Amazon Biome and annually the basis for the purchase of livestock is verified by an independent audit using a sampling method. The Supply Chain Seal program, which certifies criteria to guarantee food safety and standards of customer requirements, brings together protocols on topics such as animal welfare, traceability, sustainability and production. In 2019, Friboi entered into a partnership with the Liga do Araguaia, formed by ranchers from the region of Middle Valley of Araguaia (MT), in order to promote the development of sustainable livestock with the support of local producers. The JBS Green Offices program aims to generate engagement and support direct and indirect suppliers in the environmental regularization of their properties. The program is distributed in 15 offices, through partnerships specialized in environmental regularization of rural properties and has supported producers in the regularization of deforestation, through the Environmental Regularization Program, and situations of environmental embargoes. In 2021, the Green Offices have already benefited more than 3,000 suppliers representing the acquisition of more than 1 million head of cattle in socio-environmental compliance.

---

**commodity de risco florestal**

Produtos da pecuária

**Tipo de indicador de impacto**

Reputacional e de mercado

**Principal indicador de impacto**

Cobertura midiática negativa

**Principal impacto**

Danos à marca

**Descrição do impacto**

The Non-Governmental Organization Greenpeace has been studying the behaviour of the production chain for cattle raising in the Amazon region since 2007. In 2009, after a long investigation, the organization published its report "Slaughtering the Amazon", which highlighted the relationship between the processing companies and their cattle suppliers involved with forest clearance and slave labor, and the products offered for sale in the market. JBS was one of the processing companies that were on the list. In fact, it brought negative impacts to JBS' image as well as with its customers.

**Principal resposta**

Implementação de boas práticas ambientais nas operações diretas

**Impacto financeiro total****Descrição da resposta**

JBS has made a public commitment to not purchase cattle from ranches responsible for deforestation in the Amazon Biome region and those that use labor analogous to slavery or trespass indigenous lands or environmental protected areas. In 2010, JBS developed a social and environmental monitoring system to remain in compliance with the commitment, according to the results of the independent audit for direct suppliers. As a significant result of its public commitment, JBS was mentioned in a study prepared for Greenpeace as one of the three biggest Brazilian frigorific company which has been complying with the public commitment, reporting audit results regarding its purchase monitoring system and how its actions has been changing the market in a positive way. Another study published in the scientific journal Conservation Letters, by Professor Holly Gibbs of the University of Wisconsin, shows that the JBS's Commitment has been helping to reduce deforestation and this has occurred by market pressure, which has adopted stricter criteria for purchase. Through a case study, it was demonstrated that the company's requirements were determinant for producers to seek environmental regularization through the CAR- driving a positive impact on the chain of livestock suppliers. We have increasingly refined our processes to understand the risks and impacts in all aspects, including financial.

---

**commodity de risco florestal**

Soja

**Tipo de indicador de impacto**

Físico

**Principal indicador de impacto**

Alteração nos padrões das precipitações

**Principal impacto**

Aumento nos custos operacionais

**Descrição do impacto**

Longer periods without rains also can affect the operation because of the lack of soy or higher purchase costs, as well as excessive rains and floods can affect the transportation of essential raw material. Higher costs of soy may affect the entire poultry and pork production chain, creating an indirect impact in the expansion of operations and in some cases may even result in the closure of units.

**Principal resposta**

Diversificação de fornecedores

**Impacto financeiro total****Descrição da resposta**

Seara constantly monitors meteorological maps, reports of crops changes, supply and global demand images/graphics, prices, curves and economic scenarios, identifying, monitoring and creating strategies to mitigate risks that company are exposed and reduce its possible effects on JBS operations. The Grain Purchasing Directory is responsible for this monitoring process and for developing the medium and long term strategic planning of commodities acquisition. Commodity markets are characterized by high volatility due to external factors such as climate, supply, transport costs, agricultural policies, storage costs, among others. The Risk Control Board is responsible for mapping the Company's commodity price exposures and proposing to the Risk Management Committee strategies to mitigate such exposures. We have increasingly refined our processes to understand the risks and impacts in all aspects, including financial.

---

**commodity de risco florestal**

Soja

**Tipo de indicador de impacto**

Regulatório

**Principal indicador de impacto**

Outro fator regulatório, especifique (Soy moratorium and voluntary agreements)

**Principal impacto**

Aumento nos custos operacionais

**Descrição do impacto**

Despite of the fact that in 2016 the soy moratorium was renovated for undetermined period, in 2015 it was renovated just for one year, creating a risk exposure scenario for JBS.

**Principal resposta**

Alteração dos compromissos relacionados às florestas existentes

**Impacto financeiro total****Descrição da resposta**

The end of Soy Moratorium could represent significant risks to the company once would be not possible to guarantee free deforestation of soy purchase. We have increasingly refined our processes to understand the risks and impacts in all aspects, including financial.

---

**F1.7**

---

**(F1.7) Indique se a organização avaliou a pegada de desmatamento ou conversão para suas <i>commodities</i> divulgadas ao longo dos últimos cinco anos ou desde uma data de corte especificada, e dê detalhes.**

**<i>Commodity </i>de risco florestal**

Soja

**A organização monitorou ou estimou sua pegada de desmatamento/conversão?**

Não, mas planejamos monitorar ou estimar nossa pegada de desmatamento/conversão nos próximos dois anos

**Abrangência**

<Not Applicable>

**O desmatamento/conversão desde uma data de corte especificada ou durante os últimos cinco anos está sendo reportado?**

<Not Applicable>

**Pegada de desmatamento/conversão conhecida ou estimada (hectares)**

<Not Applicable>

**Descreva os métodos e as fontes de dados utilizados para monitorar ou estimar a pegada de desmatamento/conversão**

<Not Applicable>

---

**<i>Commodity </i>de risco florestal**

Produto florestal madeireiro

**A organização monitorou ou estimou sua pegada de desmatamento/conversão?**

Sim, estimamos a pegada de desmatamento/conversão com base na área de obtenção

**Abrangência**

Volume total de consumo

**O desmatamento/conversão desde uma data de corte especificada ou durante os últimos cinco anos está sendo reportado?**

Outro, especifique (, Since the implementation of the Responsible Purchasing Policy)

**Pegada de desmatamento/conversão conhecida ou estimada (hectares)**

0

**Descreva os métodos e as fontes de dados utilizados para monitorar ou estimar a pegada de desmatamento/conversão**

JBS has established environmental and social criteria – against slave labor and deforestation – for the purchase of biomass (used as boiler fuel). The company does not acquire under any circumstances, if it is evidenced:

- Illegally exploited biomass;
- Biomass exploited in violation of traditional and human rights;
- Biomass from forests and/or exploration sites, in which there are high conservation values, and these are threatened by management activities without regulation and/or authorization from competent bodies;
- Biomass from forests and/or exploitation sites, where child labor and/or slavery-like labor are used;
- Biomass from forests and/or exploration sites, in which the direct origin of areas embargoed by competent bodies is verified. At the time of supplier registration, JBS demands that it present documents that prove compliance with all the social and environmental criteria stipulated by the company, being able to carry out visits and audits to the supplier at any time.

---

**<i>Commodity </i>de risco florestal**

Produtos da pecuária

**A organização monitorou ou estimou sua pegada de desmatamento/conversão?**

Sim, monitoramos a pegada de desmatamento/conversão na nossa cadeia de fornecimento

**Abrangência**

Volume total de consumo

**O desmatamento/conversão desde uma data de corte especificada ou durante os últimos cinco anos está sendo reportado?**

Desde uma data de corte especificada; especifique o ano (2008)

**Pegada de desmatamento/conversão conhecida ou estimada (hectares)**

0

**Descreva os métodos e as fontes de dados utilizados para monitorar ou estimar a pegada de desmatamento/conversão**

Considering only direct suppliers in their entirety. JBS does not purchase animals from farms involved in deforestation of the Amazon and Cerrado biomes, invasion of indigenous or environmental conservation units, Quilombola communities lands, or farms located in areas embargoed by the Brazilian Institute for the Environment and Natural Resources (IBAMA). Furthermore, the Company does not purchase cattle suppliers who use indentured forced labor and it conducts other risk assessments throughout the supply chain.

In 2010, the company implemented a system that monitors and verifies conditions on all direct supplier properties to ensure that all animal purchases comply with the social and environmental criteria. Every day, JBS analyses more than 85,000 cattle suppliers in Brazil – around 15 thousand have already been suspended - using satellite imagery, farm geo-referencing data and information from government agencies. The JBS monitoring system analyses satellite imagery of supplier farms and covers around 850 thousand km<sup>2</sup> (210 million acres) and over 1,990 municipal regions in every Brazilian biome.

JBS's cattle procurement operations and its entire supplier monitoring system are audited every year by independent auditors and the audit results are published on the JBS website.

---

## F2. Procedimentos

---

### F2.1

---

**(F2.1) A organização adota uma avaliação de riscos florestais?**

Sim, os riscos florestais são avaliados

F2.1a

---

**(F2.1a) Selecione as opções que melhor descrevem os procedimentos para identificar e avaliar os riscos florestais.**

**Produto florestal madeireiro**

**Estágio da cadeia de valor**

Cadeia de fornecimento

**Abrangência**

Total

**Procedimento de avaliação de riscos**

Avaliados em uma avaliação de risco ambiental

**Frequência da avaliação**

Mais de uma vez por ano

**Até que momento no futuro os riscos são levados em consideração?**

> 6 anos

**Ferramentas e métodos usados**

Métodos internos da empresa

Consultores externos

Ferramentas e bancos de dados nacionais específicos

Outro, especifique (FSC Global Forest Registry)

**Problemas levados em consideração**

Disponibilidade das commodities de risco florestal

Impacto da atividade para as condições dos ecossistemas e dos habitats

Regulamentação

Mudanças climáticas

Aumento nas tarifas ou preços

Mercados irregulares

Danos à marca relacionados a commodities de risco florestal

Impactos sociais

**Partes interessadas levadas em consideração**

Clientes

Órgãos reguladores

Fornecedores

**Explique**

The verification of the supplier's compliance to the company's environmental and social criteria occurs in every purchase process. JBS requires its cardboard packaging suppliers to present the FSC certificates. JBS applies internal and / or external audits to the wood supply chain. The purchase of biomass is divided into two types: the acquisition of corporate suppliers and the one made via local purchases. Corporate suppliers are visited once a year, without prior notice. Local suppliers are visited on demand, prior to contracting or during supply, when possible deviations are identified. Still at the regional level, the company requires certificates of "nothing included", issued by the IBAMA / Competent State Environmental Agency and the Public Ministry of Labor. The supplier also cannot be included in the list of slave labor.

## Produtos da pecuária

### Estágio da cadeia de valor

Operações diretas  
Cadeia de fornecimento

### Abrangência

Total

### Procedimento de avaliação de riscos

Avaliados como parte de um quadro de gestão de riscos corporativos estabelecido

### Frequência da avaliação

Mais de uma vez por ano

### Até que momento no futuro os riscos são levados em consideração?

> 6 anos

### Ferramentas e métodos usados

Métodos internos da empresa  
Consultores externos  
Ferramentas e bancos de dados nacionais específicos  
Outro, especifique (Public information (Boi na Linha, IBAMA, MTE and INPE))

### Problemas levados em consideração

Disponibilidade das commodities de risco florestal  
Qualidade das commodities de risco florestal  
Impacto da atividade para as condições dos ecossistemas e dos habitats  
Regulamentação  
Mudanças climáticas  
Impacto para a segurança hídrica  
Aumento nas tarifas ou preços  
Perda de mercados  
Mercados irregulares  
Danos à marca relacionados a commodities de risco florestal  
Corrupção  
Impactos sociais

### Partes interessadas levadas em consideração

Clientes  
Funcionários  
Investidores  
Comunidades locais  
ONGs  
Outros usuários/produtores de commodities de risco florestal em um nível local  
Fornecedores

### Explique

JBS Brazil has a Responsible Sourcing Policy that establishes social and environmental criteria for supplier's selection. JBS has made a public social commitment to not purchase cattle from farms responsible for deforestation in the Amazon Biome region. To ensure compliance with this commitment, in 2010 JBS developed a social and environmental monitoring system for farms that supply livestock to the Company. The suppliers which aren't in comply with the criteria are automatically blocked in the Enterprise Resource Planning System (ERP) and no purchasing operations can be made. Independent audits for direct suppliers, carried out on a sampling basis over the last six years reveals 99.9% compliance of JBS's cattle purchases with the Company's socio-environmental criteria, and in 2021 it was 100%. Socio and Environmental Responsibility Committee meets quarterly and is responsible for managing risks and critical issues, as well as business opportunities for the company that may generate a high negative or positive impact on JBS's operations in the short, medium and long terms. The committee's work includes the implementation of specific policies, strategies and actions, and the evaluation of sustainability investment proposals. The Committee monitors results of the Monitoring System, including number of active suppliers on the system's registration, percentage of suppliers in the Legal Amazon, the percentage of those that already have the digital map, number of eligible and blocked suppliers. In case of opportunities to acquire or open new plants in the Amazon Biome area, JBS performs an analysis of the potential raw materials suppliers regarding their environmental compliance. Furthermore, in 2020, the project Green Office was launched, with the objective of supporting direct and indirect suppliers with environmental, technical and legal adequacy by professionals financed by the company, which aims to generate engagement and support direct and indirect suppliers in the environmental regularization of their properties such as the Environmental Regularization Program and situations of environmental embargoes. In 2021, the Green Office, distributed in 15 offices, have already benefited more than 3,000 suppliers representing the acquisition of more than 1 million head of cattle in socio-environmental compliance.

## Soja

### Estágio da cadeia de valor

Cadeia de fornecimento

### Abrangência

Total

### Procedimento de avaliação de riscos

Avaliados como parte de um quadro de gestão de riscos corporativos estabelecido

### Frequência da avaliação

Mais de uma vez por ano

### Até que momento no futuro os riscos são levados em consideração?

> 6 anos

### Ferramentas e métodos usados

Métodos internos da empresa

Ferramentas e bancos de dados nacionais específicos

### Problemas levados em consideração

Disponibilidade das commodities de risco florestal

Qualidade das commodities de risco florestal

Impacto da atividade para as condições dos ecossistemas e dos habitats

Regulamentação

Mudanças climáticas

Aumento nas tarifas ou preços

Mercados irregulares

Danos à marca relacionados a commodities de risco florestal

Impactos sociais

### Partes interessadas levadas em consideração

Clientes

Investidores

ONGs

Órgãos reguladores

Fornecedores

### Explique

The verification of the supplier's compliance in relation to the company's environmental and social criteria occurs in every purchase process. Seara has the Grains and Agricultural Feedstock Purchasing Directory that follows on climate issues that directly affect the cost of soybeans and consequently the cost of production. This Directory constantly monitors meteorological maps, reports of crops changes, supply and global demand images/graphics, prices, curves and economic scenarios, identifying, monitoring and creating strategies to mitigate the risks to which company is exposed to and reduce its possible effects on JBS operations. When soybean has a profitable price, it's made the option of buying large quantities for storage and later use. The Grains and Agricultural Feedstock Purchasing Directory is responsible for this monitoring process and for developing the medium and long term strategic planning of the commodities purchasing. Seara's business is exposed to volatility in grain prices, the variation of which results from factors outside the control of management, such as climatic factors, supply volumes, transportation costs, agricultural and other policies. Seara, in accordance with its inventory management policy, initiated its grain price risk management strategy, which includes physical consumption control, which includes expectations of future consumption, anticipated purchases, allied to operations in the future market, through the contracting of hedge futures on B3, CME and OTC, through NDFs (Non-Deliverable Forwards), in order to guarantee the market price.

## F2.2

### (F2.2) A organização mapeou sua cadeia de valor para cada uma das suas commodities divulgadas?

	Mapeamento da cadeia de valor	Razão principal para não se mapear a cadeia de valor	Explique por que a organização não mapeia sua cadeia de valor e descreva eventuais planos para introduzir o mapeamento
Produto florestal madeireiro	Sim, mapeamos parcialmente a cadeia de valor	<Not Applicable>	<Not Applicable>
Óleo de palma	<Not Applicable>	<Not Applicable>	<Not Applicable>
Produtos da pecuária	Sim, mapeamos toda a cadeia de valor	<Not Applicable>	<Not Applicable>
Soja	Não, mas planejamos mapear a cadeia de valor nos próximos dois anos	Outro, especifique (Search for best mapping practices)	The company is in the process of identifying and studying the best way to map the value chain and the best management system.
Outro – Borracha	<Not Applicable>	<Not Applicable>	<Not Applicable>
Outro – Cacau	<Not Applicable>	<Not Applicable>	<Not Applicable>
Outro – Café	<Not Applicable>	<Not Applicable>	<Not Applicable>

## F2.2a

**(F2.2a) Dê detalhes do mapeamento da cadeia de valor da organização para sua(s) commodity(ies) divulgada(s).**

**<i>Commodity </i>de risco florestal**

Produto florestal madeireiro

**Escopo do mapeamento da cadeia de valor**

Fornecedores da Camada 1

**% do total de fornecedores abrangida na(s) camada(s) selecionada(s)**

100

**Descrição do processo e da abrangência do mapeamento**

All JBS suppliers undergo a Third-Party Due Diligence process, which relies on an automated tool specifically developed for risk assessment. In line with the Global Raw Material Purchasing Policy, JBS is committed to responsible purchasing and to promoting transparency in our business. Our contracted suppliers are made aware of our Business Partners Code of Conduct, which requires them to follow all applicable laws and regulations. Our contracts have social and environmental clauses that reinforce that the company does not buy raw material if there is evidence of illegal exploitation, child or slave labor, deforestation, embargoed areas, among others.

**Suas próprias unidades de processamento principais e de produção: anexe uma lista de nomes e localizações das instalações (opcional)**

**As unidades de produção e de processamento primário dos fornecedores: anexe uma lista de nomes e localizações (opcional)**

**<i>Commodity </i>de risco florestal**

Produtos da pecuária

**Escopo do mapeamento da cadeia de valor**

Operações próprias

Fornecedores da Camada 1

Fornecedores da Camada 2

Pequenos produtores

**% do total de fornecedores abrangida na(s) camada(s) selecionada(s)**

100

**Descrição do processo e da abrangência do mapeamento**

Results for % of total suppliers covered within selected tier(s) :

- Own operations: 100%
- Tier 1 suppliers: 100%
- Tier 2 suppliers: 14%
- Smallholders: 100%

For Own Operations/Tier 1/Tier 2/Small Producers:

JBS has a Responsible Procurement Policy for all raw materials containing a range of social and environmental criteria that apply during supplier selection.

JBS does not purchase animals from farms involved in deforestation of the Amazon and Cerrado biomes, invasion of indigenous or environmental conservation units, Quilombola communities lands, or farms located in areas embargoed by the Brazilian Institute for the Environment and Natural Resources (IBAMA). Furthermore, the Company does not purchase cattle suppliers who use indentured forced labor and it conducts other risk assessments throughout the supply chain.

In 2010, the company implemented a system that monitors and verifies conditions on all direct supplier properties to ensure that all animal purchases comply with the social and environmental criteria. Every day, JBS analyses more than 85,000 cattle suppliers in Brazil – around 15 thousand have already been suspended - using satellite imagery, farm geo-referencing data and information from government agencies. The JBS monitoring system analyses satellite imagery of supplier farms and covers around 850 thousand km<sup>2</sup> (210 million acres) and over 1,990 municipal regions in every Brazilian biome.

JBS's cattle procurement operations and its entire supplier monitoring system are audited every year by independent auditors and the audit results are published on the JBS website.

Faced with the challenge of traceability of Brazilian cattle ranching, in which there is no access and availability of public data on the transit of animals that allow the development of animal traceability tools and that manage the identification and socio-environmental monitoring of properties, with the objective of to extend the control of its suppliers' suppliers, JBS launched the Transparent Livestock Platform. The tool allows direct suppliers to register and monitor their own suppliers, in order to ensure that they are complying with socio-environmental criteria during the cattle raising process. The platform developed with blockchain technology guarantees data security and privacy. The adherence of suppliers is voluntary until 2025, from 2026 onwards the adherence will be mandatory and JBS will not trade animals from producers not incorporated into this platform.

**Suas próprias unidades de processamento principais e de produção: anexe uma lista de nomes e localizações das instalações (opcional)**

2.2a.Value Chain mapping\_Cattle.pdf

**As unidades de produção e de processamento primário dos fornecedores: anexe uma lista de nomes e localizações (opcional)**

2.2a\_CompromissoPublicoPecuaria.pdf

**F3. Riscos e oportunidades**

**F3.1**

**(F3.1) Foi identificado algum risco inerente relacionado a florestas com potencial para causar um impacto financeiro ou estratégico significativo nos negócios?**

	Risco identificado?
Produto florestal madeireiro	Sim
Óleo de palma	<Not Applicable>
Produtos da pecuária	Sim
Soja	Sim
Outro – Borracha	<Not Applicable>
Outro – Cacau	<Not Applicable>
Outro – Café	<Not Applicable>



## F3.1a

---

### (F3.1a) Como a organização define um impacto financeiro ou estratégico significativo para seus negócios?

JBS defines its financial and strategic impact at the corporate level. The approach to define the impact is performed by mapping the Company's risks, which includes operational, financial and strategic effects and the effects within the operational plants and / or business. Regarding the climate change scenarios, substantive impact are those that can have adverse effects the operational results, financial and liquidity state of the Company and intervene the operations through energy failure, fuel and production shortage, damage or losses within the production or facilities, interruption of means of transportation, among others that may affect the results of the Company.

These assumptions are defined together with the Risk Control department and approved by the Board of Directors. The quantitative assessment is analysed through the materiality of the risk impact (low, medium, high, critical) based in financial KPI's. The qualitative analysis considers regulatory, image and reputation risks with the Company's stakeholders and shareholders. For example, in 2021, 3 thousand suppliers were regularized with the help of the Green Offices. These suppliers generated the slaughter of 1 million animals, around 13% of the total volume of cattle slaughtered in the year. The financial impact presented represents the total revenue generated by these suppliers that would be barred for environmental non-compliance.

## F3.1b

---

### (F3.1b) Para a(s) commodity(ies) de risco florestal divulgada(s), dê detalhes dos riscos identificados com potencial para causar um impacto financeiro ou estratégico significativo nos negócios e da resposta a esses riscos.

#### commodity de risco florestal

Produto florestal madeireiro

#### Tipo de risco

Reputacional e de mercado

#### Escala geográfica

País

#### Em que ponto da cadeia de valor ocorre o fator de risco?

Operações diretas

#### Principal fator de risco

Incerteza sobre a origem e/ou a legalidade do produto

#### Principal impacto potencial

Danos à marca

#### Descrição específica da empresa

JBS is exposed to Reputational risks in a potential situation of purchasing timber from areas with illegal deforestation of native species that could adversely affect the company's image, with a large damage to its brand resulting in loss of markets, trade embargo and termination of contracts, especially in exportations to Europe and other particular markets. The side effects of these events would be a consequent revenue and profits decrease. Market Currency, interest rate and commodity price risks when price fluctuations could affect JBS businesses. The possibility of imbalances appearing between negotiable assets and enforceable liabilities that could affect the ability to fulfill future financial obligations.

#### Prazo

1-3 anos

#### Magnitude do potencial impacto

Média

#### Probabilidade

Provável

#### É possível indicar um valor para o potencial impacto financeiro?

Não, não temos esse valor

#### Potencial impacto financeiro (moeda)

<Not Applicable>

#### Valor do potencial impacto financeiro – mínimo (moeda)

<Not Applicable>

#### Valor do potencial impacto financeiro – máximo (moeda)

<Not Applicable>

#### Explicação do impacto financeiro

Calculating an estimate of potential financial impact is a very complex task, since there are several factors that can influence the data to be considered.

#### Principal resposta ao risco

Engajamento com os fornecedores

#### Descrição da resposta

At JBS, the acquisition of raw material is guided by the principles of responsible sourcing, which involves not only compliance with the regulations and legislation of each country, but also benchmark practices in the sector. The verification of the supplier's compliance to the company's environmental and social criteria occurs in every purchase process. JBS requires its cardboard packaging suppliers to present the FSC certificates. JBS applies internal and / or external audits to the wood supply chain. The purchase of biomass is divided into two types: the acquisition of corporate suppliers and the one made via local purchases. Corporate suppliers are visited once a year, without prior notice. Local suppliers are visited on demand, prior to contracting or during supply, when possible deviations are identified. Still at the regional level, the company requires certificates of "nothing included", issued by the IBAMA / Competent State Environmental Agency and the Public Ministry of Labor. The supplier also cannot be included in the list of slave labor.

## Custo da resposta

### Explicação do custo da resposta

There are no direct costs related to this action. Deforestation issues are of high relevance to the company and are included in the JBS sustainability strategy. Possible financial impacts related to regulatory issues and costs related to the management of related risks are regularly verified by the company's sustainability area. In this sense, The Company has and follows a risk management policy whereby financial risks are regularly monitored and managed by the Risk Management Committee and by the Board of Directors in order to evaluate the results and the financial impact on the cash flow. Eventual failure to comply with laws and regulations may expose the company to situations that may impact the current demand for products or to acquire new businesses, and possibly subject it to administrative sanctions, damages, fines, injunctions, product recall or foreclosure of your property, as well as possible criminal penalties, any of these may adversely affect your financial results.

---

### commodity de risco florestal

Produtos da pecuária

### Tipo de risco

Físico crônico

### Escala geográfica

Estado ou equivalente

### Em que ponto da cadeia de valor ocorre o fator de risco?

Operações diretas

Cadeia de fornecimento

### Principal fator de risco

Alterações nos padrões e nos tipos de precipitação (chuva, granizo, neve/gelo)

### Principal impacto potencial

Aumento nos custos de produção

### Descrição específica da empresa

Deforestation of native forests, associated with climate change, can change agricultural conditions unpredictably. A significant change in weather patterns could affect the supply of raw material as well as the ability of the supply chain to raise animals.

### Prazo

1-3 anos

### Magnitude do potencial impacto

Média-baixa

### Probabilidade

Provável

### É possível indicar um valor para o potencial impacto financeiro?

Não, não temos esse valor

### Potencial impacto financeiro (moeda)

<Not Applicable>

### Valor do potencial impacto financeiro – mínimo (moeda)

<Not Applicable>

### Valor do potencial impacto financeiro – máximo (moeda)

<Not Applicable>

### Explicação do impacto financeiro

Calculating an estimate of potential financial impact is a very complex task, since there are several factors that can influence the data to be considered. Supplier diversification is one of the risk prevention actions associated with the company's business.

### Principal resposta ao risco

Padrões de desempenho mais rígidos para os fornecedores

### Descrição da resposta

BS has a "Minimum Criteria for Industrial – Scale Operations with Cattle and Beef Products in the Amazon Biome", which states that the company must not acquire cattle from areas with illegal deforestation, in the Amazon Biome and located within protected areas. To make sure that suppliers are complying with these standards, there is a System for Social and Environmental Monitoring of Cattle Suppliers that works on geospatial analysis based on satellite images, farms georeferenced maps and deforestation data from the INPE. Along the supply chain, JBS supports projects which promotes sustainable practices to increase the productivity of farms in the Amazon region in order to develop a new operating model that preserves natural resources and that brings financial benefits to the ranchers in the region. The Due Diligence process, established in 2017, relies on an automated tool developed especially for third-party reputational risk assessment. Thus, at the time of registration, the third parties listed in risk categories will be automatically evaluated by a software, being released or disapproved if negative reputational aspects are identified. In addition, to ensure a deforestation-free chain, in 2021, JBS has started the operation of the Transparent Livestock Farming Platform, which, using blockchain technology, operationalizes the tracking of the cattle chain. Monitored suppliers must comply with the Company's Responsible Purchasing Policy, otherwise, they are blocked.

### Custo da resposta

2300000

### Explicação do custo da resposta

Deforestation issues are of high relevance to the company and are included in the JBS sustainability strategy. Possible financial impacts related to regulatory issues and costs related to the management of related risks are regularly verified by the company's sustainability area. In this sense, The Company has and follows a risk management policy whereby financial risks are regularly monitored and managed by the Risk Management Committee and by the Board of Directors in order to evaluate the results and the financial impact on the cash flow. Eventual failure to comply with laws and regulations may expose the company to situations that may impact the current demand for products or to acquire new businesses, and possibly subject it to administrative sanctions, damages, fines, injunctions, product recall or foreclosure of your property, as well as possible criminal penalties, any of these may adversely affect your financial results.

---

### commodity de risco florestal

Soja

### Tipo de risco

Regulatório

## Escala geográfica

País

## Em que ponto da cadeia de valor ocorre o fator de risco?

Operações diretas

Cadeia de fornecimento

## Principal fator de risco

Moratória e acordos voluntários

## Principal impacto potencial

Danos à marca

## Descrição específica da empresa

According to JBS sustainability pillar of responsible purchase, suppliers included on the dirty lists published by the Ministry of Labor and IBAMA, and those whose land overlaps deforested areas, indigenous land or protected areas will be suspended by the company procurement system until they have remedied this situation. Along the supply chain, JBS supports projects which promotes sustainable practices to increase the productivity of farms in the Amazon region in order to develop a new operating model that preserves natural resources and that brings financial benefits to the ranchers in the region. JBS has been contributing to the development of differentiated bonus protocols, the opening of markets for products with social and environmental attributes, as well as support for training, earnings disclosure and fundraising for ongoing efforts.

## Prazo

1-3 anos

## Magnitude do potencial impacto

Média-alta

## Probabilidade

Provável

## É possível indicar um valor para o potencial impacto financeiro?

Não, não temos esse valor

## Potencial impacto financeiro (moeda)

<Not Applicable>

## Valor do potencial impacto financeiro – mínimo (moeda)

<Not Applicable>

## Valor do potencial impacto financeiro – máximo (moeda)

<Not Applicable>

## Explicação do impacto financeiro

Calculating an estimate of potential financial impact is a very complex task, since there are several factors that can influence the data to be considered.

## Principal resposta ao risco

Maior conformidade com as exigências regulatórias

## Descrição da resposta

The company only purchases soy from suppliers that signed the Soy Moratorium. Thus, 100% of JBS soy suppliers, in Amazon biome, are in compliance with Soy Moratorium criteria. In 2017, the due diligence process was established, relies on an automated tool developed especially for third-party reputational risk assessment. Thus, at the time of registration, third parties listed in risk categories will be automatically evaluated by software, being released or disapproved if negative reputational aspects are identified. Currently, the segments mapped with relevant risks are analysed, including any third party that needs a proxy to act on behalf of JBS.

## Custo da resposta

## Explicação do custo da resposta

There are no direct costs related to this action. Deforestation issues are of high relevance to the company and are included in the JBS sustainability strategy. Possible financial impacts related to regulatory issues and costs related to the management of related risks are regularly verified by the company's sustainability area. In this sense, the Company has and follows a risk management policy whereby financial risks are regularly monitored and managed by the Risk Management Committee and by the Board of Directors in order to evaluate the results and the financial impact on the cash flow. Eventual failure to comply with laws and regulations may expose the company to situations that may impact the current demand for products or to acquire new businesses, and possibly subject it to administrative sanctions, damages, fines, injunctions, product recall or foreclosure of your property, as well as possible criminal penalties, any of these may adversely affect your financial results.

---

## commodity de risco florestal

Soja

## Tipo de risco

Físico crônico

## Escala geográfica

Estado ou equivalente

## Em que ponto da cadeia de valor ocorre o fator de risco?

Operações diretas

Cadeia de fornecimento

## Principal fator de risco

Aumento da gravidade dos eventos climáticos extremos

## Principal impacto potencial

Aumento nos custos de produção

## Descrição específica da empresa

Deforestation of native forests, associated with climate change, can change agricultural conditions unpredictably. A significant change in weather patterns could affect the supply of raw material.

## Prazo

1-3 anos

**Magnitude do potencial impacto**

Média-alta

**Probabilidade**

Provável

**É possível indicar um valor para o potencial impacto financeiro?**

Não, não temos esse valor

**Potencial impacto financeiro (moeda)**

<Not Applicable>

**Valor do potencial impacto financeiro – mínimo (moeda)**

<Not Applicable>

**Valor do potencial impacto financeiro – máximo (moeda)**

<Not Applicable>

**Explicação do impacto financeiro**

Calculating an estimate of potential financial impact is a very complex task, since there are several factors that can influence the data to be considered.

**Principal resposta ao risco**

Engajamento com iniciativas de partes interessadas múltiplas

**Descrição da resposta**

The company only purchases from suppliers that signed the Soy Moratorium. Thus, 100% of JBS are suppliers, in Amazon biome, are in compliance with Soy Moratorium criteria. In the other areas, we have a commitment to suppliers, ensuring that they do not obtain soy in areas of the biome that have been illegally deforested. Suppliers that do not meet the established socio-environmental criteria are inactivated in the company's registration base, to ensure that we do not do business with them.

Examples of the criteria:

- The SELLER declares that it does not supply or purchase products from farms included in the list of areas embargoed by IBAMA or included in the list of the Ministry of Labor that use slave or similar labor. The SELLER declares that the PRODUCT described in this contract does not come from areas of the Amazon biome that have been illegally deforested;
- The SELLER assures that the PRODUCT object of this contract does not come from farms with soy plantations in Permanent Preservation Areas (APP) or in those that may be destined to the composition of the Legal Reserve Area (ARL) of the producing property;
- The SELLER undertakes to use products that have the least impact on the environment, and also to send the packaging and replaced products to the appropriate place, in accordance with applicable legislation.

**Custo da resposta****Explicação do custo da resposta**

There are no direct costs related to this action. Deforestation issues are of high relevance to the company and are included in the JBS sustainability strategy. Possible financial impacts related to regulatory issues and costs related to the management of related risks are regularly verified by the company's sustainability area. In this sense, The Company has and follows a risk management policy whereby financial risks are regularly monitored and managed by the Risk Management Committee and by the Board of Directors in order to evaluate the results and the financial impact on the cash flow. Any failure to comply with laws and regulations may expose the company to situations that may impact the current demand for products or to acquire new businesses, and possibly subject it to administrative sanctions, damages, fines, injunctions, product recall or foreclosure of your property, as well as possible criminal penalties, any of these may adversely affect your financial results.

JBS has a commitment to soy suppliers, ensuring that they do not source the raw material in areas that have been illegally deforested.

In addition, JBS maintains an extensive database of suppliers, all in accordance with the responsible purchasing policy, so that the company does not face problems related to the supply of raw materials.

---

**commodity de risco florestal**

Produtos da pecuária

**Tipo de risco**

Regulatório

**Escala geográfica**

Estado ou equivalente

**Em que ponto da cadeia de valor ocorre o fator de risco?**

Operações diretas

Cadeia de fornecimento

**Principal fator de risco**

Não cumprimento da legislação nacional

**Principal impacto potencial**

Redução no valor acionário

**Descrição específica da empresa**

According to JBS sustainability pillar of responsible purchase, Cattle suppliers included on the dirty lists published by the Ministry of Labor and IBAMA, and those whose land overlaps deforested areas, indigenous land or protected areas will be suspended by the company procurement system until they have remedied this situation. JBS Standards of cattle purchasing are expressed in the document "Minimum Criteria for Industrial – Scale Operations with Cattle and Beef Products in the Amazon Biome", which states that the company must not acquire cattle from areas with illegal deforestation, in the Amazon Biome and located within protected areas.

**Prazo**

1-3 anos

**Magnitude do potencial impacto**

Média-baixa

**Probabilidade**

Provável

**É possível indicar um valor para o potencial impacto financeiro?**

Sim, uma estimativa de valor único

**Potencial impacto financeiro (moeda)**

**Valor do potencial impacto financeiro – mínimo (moeda)**

&lt;Not Applicable&gt;

**Valor do potencial impacto financeiro – máximo (moeda)**

&lt;Not Applicable&gt;

**Explicação do impacto financeiro**

Calculating an estimate of potential financial impact is a very complex task, since there are several factors that can influence the data to be considered. Supplier diversification is one of the risk prevention actions associated with the company's business. The reported financial impact was estimated based on the restriction on the purchase of raw materials (livestock) from suppliers in non-compliance with the JBS Responsible Purchasing Policy. In 2021, 3 thousand suppliers were regularized with the help of the Green Offices. These suppliers generated the slaughter of 1 million animals, around 13% of the total volume of cattle slaughtered in the year. The financial impact presented represents the total revenue generated by these suppliers.

**Principal resposta ao risco**

Maior rastreabilidade de commodities de risco florestal

**Descrição da resposta**

JBS monitors and selects its suppliers based on its socioenvironmental criteria, such as, for example, not purchasing raw material from deforested land. In this sense, meeting the requirements of the Socio-Environmental Monitoring System is mandatory for all farms located in the Amazon Biome and annually the basis for the purchase of livestock is verified by an independent audit using a sampling method. The Supply Chain Seal program, which certifies criteria to guarantee food safety and standards of customer requirements, brings together protocols on topics such as animal welfare, traceability, sustainability, operation, production and commercialization. All units in Brazil operate according to the guidelines of the Seal are annually audit by the Brazilian Certification Service. Furthermore, JBS is advancing in the assistance and inclusion of producers who seek to adjust the social and environmental situation of their properties through the Green Offices. The program aims to generate engagement and support direct and indirect suppliers in the environmental compliance of their properties, through partnerships with more than 50 consulting firms specializing in the environmental regularization of rural properties and situations of environmental embargoes. In 2021, the JBS Green Offices, distributed in 15 offices, have already benefited more than 3,000 suppliers, representing the acquisition of more than 1 million head of cattle in social and environmental compliance.

**Custo da resposta**

5300000

**Explicação do custo da resposta**

Deforestation issues are of high relevance to the company and are included in the JBS sustainability strategy. Possible financial impacts related to regulatory issues and costs related to the management of related risks are regularly verified by the company's sustainability area. In this sense, The Company has and follows a risk management policy whereby financial risks are regularly monitored and managed by the Risk Management Committee and by the Board of Directors in order to evaluate the results and the financial impact on the cash flow. Eventual failure to comply with laws and regulations may expose the company to situations that may impact the current demand for products or to acquire new businesses, and possibly subject it to administrative sanctions, damages, fines, injunctions, product recall or foreclosure of your property, as well as possible criminal penalties, any of these may adversely affect your financial results. JBS implanted the "Green Offices" inside some Friboi units that offers free consultancy in environmental, legal and technical matters. For this second year, 15 offices has been opened in 5 states in Brazil

## F3.2

**(F3.2) Foi identificada alguma oportunidade florestal inerente com potencial para causar um impacto financeiro ou estratégico significativo para os negócios?**

	As oportunidades foram identificadas?
Produto florestal madeireiro	Sim
Óleo de palma	<Not Applicable>
Produtos da pecuária	Sim
Soja	Sim
Outro – Borracha	<Not Applicable>
Outro – Cacau	<Not Applicable>
Outro – Café	<Not Applicable>

## F3.2a

**(F3.2a) Para a(s) commodity(ies) de risco florestal selecionada(s), dê detalhes sobre as oportunidades identificadas com potencial para exercer um impacto financeiro ou estratégico significativo para os negócios.****commodity de risco florestal**

Produto florestal madeireiro

**Tipo de oportunidade**

Eficiência

**Em que ponto da cadeia de valor ocorre a oportunidade?**

Operações diretas

Cadeia de fornecimento

**Principal oportunidade relacionada às florestas**

Aumento na eficiência dos processos de fabricação e/ou distribuição

**Descrição e estratégia específicas da empresa para materializar a oportunidade**

Every purchase of JBS is analysed in terms of supplier's commitment with JBS Environmental and social criteria. Other opportunities are focused on the reduction of timber consumption, so the company can be less exposed to this commodity deforestation risk. Another action performed to realize the opportunity for efficiency is regarding the packages that previously were manufactured with two pieces – the bottom and top of the box started to be made with a single piece. A result of this initiative was a reduction of 41% on the use of cardboard. JBS aims to reduce the volume of packages primary (in direct contact with the product), secondary and tertiary products, the main results were gained in increase the quantity of product per carton boarding, which provides less consumption of cardboard boxes. In terms financial services, the economy with innovations in the cardboard boxes was equivalent to R \$ 10 million per year, not counting the environmental gains due to decreased the use of raw material

by weight transported product. JBS has also developed a Logistics Reverse project to recover and reuse PBR pallets used in the transport and storage of finished product. JBS has a pallet plant that manages the processes, including collection, purchasing, freight, plant supply, among others. As a result the reuse raised 41% due to the adjustment of the pallet collection targets; change in the logistics network for the reduction of freight from pallets; study of supply to factories; customers in several regions of Brazil; and improved management of accounts with carriers. In addition, several training and re-adaptation of the processes were carried out by the team of controllers. Farther, JBS developed a project to reduce 2 cm in the length and width pallets, remaining its support capacity. As results, there were a reduction on the timber use and an increase of products transport efficiency. JBS has also developed a project of energy reuse from bovine rumen contents generated in the slaughter of cattle, there by reducing the need for biomass (firewood) to burn in industrial boilers.

**Prazo estimado para a realização**

1-3 anos

**Magnitude do potencial impacto**

Média-alta

**Probabilidade**

Provável

**É possível indicar um valor para o potencial impacto financeiro?**

Não, não temos esse valor

**Valor do potencial impacto financeiro (moeda)**

<Not Applicable>

**Valor do potencial impacto financeiro – mínimo (moeda)**

<Not Applicable>

**Valor do potencial impacto financeiro – máximo (moeda)**

<Not Applicable>

**Explicação do valor do impacto financeiro**

Deforestation issues are of high relevance to the company and are included in the JBS sustainability strategy. Possible financial impacts related to regulatory issues and costs related to the management of related risks are regularly verified by the company's sustainability area. In this sense, The Company has and follows a risk management policy whereby financial risks are regularly monitored and managed by the Risk Management Committee and by the Board of Directors in order to evaluate the results and the financial impact on the cash flow. Eventual situations may expose the company to scenarios that may impact the current demand for products or to acquire new products, and possibly subject it to administrative sanctions or fines, any of these may adversely affect your financial results.

---

**commodity de risco florestal**

Produtos da pecuária

**Tipo de oportunidade**

Eficiência

**Em que ponto da cadeia de valor ocorre a oportunidade?**

Operações diretas

Cadeia de fornecimento

**Principal oportunidade relacionada às florestas**

Aumento na eficiência dos processos de fabricação e/ou distribuição

**Descrição e estratégia específicas da empresa para materializar a oportunidade**

JBS maintains a partnership with the Araguaia League, whose members include producers in the Médio Vale do Araguaia region, located in the state of Mato Grosso. The goal is to promote sustainable livestock development in the region and to positively impact the productivity and profitability of the participating properties, to show what really impacts the business, and to guide the way to a more efficient livestock farming with socio-environmental policies. JBS offers technical support from consultants specialized in pasture management and handling, guaranteeing more productivity in environmentally regularized areas and more profitability to the producers. In the 20/21 harvest, the initiative brought together 12 farms and more than 57 thousand head of cattle, distributed over more than 56 thousand hectares. Currently, in the 21/22 harvest, 14 farms and more than 51 thousand head of cattle distributed in 42 thousand hectares are part of the proposal, in the first quarter alone. In addition, JBS also has 15 Green Offices working in offering environmental, legal and technical consulting for free.

**Prazo estimado para a realização**

1-3 anos

**Magnitude do potencial impacto**

Alta

**Probabilidade**

Provável

**É possível indicar um valor para o potencial impacto financeiro?**

Sim, uma estimativa de valor único

**Valor do potencial impacto financeiro (moeda)**

24133460

**Valor do potencial impacto financeiro – mínimo (moeda)**

<Not Applicable>

**Valor do potencial impacto financeiro – máximo (moeda)**

<Not Applicable>

**Explicação do valor do impacto financeiro**

There is an increasing demand for products classified as deforestation free according to sustainable supply policies from large retail chains and large players in the food and restaurant sector. This is a growing demand of the market and companies that prepare themselves in this direction create a differential in their performance in compare to their competitors and consequently have a strong influence on the market. Calculating an estimate of potential financial impact is a very complex task, since there are several factors that can influence the data to be considered. Supplier diversification is one of the risk prevention actions associated with the company's business. The reported financial impact was estimated based on the restriction on the purchase of raw materials (livestock) from suppliers in non-compliance with the JBS Responsible Purchasing Policy

---

**commodity de risco florestal**

Soja

**Tipo de oportunidade**

Eficiência

**Em que ponto da cadeia de valor ocorre a oportunidade?**

Operações diretas  
Cadeia de fornecimento

**Principal oportunidade relacionada às florestas**

Aumento na eficiência dos processos de fabricação e/ou distribuição

**Descrição e estratégia específicas da empresa para materializar a oportunidade**

The Company believes that it can play an important role in preventing deforestation through responsible procurement. As part of this effort, it only purchases soybeans from suppliers that are signatories to the Soybean Moratorium, an initiative that works to ensure no soybeans come from illegal deforestation regions in the Amazon Biome.

**Prazo estimado para a realização**

1-3 anos

**Magnitude do potencial impacto**

Média-alta

**Probabilidade**

Provável

**É possível indicar um valor para o potencial impacto financeiro?**

Não, não temos esse valor

**Valor do potencial impacto financeiro (moeda)**

<Not Applicable>

**Valor do potencial impacto financeiro – mínimo (moeda)**

<Not Applicable>

**Valor do potencial impacto financeiro – máximo (moeda)**

<Not Applicable>

**Explicação do valor do impacto financeiro**

In general, for the soybean commodity, the company understands that the current management makes possible the reduction of soybean purchase risks related to deforestation areas.

**F4. Governança**

**F4.1**

**(F4.1) Existe supervisão das questões florestais por parte do conselho na organização?**

Sim

**F4.1a**

**(F4.1a) Identifique o(s) cargo(s) do(s) indivíduo(s) do conselho com responsabilidade pelas questões relacionadas às florestas (não inclua nenhum nome).**

Cargo do indivíduo	Explique
Comitê do conselho	In JBS' Bylaws, it is defined that the Board of Directors is responsible for, in addition to other attributions conferred on it by law or by the Bylaws themselves. Therefore, the Company maintains an important governance authority for this topic through the JBS Social and Environmental Responsibility Committee, led by the Chairman of the Board of Directors, which has the objective of (i) advising the Board of Directors in the fulfillment of its legal attributions in relation to the sustainability such mapping of risks and opportunities related on climate issues; and (ii) discuss and recommend that the Company adopt policies and measures related to sustainability. Examples of forest-related decisions: the committee guided the discussions and supported the decision to JBS of achieving net zero greenhouse gas emissions by 2040. In addition to BRL 1.15 billion in bonds linked to the goal of the Plataforma Pecuária Transparente of ending illegal deforestation in the supply chain by 2025.

**F4.1b**

**(F4.1b) Dê mais detalhes sobre a supervisão das questões florestais pelo conselho.**

	Frequência com a qual as questões florestais são incluídas na pauta planejada	Mecanismos de governança nos quais as questões florestais estão integradas	Explique
Linha 1	Programada - todas as reuniões	Monitoramento da implementação e do desempenho Análise e orientação de orçamentos anuais Análise e orientação de planos de negócios Análise e orientação dos principais planos de ação Análise e orientação de políticas de gestão de riscos Análise e orientação de estratégia Definição de objetivos de desempenho Outro, especifique (Monitoring and overseeing progress against goals and targets for addressing climate-related issues)	As a priority strictly related to JBS's core operations, climate-related issues are discussed in all meetings of JBS Social and Environmental Responsibility Committee, which reports directly to the Board of Directors. Discussions on this subject comprises the assessment and review of the related strategy elements; the underlying action plan and its related budget; the assessment of every business plan, whether it is considering climate-related issues, setting underlying performance objectives, monitoring its implementation and monitoring its performance through following the results of the emissions reductions projects and KPIs of the related strategic drivers.  In addition, the Socio-environmental Responsibility Committee has the following attributions: to advise the Board of Directors on issues of sustainability and socio-environmental responsibility related to the Company's business; make recommendations to the Board of Directors on sustainability objectives and monitor the implementation of policies, strategies and projects related to the sustainable development of the Company's business; prepare a summary annual report containing the description of the Committee's activities, which must be sent to the Board of Directors; contribute with guidelines for the formulation of a sustainability strategy and socio-environmental responsibility, in line with the Company's mission and values, such as factors and impacts in the social and environmental sphere.

**F4.1d****(F4.1d) A organização tem pelo menos um membro do conselho com competências para questões florestais?****Linha 1****O(s) membro(s) do conselho tem(têm) competências para questões florestais**

Sim

**Critérios utilizados para avaliar as competências para questões florestais**

JBS has a member of the Board of Directors with formal experience in ESG (Environmental, Social and Governance) matters. Aware of the challenge that climate change represents for the Company, this member took the Sustainable Capitalism and ESG Online course at the University of California, Berkeley, in addition to having studied, in previous years, on governance at Columbia and Johns Hopkins universities, both in United States. The assessment of competence in climate change takes place on a daily basis, based on the contributions and reflections proposed on ESG aspects at the Board meetings. Currently, formal criteria for performance analysis are not yet used.

**Razão principal para que não haja competências no conselho para questões florestais**

&lt;Not Applicable&gt;

**Explique por que a organização não tem pelo menos um membro do conselho com competências para questões florestais e se há eventuais planos para abordar as competências do conselho no futuro**

&lt;Not Applicable&gt;

**F4.2****(F4.2) Forneça o(s) cargo(s) de gestão ou o(s) comitê(s) de mais alto nível com responsabilidade pelas questões florestais (não inclua os nomes dos indivíduos).**

Nome do(s) cargo(s) e/ou comitê(s)	Responsabilidade	Frequência de reporte das questões florestais para o conselho	Explique
Diretor de Sustentabilidade (CSO)	Avaliação e gestão de riscos e oportunidades florestais	Trimestralmente	The Socio-Environmental Responsibility Committee is responsible for dealing with and connecting all topics related to the company's business in an overall perspective. This role includes the identification, addressing and treatment of critical issues that result in risks or business impact, define the establishment of sustainability goals, monitoring and implementation of policies, strategies and specific initiatives, as well as the evaluation of proposals of investments in sustainability. The information is handled weekly between the Business Unit Presidency and Board of Directors. The Sustainability Committee meets quarterly.

**F4.3**



**(F4.3) São dados incentivos aos membros do conselho ou do C-suite pela gestão das questões florestais?**

	Dar incentivos pela gestão das questões florestais	Comentários
Linha 1	Sim	Different types of incentives related to sustainability themes are applied. Since internal an external communicates and also climate change targets linked to the variable remuneration of JBS' senior executives. In line with our journey towards Net Zero, a variable compensation policy linked to climate and forest goals is being designed for the company's top executives. The policy will be published once the SBTi targets are validated.

**F4.3a****(F4.3a) Quais incentivos são dados a funcionários do C-suite ou a membros do conselho pela gestão de questões florestais (não inclua os nomes dos indivíduos)?**

	Função(ões) com direito a incentivo?	Indicador de desempenho	Explique
Recompensa monetária	Diretor Operacional (COO)	Realização de compromissos e metas	The eco-efficiency and emissions reduction efforts (projects and targets) at JBS are carried out in the global level and includes all business units (beef, leather, poultry, etc.).  Based on ISO 14001, operational units are underpinned by the implementation of the environmental management system and by the action plans from the sustainability assessment strategy, which contains targets for water consumption, wastewater treatment, environmental compliance, by-product recovery in wastewater treatment plant, energy efficiency and solid waste (indicators related to production).  The operational unit's projects are essentially linked to targets related to JBS's program of annual bonus, resulting in monetary rewards for the COOs, which includes energy, facility, and environmental/sustainability targets.
Recompensa não-monetária	Outro, especifique (All employees)	Realização de compromissos e metas	JBS understands that employee engagement is fundamental to achieving the NetZero commitment and, therefore, all employees have been strongly engaged in this cause. Internally, the Company structured a working group (WG) with the participation of focal points from all businesses (Brazil, USA, Canada, Mexico, Europe, Australia/New Zealand) to identify solutions that reduce greenhouse gas emissions and can generate value. The group holds periodic meetings to exchange experiences and search for common projects. In Brazil, six other WGs were also created to identify and analyse proposals for Brazilian operations. They are: GT Agro, GT Origination, GT Engineering & Energy, GT Environment, GT R&D, Innovation and Circular Economy and GT Logistics. The coordination and consolidation of all these initiatives is the responsibility of a new function created within the Company, that of Global PMO for Net Zero, reporting directly to JBS' Global CEO. To reinforce JBS' commitment to the topic, a variable compensation policy linked to climate goals is being designed for senior executives

**F4.4****(F4.4) A organização incluiu informações sobre sua resposta aos riscos florestais em seu relatório financeiro tradicional mais recente?**

Sim (é possível anexar o relatório – opcional)

F4.4Release de Resultados 4T21.pdf

F4.4Demonstrações Financeiras\_ ITR\_DFP.pdf

F4.4Apresentação dos Resultados.pdf

**F4.5****(F4.5) A organização dispõe de uma política que inclua as questões florestais?**

Sim, temos uma política florestal documentada, disponível ao público

**F4.5a**

**(F4.5a) Selecione as opções que melhor descrevem o escopo e o conteúdo da política da organização.**

	Escopo	Conteúdo	Explique
Linha 1	Somente algumas instalações, empresas ou geografias	Compromisso de eliminar o desmatamento Compromisso de adotar ações além da nossa própria cadeia de fornecimento para enfrentar os problemas ambientais Compromisso de proteger os direitos e os meios de subsistência das comunidades locais Compromisso com a transparência Descrição das commodities de risco florestal, partes da empresa e estágios da cadeia de valor cobertos pela política Lista de marcos e metas temporais	The Company's global sustainability priorities are: product integrity, animal welfare, environmental stewardship and social responsibility. To conduct sustainability management at the corporate level, JBS has established leaders in Brazil and the USA, in addition to locally designating people to this theme at each business. Regional leaders are also tasked with engaging business areas with a commitment to sustainable action and with spreading this same vision across the value chain, serving as an interface for the Company's communications with its stakeholders. JBS understands that its relationship with suppliers is essential and relevant to the prosperity of the value chain. That is why the Company developed a series of actions to build closer relationships with its stakeholders that are based on confidence, respect, ethics and transparency. With a regular dialog with its suppliers, especially in relation to matters related to respecting human rights and national and local labor laws, JBS has been a signatory of the National Pact to Eradicate Slave Labour since 2007, and has been a member of the Institute for the National Pact to Eradicate Slave Labour (InPACTO) since 2014. In addition, JBS is bringing forward its target of zero illegal deforestation for the suppliers of its suppliers in the Cerrado, Pantanal, Atlantic Forest and Caatinga biomes from 2030 to 2025. This mirrors the commitment already established for the Amazon. The Transparent Livestock Farming Platform has enabled the date to be brought forward. Using blockchain technology, JBS will increase the traceability of the supply chain by 2025, identifying upstream links and enforcing sustainability criteria when analysing the suppliers of its own suppliers in every biome where it operates.

**F4.5b**

**(F4.5b) Existem políticas de sustentabilidade específicas para determinadas commodities? Se existirem, selecione as opções que melhor descrevem seu escopo e conteúdo.**

	Existe uma política de sustentabilidade específica para determinadas commodities?	Escopo	Conteúdo	Explique
Produto florestal madeireiro	Sim	Somente algumas instalações, empresas ou geografias	Compromisso de eliminar o desmatamento Compromisso com a correção, a restauração e/ou a compensação de danos passados Descrição das commodities de risco florestal, partes da empresa e estágios da cadeia de valor cobertos pela política Descrição das normas de desempenho das operações diretas com relação às florestas	JBS informs and guides its suppliers regarding its social and environmental criteria and tries to diversify its supply chain. To mitigate the risk of purchasing timber from suppliers involved in deforestation, JBS established a Normative Instruction of Biomass Purchasing, stating that only suppliers legalized by the competent environmental authorities are able to negotiate materials with the company.
Óleo de palma	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>

	Existe uma política de sustentabilidade específica para determinadas commodities?	Escopo	Conteúdo	Explique
Produtos da pecuária	Sim	Somente algumas instalações, empresas ou geografias	Compromisso de eliminar o desmatamento Compromisso com a transparência Reconhecimento do potencial impacto dos negócios para as florestas e outros ecossistemas naturais Descrição das commodities de risco florestal, partes da empresa e estágios da cadeia de valor cobertos pela política Lista de compromissos e metas temporais	To mitigate the risk of acquiring raw materials from suppliers involved in the deforestation of native forests, the invasion of protect areas, such indigenous land or environmental conservation units and the use of child or compulsory labor, JBS Brazil has adopted a Responsible Sourcing Policy that establishes social and environmental criteria for suppliers selection. The Company does not acquire animals from farms involved with deforestation of native forests, invasion of indigenous lands or environmental conservation areas, or that are embargoed by the Brazilian Institute of the Environment and Renewable Natural Resources (IBAMA). It also will not work with suppliers involved in rural violence or land conflicts, or who utilize slave or child labor. The independent audits for direct suppliers, carried out by sampling in the last years reveal 99.9% compliance of JBS' cattle purchases with the Company's socio-environmental criteria In 2021, 100% of the purchases evaluated from direct suppliers met our socio-environmental criteria.  JBS is bringing forward its target of zero illegal deforestation for the suppliers of its suppliers in the Cerrado, Pantanal, Atlantic Forest and Caatinga biomes from 2030 to 2025. This mirrors the commitment already established for the Amazon. The Transparent Livestock Farming Platform has enabled the date to be brought forward. Using blockchain technology, JBS will increase the traceability of the supply chain by 2025, identifying upstream links and enforcing sustainability criteria when analysing the suppliers of its own suppliers in every biome where it operates.
Soja	Sim	Somente algumas instalações, empresas ou geografias	Compromisso de eliminar o desmatamento Compromisso com a transparência Reconhecimento da importância geral das florestas e outros ecossistemas naturais Descrição das commodities de risco florestal, partes da empresa e estágios da cadeia de valor cobertos pela política Lista de compromissos e metas temporais	JBS only purchases soy from suppliers that follows/meets the Soy Moratorium. The purchase from large suppliers that are part of the Brazilian Association of Vegetable Oils Industries (ABIÓVE) and Brazilian National Association of Cereal Exporters (ANEC) guarantees that the commodity complies with the criteria established in the Soy Moratorium.
Outro – Borracha	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Outro – Cacau	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Outro – Café	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>

#### F4.6

**(F4.6) A organização assumiu algum compromisso público para reduzir ou eliminar o desmatamento e/ou a degradação florestal nas suas operações diretas e/ou na sua cadeia de fornecimento?**

Sim

#### F4.6a

**(F4.6a) A organização endossou alguma das seguintes iniciativas como parte do seu compromisso público de reduzir ou eliminar o desmatamento e/ou a degradação florestal?**

Moratória da Soja

Acordo sobre o gado (TAC)

Outro, especifique ( Forest Stewardship Council (FSC))

#### F4.6b

**(F4.6b) Forneça detalhes sobre seu(s) compromisso(s) público(s), incluindo a descrição dos critérios específicos, da cobertura e das ações.**

**commodity de risco florestal**

Produto florestal madeireiro

#### Critérios

Zero obtenção de commodities de risco florestal produzidas e/ou comercializadas ilegalmente

Zero obtenção de commodities de risco florestal de fontes desconhecidas/controversas

Obtenção e/ou ialização de commodities de risco florestal apenas junto de fontes confiáveis e certificadas

#### Cobertura operacional

Cadeia de fornecimento

#### % da produção / consumo total abrangida pelo compromisso

100%

#### Data de corte

Não há uma data de corte

#### Data da meta do compromisso

2021-25

#### Explique

JBS only uses cardboard certified by Forest Stewardship Council (FSC), which is also a permanent commitment and certifies that the raw material used in the production of its packaging comes from forests maintained and managed responsibly, thus ensuring the best environmental practices throughout the productive process. In this way, by purchasing the certified material we ensure that the forests from which the raw material is derived were exploited in accordance with all existing laws, in an ecologically correct, socially just and economically viable way. In the case of wood (biomass used as fuel for industrial boilers) 100% of timber suppliers have to present the Forest Origin Document, which is a mandatory license established by the Ministry of the Environment (MMA) for the control of native forestry product and sub product transportation and commercialization. It presents information on the origin, destination, quantity and purpose of transportation. JBS reaffirms that despite the reported deadline the company's commitment is continuous.

---

#### commodity de risco florestal

Produtos da pecuária

#### Critérios

Desmatamento bruto zero / zero desmatamento

#### Cobertura operacional

Cadeia de fornecimento

#### % da produção / consumo total abrangida pelo compromisso

100%

#### Data de corte

2008

#### Data da meta do compromisso

2021-25

#### Explique

JBS made a public commitment to not purchase cattle from ranches responsible for deforestation of the Amazon Biome region, which is a permanent commitment. To ensure compliance, JBS developed a social and environmental monitoring system for the farms that supply livestock to the company. This monitoring system is composed of 2 integrated mechanisms of analysis. The first verifies the existence of farms or livestock supplier in the lists published by the MTE – Registry of Employers Fined for Compulsory Labor and the list of areas embargoed due to illegal deforestation published by the Brazilian Institute of the IBAMA. The second uses a geographic information system for the geo-spatial monitoring of farms supplying the company with livestock located in the Legal Amazon region to identify suppliers involved in deforestation, invasion of indigenous lands or environmental conservation units. To comply with the commitment, the System for livestock supplier farms is audited annually, and the results are published on JBS's website. JBS has improved its Monitoring System in a joint effort with the Departments of Sustainability, Cattle Sourcing and Information Technology, and with the support of a specialized consulting firm. Around 90 thousand registered Brazilian cattle suppliers are assessed daily using satellite imagery, farm geo-referencing data and information from government agencies. This monitoring system covers over 45 million ha in the Amazon region and 430 Brazilian cities. If it detects farms that fail to comply with any of the Company's social and environmental criteria, the system suspends trading with the supplier and blocks purchases until the situation has been corrected. Zero Deforestation conversion: the generation of engagement of its suppliers, through technical training aimed at the management of property and the production, which enables the increase productivity, in order to recover degraded pastures, generate reductions of GHG emissions and avoid the conversion of soil to new agricultural production areas in order to allow deforestation. Forest Restoration: Vendors who are blocked, are not eligible for JBS, are guided by techniques and are encouraged to seek the regularization of their properties. For the deforestation criteria, for a property regularization, the project must present a reforestation recovery project for the degraded area. In addition, JBS is bringing forward its target of zero illegal deforestation for the suppliers of its suppliers in the Cerrado, Pantanal, Atlantic Forest and Caatinga biomes from 2030 to 2025. This mirrors the commitment already established for the Amazon. The Transparent Livestock Farming Platform has enabled the date to be brought forward. Using blockchain technology, JBS will increase the traceability of the supply chain by 2025, identifying upstream links and enforcing sustainability criteria when analysing the suppliers of its own suppliers in every biome where it operates.

---

#### commodity de risco florestal

Soja

#### Critérios

Desmatamento bruto zero / zero desmatamento

#### Cobertura operacional

Cadeia de fornecimento

#### % da produção / consumo total abrangida pelo compromisso

100%

#### Data de corte

2006

#### Data da meta do compromisso

2021-25

#### Explique

JBS only purchases soy from suppliers that follows the Soy Moratorium, which is a permanent commitment. In July 2006, the Brazilian Association of Vegetable Oils Industries - ABIOVE and the Brazilian Association of Cereal Exporters - ANEC pledged not to market or finance the soybeans produced in areas that were deforested in the

Amazon Biome after that date. The Moratorium responded to the questioning of environmental groups and clients from Brazil abroad that started to promote arrangements to generate new sustainable rules for the cultivation and commercialization of soybeans. The monitoring of the Soy Moratorium produced evidence that the soy have a negligible participation in the deforestation that occurred after July 2006 and that the expansion of the Brazilian soybean is not an important vector of deforestation in the Amazon Biome. JBS reaffirms that despite the reported deadline the company's commitment is continuous.

## F5. Estratégia de negócios

### F5.1

**(F5.1) As questões florestais estão integradas a algum aspecto do plano de negócios estratégico de longo prazo? Em caso afirmativo, de que forma?**

	As questões florestais estão integradas?	Horizonte de longo prazo (anos)	Explique
Objetivos comerciais de longo prazo	Sim, as questões florestais estão integradas	16-20	Forest issues are fully integrated with JBS objectives, strategies and business plan, as well as our responsibility to produce sustainable, safe and quality food. In a cyclical way, the company understands that it is necessary to act strongly to raise awareness and engage suppliers to disseminate sustainability policy and make it more transparent, transforming its objectives, goals and concerns into the same of its suppliers. In this sense, in March 2021, JBS announced its commitment to achieve zero net greenhouse gas emissions by 2040, reducing its direct and indirect emissions (scopes 1, 2 and 3) and offsetting all residual emissions. To accomplish our net zero ambitions, JBS will adopt several strategies to achieve reductions in emissions and promote transparent accountability, including 100% of our beef supply chain suppliers free of illegal deforestation in the Brazilian biomes by 2025. In April 2021, JBS launched the Transparent Livestock Platform, which uses blockchain technology and allows us to advance cattle traceability and monitor our entire supply chain, including suppliers of our suppliers. This is a significant technological breakthrough that will eliminate the remaining of deforestation risk from our beef value chain in Brazil by 2025. In line with the above, we anticipated by five years our zero illegal deforestation target across our entire cattle supply chain for our operation outside the Amazon, which are the Cerrado, Pantanal, Atlantic Forest and Caatinga biomes from 2030 to 2025. JBS will focus on a range of nature-based solutions, such as investments in reforestation and forest restoration. JBS' Net Zero goal includes the company's global operations, covering agricultural producers and other suppliers, as well as customers, in its efforts to reach net emissions equal to zero in 2040. In this way, the monitoring of its entire production chain in the Amazon is a fundamental part of JBS' strategy towards Net Zero.
Estratégia para objetivos de longo prazo	Sim, as questões florestais estão integradas	16-20	Forest issues are fully integrated with JBS objectives, strategies, and business plan, as well as our responsibility to produce sustainable, safe and quality food. The JBS has the commitment to meeting the food and nutritional needs of the growing global population in a sustainable way is the greatest challenge of our time. This will require everyone to do more with less, maximize the efficient use of our natural resources and incorporate the latest technologies, innovations, and best practices into all of our food production systems. In this sense, in March 2021, JBS announced its commitment to achieve zero net greenhouse gas emissions by 2040, reducing its direct and indirect emissions and offsetting all residual emissions. To accomplish our net zero ambitions, JBS will adopt several strategies to achieve reductions in emissions and promote transparent accountability, including 100% of our beef supply chain suppliers free of illegal deforestation in the Brazilian biomes by 2025. In addition to advancing supply chain traceability, JBS is also committed to driving supplier transformation. JBS is providing legal and environmental advisory services to support producers' efforts to resolve their property's environmental liabilities and enhance sustainable production. These services are available free of charge to all ranchers who join the platform through the JBS Green Offices. Our teams are connected to a network of consultants specialized in environmental issues that will help producers in practical activities, such as registering the property in the Rural Environmental Registry (CAR), reforestation plans to meet the Environmental Regularization Program (PRA), in addition to supporting processes for the regularization of areas with illegal deforestation or environmental embargoes by IBAMA or State Environmental Secretariats. All this technical support will be free to our suppliers. More than 1,400 suppliers have already been served since April 2021. JBS will focus on a range of nature-based solutions, such as investments in reforestation and forest restoration. This project is strategic to achieve the Net Zero commitment by 2040.
Planejamento financeiro	Sim, as questões florestais estão integradas	16-20	Annually resources are allocated for the continuity of existing systems and programs, as well as new investments for the development of new projects. Launched in 2020, the JBS Fund for the Amazon will receive an investment of R\$ 250 million from JBS in the first five years to ensure the start of activities and implementation of the initiatives approved. The Fund aims to finance the sustainable development of local communities in the Amazon Biome, with initiatives that involve bioeconomy, reforestation and technological and technological development. In June 2021, JBS announced six projects that aim at sustainable development to receive investments from the Amazon Fund. The fundamental pillars of the fund are: (i) development of the value chain; (ii) conservation and restoration of forests; (iii) support to communities; and (iv) scientific and technological development. The first pillar consists of three main initiatives. The first is a blockchain platform that will allow the Company to include in its monitoring base the suppliers of its beef suppliers until 2025. The second initiative is the sharing of the company's supplier monitoring technology and responsible purchasing policy with its value chain, which includes the entire food industry, from ranchers, farmers to financial institutions and agribusiness. The third initiative will be environmental, agricultural and legal support to suppliers. The other three pillars will be achieved through the work of the JBS Fund for the Amazon to finance actions and projects for sustainable development in the biome. The company reinforces its commitment to achieving a chain of cattle suppliers – including its suppliers' suppliers – free from illegal deforestation in the Amazon, Cerrado and other Brazilian biomes by 2025. The second largest food company in the world and a global leader in protein has committed to zeroing the balance of greenhouse gas emissions throughout its diversified value chain, lower the intensity of direct and indirect transfers and offsetting all residual emissions. JBS' Net Zero goal includes the company's global operations, covering agricultural producers and other suppliers, as well as customers, in its efforts to reach net emissions equal to zero in 2040.

## F6. Implementação

### F6.1

**(F6.1) Havia alguma meta quantificada e temporalizada para aumentar a produção e/ou o consumo sustentável da(s) commodity(ies) divulgada(s) ativa(s) durante o ano de reporte?**

Sim

#### F6.1a

**(F6.1a) Forneça detalhes sobre a(s) meta(s) quantificável(is) e temporalizadas(s) para aumentar a produção e/ou o consumo sustentáveis da(s) commodity(ies) divulgada(s) e do progresso obtido**

**Número de referência da meta**

Meta 4

**commodity de risco florestal**

Produtos da pecuária

**Tipo de meta**

Engajamento com pequenos produtores

**Descrição da meta**

The company reinforces its commitment to achieving a chain of cattle suppliers – including its suppliers' suppliers – free from illegal deforestation in the Amazon, Cerrado and other Brazilian biomes by 2025.

**Compromisso vinculado**

Zero desmatamento líquido/bruto

**Ponto de rastreabilidade**

<Not Applicable>

**Esquema de certificação de terceiros**

<Not Applicable>

**Ano de início**

2020

**Ano da meta**

2021

**Métrica quantitativa**

<Not Applicable>

**Meta (número)**

14.6

**Meta (%)**

<Not Applicable>

**Porcentagem da meta alcançada**

100

**Explique**

Forest issues are fully integrated with JBS objectives, strategies and business plan, as well as our responsibility to produce sustainable, safe and quality food. In a cyclical way, the company understands that it is necessary to act strongly to raise awareness and engage suppliers to disseminate sustainability policy and make it more transparent, transforming its objectives, goals and concerns into the same of its suppliers. In this sense, JBS announced the Net Zero commitment for 2040, so that a chain of the Company's cattle suppliers, including its suppliers' suppliers, is free from illegal deforestation in the Amazon Biome, Cerrado, Pantanal, Atlantic Forest and Caatinga biomes by 2025. The Transparent Livestock Farming Platform has enabled the date to be brought forward. Using blockchain technology, JBS will increase the traceability of the supply chain by 2025, identifying upstream links and enforcing sustainability criteria when analysing the suppliers of its own suppliers in every biome where it operates. In addition to expanding the monitoring system and tracking the supply chain, JBS is assisting producers enhance the environmental performance of their properties. In 2020, the project Green Office was launched, with the objective of supporting direct and indirect suppliers with environmental, technical and legal adequacy by professionals financed by the company. The program aims to generate engagement and support direct and indirect suppliers in the environmental regularization of their properties. The program offers free technical support, distributed in 15 offices located at Friboi units, through partnerships with more than 50 consultancies specialized in environmental regularization of rural properties. Producers also have the benefit of accessing rural credit through JBS partner financial institutions. The program has supported producers in the regularization of deforestation, through the Environmental Regularization Program (PRA, acronym in Portuguese), and situations of environmental embargoes. In 2021, the "Green Office " have already benefited more than 3,000 suppliers representing the acquisition of more than 1 million head of cattle in socio-environmental

---

**Número de referência da meta**

Meta 5

**commodity de risco florestal**

Produtos da pecuária

**Tipo de meta**

Engajamento com fornecedores diretos

**Descrição da meta**

The company reinforces its commitment to achieving a chain of cattle suppliers – including its suppliers' suppliers – free from illegal deforestation in the Amazon, Cerrado and other Brazilian biomes by 2025.

**Compromisso vinculado**

Zero desmatamento líquido/bruto

**Ponto de rastreabilidade**

<Not Applicable>

**Esquema de certificação de terceiros**

<Not Applicable>

**Ano de início**

2020

**Ano da meta**

2025

**Métrica quantitativa**

<Not Applicable>

**Meta (número)**

<Not Applicable>

**Meta (%)**

100

**Porcentagem da meta alcançada**

14.6

## Explicação

Forest issues are fully integrated with JBS objectives, strategies and business plan, as well as our responsibility to produce sustainable, safe and quality food. In a cyclical way, the company understands that it is necessary to act strongly to raise awareness and engage suppliers to disseminate sustainability policy and make it more transparent, transforming its objectives, goals and concerns into the same of its suppliers. In this sense, JBS announced the Net Zero commitment for 2040, so that a chain of the Company's cattle suppliers, including its suppliers' suppliers, is free from illegal deforestation in the Amazon Biome, Cerrado, Pantanal, Atlantic Forest and Caatinga biomes by 2025. In April 2021, JBS began operations of the Transparent Livestock Platform, which, through blockchain technology, extends social and environmental monitoring to the suppliers of its cattle suppliers. Using blockchain technology, JBS will increase the traceability of the supply chain by 2025, identifying upstream links and enforcing sustainability criteria when analysing the suppliers of its own suppliers in every biome where it operates. In addition to expanding the monitoring system and tracking the supply chain, JBS is assisting producers enhance the environmental performance of their properties. By the end of 2025, 100% of JBS's cattle suppliers will be part of the program. In 2021, the number of animals registered corresponded to 14.6% of the total processed by the Company in 2020. Furthermore, the project Green Office was launched, with the objective of supporting direct and indirect suppliers with environmental, technical and legal adequacy by professionals financed by the company. The program aims to generate engagement and support direct and indirect suppliers in the environmental regularization of their properties. In 2021, the Green Office have already benefited more than 3,000 suppliers representing the acquisition of more than 1 million head of cattle in socio-environmental

## F6.2

### (F6.2) Existem sistemas de rastreabilidade em vigor para rastrear e monitorar a origem da(s) commodity(ies) divulgada(s)?

	Há sistemas em vigor?	Descrição do sistema de rastreabilidade	Exclusões	Descrição da exclusão
Produto florestal madeireiro	Sim	JBS is one of the largest consumers of paper/cardboard in Brazil, as it uses the material to produce the packaging for its products and 100% of the paper/cardboard acquired has FSC certification, which is part of the selection criteria for suppliers of this material. Moreover, JBS has a target to 100% of timber purchases comply with the criteria established in JBS Environmental Policy. Since FSC certification is a purchasing criteria, 100% of the product / suppliers are in agreement with this criteria. Supplier registration data and data of the purchased products allow the identification of the origin of its production and manufacture.	Linha(s) de produtos específicos	JBS purchase cardboard (used in packaging) and paper in general (office use) only from certified suppliers by FSC (Forest Stewardship Council) in the form Chain of Custody. In this way, certification is a criterion for hiring the supplier, becoming a competitive differential. The use of cardboard in JBS operations is significant, since the products are stored and sold in secondary packaging made of it. JBS purchase pallets PBR (Brazilian pallet pattern) certified by ABRAS (Brazilian Association of Supermarkets).
Óleo de palma	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Produtos da pecuária	Sim	The Monitoring Protocol for Cattle Suppliers in the Amazon is part of a comprehensive Monitoring, Reporting and Verification (MRV) system. Together, the Audit Protocol to the Monitoring of Cattle Suppliers in the Amazon and an Audit Report Template will be published so the signatories can be audited. The Monitoring Protocol is structured with basis on 11 criteria for compliance with the TACs, five of which are monitorable by geospatial analysis, two by analysis of official public lists of government agencies, three through documentary analysis of CAR/LAR/GTA records and one by analysing the productivity of the supplier farm. In addition, JBS announced the global commitment to become Net Zero by 2040 and among the initiatives to reduce emissions include monitoring and traceability of the supply chain, to ensure a deforestation-free supply chain. In April 2021, JBS launched the Transparent Livestock Platform, which uses blockchain technology and allows to advance cattle traceability and monitor the entire supply chain, including direct and indirect suppliers. Using blockchain technology, JBS will increase the traceability of the supply chain by 2025, identifying upstream links and enforcing sustainability criteria when analysing the suppliers of its own suppliers in every biome where it operates.	Fornecedor(es) específico(s)	The efforts of data collection, supplier information and analysis of the socioenvironmental monitoring system are limited-partly-to direct cattle suppliers, despite the efforts that have been made to contemplate indirect supplier. The traceability of the entire meat chain, although a complex task, can be achieved in the medium term. As one of the biggest challenges in the entire supply chain, to track all stages of the supply chain includes indirect suppliers (those who sell animals to JBS direct suppliers), thus the accessing to information is essential. The indirect supplier issue is structural and quite different from the direct supplier monitoring approaches and requires collaborative work and a solid approach at the industry level, rather than the traditional view of full animal traceability. In this way, in April 2021, JBS launched the Transparent Livestock Platform, which uses blockchain technology and allows to advance cattle traceability and monitor the entire supply chain, including direct and indirect suppliers. All JBS beef suppliers must join the program by the end of 2025. In addition to expanding the monitoring system and traceability the supply chain, JBS is assisting producers enhance the environmental performance of their properties through its network of Green Offices located at its processing units in several regions of the country. Fifteen offices have already opened to provide guidance to all producers who adhere to the Transparent Livestock Farming Platform.
Soja	Sim	JBS has a target to 100% of soybean purchases comply with the criteria established in JBS Environmental Policy. Additionally, JBS only purchases soybeans from suppliers that are signatories to the Soybean Moratorium to ensure that no soybeans come from illegal deforestation regions in the Amazon Biome.	Instalação	We exclude materials processed by third-party manufacturers.
Outro – Borracha	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Outro – Cacau	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Outro – Café	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>

## F6.2a

### (F6.2a) Dê detalhes sobre o nível de rastreabilidade de que a organização dispõe para a(s) commodity(ies) divulgada(s).

commodity de risco florestal	Ponto até o qual a commodity é rastreável	Porcentagem do volume total de produção/consumo rastreável
Produto florestal madeireiro	Unidade de manejo florestal	100
Produtos da pecuária	Fazenda de engorda	100
Soja	Município ou equivalente	100

## F6.3

**(F6.3) Foi adotado algum esquema de certificação de terceiros para a(s) commodity(ies) divulgada(s)?**

	<b>Esquema de certificação de terceiros adotado?</b>	<b>Porcentagem do volume total de produção e/ou consumo certificada</b>
Produto florestal madeireiro	Sim	100
Óleo de palma	<Not Applicable>	<Not Applicable>
Produtos da pecuária	Sim	100
Soja	Sim	100
Outro – Borracha	<Not Applicable>	<Not Applicable>
Outro – Cacau	<Not Applicable>	<Not Applicable>
Outro – Café	<Not Applicable>	<Not Applicable>

**F6.3a**

**(F6.3a) Faça uma decomposição detalhada do volume e da porcentagem da produção e/ou do consumo por esquema de certificação.**

**commodity de risco florestal**

Produto florestal madeireiro

**Esquema de certificação de terceiros**

FSC Cadeia de Custódia

**Modelo de cadeia de custódia utilizado**

<Not Applicable>

**Porcentagem do volume total de produção/consumo certificada**

100

**Forma da commodity**

Embalagem secundária

**Volume de produção/consumo certificado**

**Métrica**

Toneladas métricas

**É certificado por mais de um esquema?**

Não

**Explique**

JBS purchase cardboard (used in packaging) and paper in general (office use) only from certified suppliers by FSC (Forest Stewardship Council) in the form Chain of Custody. In this way, certification is a criterion for hiring the supplier, becoming a competitive differential. The use of cardboard in JBS operations is significant, since the products are stored and sold in secondary packaging made of it. JBS purchase pallets PBR (Brazilian pallet pattern) certified by ABRAS (Brazilian Association of Supermarkets).

**commodity de risco florestal**

Produtos da pecuária

**Esquema de certificação de terceiros**

Outro, especifique (LWG – Leather Working Group)

**Modelo de cadeia de custódia utilizado**

Certificação de comércio

**Porcentagem do volume total de produção/consumo certificada**

100

**Forma da commodity**

Peles/couro

**Volume de produção/consumo certificado**

**Métrica**

Outro, especifique (hides/leather)

**É certificado por mais de um esquema?**

Não

**Explique**

JBS Couros have been certified by the Leather Working Group (LWG), all receiving top marks for traceability. The LWG is an international initiative involving companies, retail chains, tanneries and suppliers to debate and promote efficient and sustainable farming practices across the global leather industry – and has been directly involved with the Group in developing protocols and organizing discussion forums to debate best practices. JBS Couros is the industry's only company offering this level of production chain visibility, at large scale, combining a robust leather traceability program with a modern monitoring system that oversees and verifies suppliers in Brazil, ensuring they comply with the social and environmental standards set out in the Company's Responsible Raw Material Procurement Policy. The Transparent Livestock Platform has reached its engagement goal for 2021. In December 2021, the number of animals of animals registered corresponded to 14.6% of the total processed by the Company in 2020. The system monitors a wide range of issues, from deforestation of native forest, invasion of indigenous land and environmental conservation areas, or areas embargoed by the Brazilian Institute for the Environment and Natural Resources (IBAMA). The Kind Leather in numbers: • 65% fewer CO2 emissions in wet-blue leather transportation by reducing the number of trucks needed to ship the product; • 54.2% less water and a 20% drop in energy used during the tanning process; A 28% reduction in finishing products used; • Up to a 45% decrease in trimming waste from leather cutting.

**commodity de risco florestal**

Soja



**Esquema de certificação de terceiros**

Outro, especifique (Soy Moratorium)

**Modelo de cadeia de custódia utilizado**

Certificação de comércio

**Porcentagem do volume total de produção/consumo certificada**

100

**Forma da commodity**

Farinha de soja

**Volume de produção/consumo certificado****Métrica**

Toneladas métricas

**É certificado por mais de um esquema?**

Não

**Explique**

The company only purchases soy from suppliers that signed the Soy Moratorium. In 2016, JBS joined the Applied Life Cycle (CiViA) initiative of the Getúlio Vargas Foundation's Center for Sustainability Studies (FGV), with the objective of incorporating the quantification and management of the environmental impacts of products and services through the life cycle. Two pilot projects were developed (Picanha Maturatta Friboi and chicken from Seara), considering the carbon emissions and water consumption of all stages of production until the use and disposal of the final consumer. These projects have allowed the company a new look at the product, identifying the most representative production phases of environmental impacts and the related opportunities. Deforestation may be directly related to the carbon footprint of the products, since deforestation for livestock production or soybean production (cattle and poultry feed) may represent a large share of the emissions from land use change.

**F6.4**

**(F6.4) Para a(s) commodity(ies) certificada(s), existe um sistema para controlar, monitorar ou verificar a conformidade com os compromissos de zero conversão e/ou zero desmatamento?**

	<b>Um sistema que controla, monitora ou verifica a conformidade</b>	<b>Comentários</b>
Produto florestal madeireiro	Sim, temos um sistema em vigor, mas para outros compromissos	<Not Applicable>
Óleo de palma	<Not Applicable>	<Not Applicable>
Produtos da pecuária	Sim, temos um sistema em vigor para nossos compromissos de zero conversão e/ou zero desmatamento	<Not Applicable>
Soja	Sim, temos um sistema em vigor, mas para outros compromissos	<Not Applicable>
Outro – Borracha	<Not Applicable>	<Not Applicable>
Outro – Cacau	<Not Applicable>	<Not Applicable>
Outro – Café	<Not Applicable>	<Not Applicable>

**F6.4a**

**(F6.4a) Dê detalhes sobre o sistema, as abordagens utilizadas para monitorar a conformidade, o progresso quantitativo e os protocolos de não conformidade para a implementação do(s) compromisso(s) de zero conversão e/ou zero desmatamento.**

**<i>Commodity </i> </i>de risco florestal**

Produtos da pecuária

**Cobertura operacional**

Cadeia de fornecimento

**Descrição dos sistemas de controle**

Currently, JBS' Responsible Raw Material Purchasing Policy already monitors 100% of the Company's beef suppliers on a daily basis according to strict sustainability criteria. This analysis is done online and daily by JBS Geo-Monitoring System that assesses almost 80,000 cattle suppliers daily using advanced satellite imaging and supplier farm geo-referencing data to cover more than 850,000 km<sup>2</sup> across the Amazon and others biomes in Brazil. In order to ensure a deforestation-free chain, in 2021 we began operating the Transparent Livestock Platform, which, using blockchain technology, makes the tracking of the cattle chain operational. The goal is to achieve a deforestation-free supply structure by 2025, including direct and indirect suppliers. The new platform with blockchain technology is an initiative that will cross information from the Company's suppliers with animal transit data. 14.6% of the heads of cattle processed by the Company in 2020 were included in the Platform.

**Abordagem de monitoramento e verificação**

Ferramenta de monitoramento geoespacial

**Porcentagem do volume total em conformidade**

100%

**Porcentagem do total de fornecedores em conformidade**

100%

**Resposta à não conformidade do fornecedor**

Suspender e engajar

**Procedimentos para abordar e solucionar a não conformidade dos fornecedores**

Fornecer informações sobre ações apropriadas que possam ser adotadas para abordar a não conformidade

Reintegrar os fornecedores na cadeia de fornecimento com base na realização completa, bem sucedida e verificável de atividades

**Explique**

If any supplier does not meet the company's supply standards (Responsible Purchasing Policy), it will be suspended until its adequacy. The suppliers are guidelines to be regularized, in some cases the environmental regularization of the producer, or of the property, will depend on the payment of fines and reforestation projects that must be signed with the responsible state or federal agencies. In addition to advancing supply chain traceability, JBS is also providing legal and environmental advisory services to support producers' efforts to resolve their property's environmental liabilities and enhance sustainable production. These services are available free of charge to all ranchers who join the platform through the JBS Green Offices. JBS has opened 15 Green Offices to assist ranchers in these efforts and to provide bespoke advice around the issues they face which can range from paperwork complications, to the need for a conservation plan or the need to reforest part of their property according to the Brazilian law. More than 1.4 thousand suppliers have already been attended to since April 2021.

**F6.5**

**(F6.5) Para a(s) commodity(ies) divulgada(s), indique se são coletados dados sobre a conformidade da organização e/ou sobre a conformidade dos seus fornecedores com o Código Florestal Brasileiro.**

	São coletados dados de conformidade com o Código Florestal Brasileiro?	Explique
Produto florestal madeireiro	Sim, de fornecedores e terras próprias e/ou administradas	The company has a Normative Instruction of Biomass Purchasing stating that only suppliers legalized by the competent environmental authorities are able to negotiate materials with JBS – 100% of the JBS timber suppliers are in comply with environmental standards. Moreover, before conducting the registration of biomass supplier, an environmental and social analysis must be performed based on IBAMA (Brazilian Environment and Natural Resources Institute) and MTE (Ministry of Labor) public dirty lists that show respectively, legal persons and entities with embargoed areas due to illegal deforestation/inappropriate land use and that are involved in slave labor. All environmental management of the biomass purchasing process is a responsibility of the environmental department of each operational unit. This includes management of the requirements Native Forest Consumer Registration and Forest Origin Document or other specific state requirement. JBS is one of the largest consumers of paper/cardboard in Brazil, as it uses the material to produce the packaging for its products. 100% of the paper/cardboard acquired has FSC certification, which is part of the selection criteria for suppliers of this material. In addition, JBS has a due diligence process, which is based on an automated tool developed especially for assessing third-party reputational risks. Thus, at the time of registration, third parties listed as being at risk are automatically evaluated by software, being released or disapproved, and by means of a data protection system.
Óleo de palma	<Not Applicable>	<Not Applicable>
Produtos da pecuária	Sim, de fornecedores e terras próprias e/ou administradas	To ensure a deforestation-free chain, in 2021 the company began operating the Transparent Livestock Platform, which, using blockchain technology, operationalizes the daily tracking of the cattle chain. The goal is to achieve a deforestation-free supply structure by 2025, including direct and indirect suppliers. In addition, monitored suppliers must comply with the Company's Responsible Sourcing Policy, of which they must not be located in deforestation areas, indigenous lands or environmental conservation areas environmental conservation areas; otherwise are blocked. JBS is providing legal and environmental advisory services to support producers' efforts to resolve their property's environmental liabilities and enhance sustainable production. These services are available free of charge to all ranchers who join the platform through the JBS Green Offices. This engagement approach is designed to drive permanent, meaningful change across the industry. Suppliers are incentivized to collaborate with JBS as full compliance with our policies ensures they also meet the Brazil Forest Code and are part of a more sustainable livestock system. The deforestation analysis is also done in the georeferencing system, comparing the farm maps and satellite images with dates from previous and subsequent years (When available) of image detection. If deforestation has not been detected, a false-positive is then supposed, which means that the polygon was generated with an error and the purchase may be considered "compliant". If the deforestation be confirmed, the property should be considered "non-compliant" until the appropriate documents have been submitted to unblock it.
Soja	Sim, de fornecedores	The company only purchases soy from suppliers that signed the Soy Moratorium. Thus, 100% of JBS soy suppliers, in Brazil, are in compliance with Soy Moratorium criteria. In 2017, the company restructured its Compliance department. The area now has a Global Director, responsible for the implementation and supervision of initiatives in all regions of JBS. To that end, a new organizational structure was defined with the hiring of more resources to ensure that business practices ensure ethics and good conduct for all, as well as compliance with all internal laws, policies and procedures. One of the pillars of action is Due Diligence, which was integrated into the third-party registration process. Thus, at the time of registration, the third parties listed in risk categories will be automatically evaluated by a software, being released or disapproved if negative reputational aspects are identified.
Outro – Borracha	<Not Applicable>	<Not Applicable>
Outro – Cacau	<Not Applicable>	<Not Applicable>
Outro – Café	<Not Applicable>	<Not Applicable>

## F6.5a

---

(F6.5a) Para a(s) commodity(ies) reportada(s), indique quais Indicadores-Chave de Desempenho (KPIs) são usados para medir a conformidade e o desempenho da empresa com relação ao Código Florestal Brasileiro de acordo com esse(s) indicador(es).

**commodity de risco florestal**

Produto florestal madeireiro

**KPIs**

Porcentagem de propriedades próprias e/ou administradas registradas no banco de dados de Cadastro Ambiental Rural (CAR), com status ativo

**Desempenho com relação aos indicadores**

100%

**Explique**

The owned rural properties destined to planted forests for the production of thermal energy (boilers) must have the Rural Environmental Cadastre (CAR). The management of this KPI is performed by a technical team that analyses each property individually to generate a diagnosis to obtain the CAR.

---

**commodity de risco florestal**

Produtos da pecuária

**KPIs**

Porcentagem de propriedades próprias e/ou administradas registradas no banco de dados de Cadastro Ambiental Rural (CAR), com status ativo

**Desempenho com relação aos indicadores**

100%

**Explique**

The rural properties must have the Rural Environmental Cadastre (CAR). The management of this KPI is performed by a Sustainability team that analyses each property individually relation to the authenticity of the CAR and the digital map of the property. As of January 1, 2019 the properties without CAR registered in their registry have been blocked for purchases of animals. Therefore, JBS owns the CAR of 100% of its supplier properties.

---

**commodity de risco florestal**

Produtos da pecuária

**KPIs**

Porcentagem de propriedades próprias e/ou administradas com os Termos de Compromisso do Programa de Regularização Ambiental (PRA) assinados

**Desempenho com relação aos indicadores**

<10%

**Explique**

The Environmental Regularization Program (PRA) comprises a set of actions or initiatives to be developed by rural landowners and squatters with the objective of adjusting and promoting environmental regularization related to the irregular suppression of native vegetation in the consolidated areas (areas in use that have been deforested until July 22, 2008) in Areas of Permanent Preservation, Legal Reserve and restricted use. JBS owns <10% of its suppliers' properties with the signing of the commitment period of the Environmental Regulation Program (PRA). The KPI refers to the terms of commitments presented by the suppliers

---

**commodity de risco florestal**

Produtos da pecuária

**KPIs**

Porcentagem de propriedades próprias e/ou administradas sem desmatamento bruto após julho de 2008

**Desempenho com relação aos indicadores**

100%

**Explique**

100% of the properties of suppliers without gross deforestation after July 2008.

---

## F6.5b

---

**(F6.5b) Para a(s) commodity(ies) divulgada(s), indique quais Indicadores-Chave de Desempenho (KPIs) são utilizados para medir a conformidade dos fornecedores com o Código Florestal Brasileiro e quais são os desempenhos da organização em relação a esse(s) indicador(es).**

**commodity de risco florestal**

Produto florestal madeireiro

**KPIs**

Outro, especifique (Forest Stewardship Council – FSC)

**Desempenho com relação aos indicadores**

100%

**Explique**

The information covers suppliers of cardboard packaging, which must be certified by the FSC - Chain of Custody - CoC, which certifies the traceability of the raw material coming out of the forest. It means that, the products bearing the chain of custody seal were in fact, produced from forest raw materials certified by the "forest management" modality. In this way, 100% of the suppliers must have the FSC certified.

---

**commodity de risco florestal**

Produtos da pecuária

**KPIs**

Porcentagem de fornecedores registrados no banco de dados do Cadastro Ambiental Rural (CAR) com status ativo

**Desempenho com relação aos indicadores**

100%

**Explique**

Rural Environmental Registry – CAR is a national electronic public registry, mandatory for all rural properties, with the purpose of integrating environmental information of rural properties and possessions related to Permanent Preservation Areas - APP, of restricted use, of Legal Reserve, of remnants of forests and other forms of native vegetation, and of consolidated areas, composing a database for control, monitoring, environmental and economic planning and combating deforestation. Registration in the CAR is the first step to obtain the environmental regularity of the property, and includes: data on the owner, rural owner or person directly responsible for the rural property; data on documents proving ownership and/or possession; and georeferenced information on the perimeter of the property, areas of social interest and areas of public utility, with information on the location of remnants of native vegetation, Permanent Preservation Areas, Restricted Use areas, consolidated areas and Legal Reserves. % of suppliers on the Rural Environmental Registry (CAR) database: 100% of the farms supplying the active cadastre have the CAR, on 12/31/2021.

---

**commodity de risco florestal**

Produtos da pecuária

**KPIs**

Porcentagem de fornecedores com zero desmatamento bruto após julho de 2008

**Desempenho com relação aos indicadores**

100%

**Explique**

JBS assumed the commitment to ensure the responsible origin of its raw materials, not purchasing cattle from suppliers involved with native woodlands deforestation, environmental conservation units and indigenous lands invasion, rural violence and agrarian conflicts, or with the use of compulsory. The company implemented a social and environmental monitoring system, composed of two mechanisms of analysis to monitor cattle suppliers and guarantee none purchases in disagreement with the criteria. JBS works with a sophisticated monitoring system for direct cattle suppliers, which uses satellite imagery of the properties and analysis of public documents. Irregular vendors are immediately blocked. In 2021 100% of the purchases evaluated from direct suppliers met our socio-environmental criteria.

---

**commodity de risco florestal**

Produtos da pecuária

**KPIs**

Outro, especifique (Invasion of protected areas)

**Desempenho com relação aos indicadores**

100%

**Explique**

JBS assumed the commitment to ensure the responsible origin of its raw materials, not purchasing cattle from suppliers involved with native woodlands deforestation, environmental conservation units and indigenous lands invasion, rural violence and agrarian conflicts, or with the use of compulsory. The company implemented a social and environmental monitoring system, composed of two mechanisms of analysis to monitor cattle suppliers and guarantee none purchases in disagreement with the criteria. JBS works with a sophisticated monitoring system for direct cattle suppliers, which uses satellite imagery of the properties and analysis of public documents. Irregular vendors are immediately blocked. In 2021, 100% of the purchases evaluated from direct suppliers met our socio-environmental criteria.

---

**commodity de risco florestal**

Soja

**KPIs**

Outro, especifique (Soy Moratorium)

**Desempenho com relação aos indicadores**

100%

**Explique**

The company only purchases soy from suppliers that signed the Soy Moratorium. Thus, 100% of JBS soy suppliers are in compliance with Soy Moratorium criteria.

---

F6.6

**(F6.6) Para a(s) commodity(ies) divulgada(s), indique se a organização avalia sua própria conformidade e/ou a conformidade dos seus fornecedores com as leis florestais e/ou as normas obrigatórias.**

	<b>Avaliar a conformidade legal com as regulamentações florestais</b>	<b>Comentários</b>
Produto florestal madeireiro	Sim, de fornecedores e terras próprias e/ou administradas	<Not Applicable>
Óleo de palma	<Not Applicable>	<Not Applicable>
Produtos da pecuária	Sim, de fornecedores e terras próprias e/ou administradas	<Not Applicable>
Soja	Sim, de fornecedores	<Not Applicable>
Outro – Borracha	<Not Applicable>	<Not Applicable>
Outro – Cacau	<Not Applicable>	<Not Applicable>
Outro – Café	<Not Applicable>	<Not Applicable>

## F6.6a

**(F6.6a) Para a(s) commodity(ies) divulgada(s), indique como é assegurada a conformidade legal com as leis florestais e/ou as normas obrigatórias.**

### Produto florestal madeireiro

#### Procedimento para assegurar a conformidade legal

The Compliance department area has a Global Director, responsible for the implementation and supervision of initiatives in all regions of JBS. To that end, an organizational structure was defined with the hiring of more resources to ensure that business practices ensure ethics and good conduct for all, as well as compliance with all internal laws, policies and procedures. One of the pillars of action is Due Diligence. Since 2017, JBS has improved the practices of third party reputational assessment (Due Diligence). Once performed manually for a few risk segments, the Company hired expert advice on the subject to automate the process as much as possible, with the expectation of increasing the volume of analysis. Currently, the segments mapped with relevant risks are analysed, including any third party that needs a proxy to act on behalf of JBS. The Due Diligence procedure was integrated into the third-party registration process. Thus, at the time of registration, the third parties listed in risk categories will be automatically evaluated by a software, being released or disapproved if negative reputational aspects are identified.

#### País/área de origem

Brasil

#### Lei e/ou norma(s) obrigatória(s)

Avaliação geral da conformidade legal

#### Comentários

The company has a Code of Conduct for Business Associates. Third parties that carry out any type of transaction with JBS, such as customers and suppliers, must follow this Code.

### Produtos da pecuária

#### Procedimento para assegurar a conformidade legal

The Monitoring Protocol for Cattle Suppliers in the Amazon is part of a comprehensive Monitoring, Reporting and Verification (MRV) system. Together, the Audit Protocol to the Monitoring of Cattle Suppliers in the Amazon and an Audit Report Template will be published so the signatories can be audited. The Monitoring Protocol is structured with basis on 11 criteria for compliance with the TACs, five of which are monitorable by geospatial analysis, two by analysis of official public lists of government agencies, three through documentary analysis of CAR/LAR/GTA records and one by analysing the productivity of the supplier farm. In April 2021, JBS launched the Transparent Livestock Platform, which uses blockchain technology and allows us to advance cattle traceability and monitor our entire supply chain, including suppliers of our suppliers. This is a significant technological breakthrough that will eliminate the remaining of deforestation risk from our beef value chain in Brazil by 2025. The initiative will use blockchain technology precisely to provide confidentiality and security in accessing information and transparency in the analysis of suppliers. The work will be audited and its results reported in the annual and sustainability report. The Company will carry out engagement campaigns with suppliers and entities so that by the end of 2025, its suppliers' suppliers are on the Platform.

#### País/área de origem

Brasil

#### Lei e/ou norma(s) obrigatória(s)

Avaliação geral da conformidade legal

#### Comentários

The company has a Code of Conduct for Business Associates. Third parties that carry out any type of transaction with JBS, such as customers and suppliers, must follow this Code.

Independent auditing of the Public Livestock Commitment is available on the company's website: <https://jbs.com.br/sustentabilidade/integridade-do-produto/garantia-de-origem/>

### Soja

#### Procedimento para assegurar a conformidade legal

The Compliance department area has a Global Director, responsible for the implementation and supervision of initiatives in all regions of JBS. To that end, an organizational structure was defined with the hiring of more resources to ensure that business practices ensure ethics and good conduct for all, as well as compliance with all internal laws, policies and procedures. One of the pillars of action is Due Diligence. The Due Diligence procedure was integrated into the third-party registration process. Thus, at the time of registration, the third parties listed in risk categories will be automatically evaluated by a software, being released or disapproved if negative reputational aspects are identified.

#### País/área de origem

Brasil

#### Lei e/ou norma(s) obrigatória(s)

Avaliação geral da conformidade legal

#### Comentários

The company has a Code of Conduct for Business Associates. Third parties that carry out any type of transaction with JBS, such as customers and suppliers, must follow this Code.

**(F6.7) A organização trabalha com os pequenos produtores para dar suporte a boas práticas agrícolas e reduzir o desmatamento e/ou a conversão de ecossistemas naturais?**

	A organização está trabalhando com os pequenos produtores?	Tipo de abordagem de engajamento com os pequenos produtores	Abordagem do engajamento com os pequenos produtores	Número de pequenos produtores engajados	Explique
Produto florestal madeireiro	Não se aplica	<Not Applicable>	<Not Applicable>	<Not Applicable>	Currently, JBS does not buy from small producers, as JBS has a process in place to verify supplier compliance with environmental and social criteria and requires its carton packaging suppliers to present FSC certificates.
Óleo de palma	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Produtos da pecuária	Sim, trabalhamos com pequenos produtores	Mapeamento da cadeia de fornecimento Qualificação	Questionários para os fornecedores sobre indicadores ambientais e sociais Desenvolvimento ou distribuição de ferramentas de mapeamento da cadeia de fornecimento Oferta de assistência técnica em campo e serviços de extensão Distribuição de materiais técnicos Organização de eventos de capacitação Investimento em projetos piloto Apoio para que os pequenos produtores esclareçam e assegurem a posse da terra Priorização do apoio para os pequenos produtores em regiões de alto risco de desmatamento	2167	JBS Biodiesel supports the Selo Combustível Social program (developed by the Brazilian Federal Government) aiming to offer a production purchase guarantee to small farmer by biodiesel companies. Bovine fat is the second most important source of raw material for biodiesel production in Brazil and the government included livestock as part of the program, benefiting the family livestock and small producers. The program was structured to extend within 17 municipalities of Rondônia and contributed to allow the community to continue living in their original place, developing new jobs and income to local economy. Participations in fair and events: Since 2012, JBS has developed and implemented the Giro do Boi: A daily TV program for cattle breeders broadcast on the Rural Channel. The main highlight is the Brazil Tour, with information on daily prices JBS practices throughout the country. JBS got involved in the Sustainable Livestock Indicators Guide (GIPS) construction, developed by the Brazilian Roundtable on Sustainable Livestock (GTPS), which can be applied to small farms. The project "Conexão Gestão" - which helped cattle raisers to improve their management skills in the day-to-day on the farm - has evolved to "Fazenda Nota 10 - FN10". Now, all the support offered by Friboi and Integra will take place online, which should expand the reach of the initiative to 400 partner ranchers. Participants will be accompanied by Integra consultants in monthly results meetings and will take part in the FN10 quarterly exchange of experiences and benchmarking forum. On the agenda, topics such as goals, strategic planning, comparison of results, success models, training and people management will be discussed. JBS has launched the JBS Green Offices. The project is prepared to receive any rancher interested in regularizing their farm's environmental liabilities. Our teams are connected to a network of consultants specialized in environmental issues that will help producers in practical activities, such as registering the property in the Rural Environmental Registry (CAR), reforestation plans to meet the Environmental Regularization Program (PRA), in addition to supporting processes for the regularization of areas with illegal deforestation or environmental embargoes by IBAMA or State Environmental Secretariats. All this technical support will be free to our suppliers.
Soja	Não, não trabalhamos com pequenos produtores	<Not Applicable>	<Not Applicable>	<Not Applicable>	
Outro – Borracha	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Outro – Cacau	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Outro – Café	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>

**(F6.8) A organização trabalha com seus fornecedores diretos para dar suporte e melhorar sua capacidade de cumprir as políticas, os compromissos e outras exigências relacionadas às florestas?**

	É feito um trabalho com os fornecedores diretos?	Tipo de abordagem de engajamento com os fornecedores diretos	Abordagem de engajamento com os fornecedores diretos	Porcentagem de fornecedores engajados	Explique

	É feito um trabalho com os fornecedores diretos?	Tipo de abordagem de engajamento com os fornecedores diretos	Abordagem de engajamento com os fornecedores diretos	Porcentagem de fornecedores engajados	Explique
Produto florestal madeireiro	Sim, trabalhamos com os fornecedores diretos	Mapeamento da cadeia de fornecimento Qualificação	Questionários para os fornecedores sobre indicadores ambientais e sociais Desenvolvimento ou distribuição de ferramentas de mapeamento da cadeia de fornecimento Organização de eventos de capacitação Investimento em projetos piloto	91-99%	At JBS, the acquisition of raw materials is guided by the principles of responsible sourcing, which involves not only compliance with the regulations and legislation of each country, but also the benchmark practices in the sector. This way, in establishing the purchase criteria of certified suppliers, JBS encourages the market to obtain certifications. In addition, JBS has invited cardboard suppliers to participate and respond to the CDP Supply Chain Forests questionnaire, developed by CDP exclusively for companies to evaluate and stimulate their suppliers, considers the policies, strategies, management of opportunities and risks in relation to the actions of combating deforestation in the production of agricultural commodities. In terms of capacity building, JBS offers workshops and webinars for cardboard suppliers to participate and respond to the CDP Supply Chain Forests questionnaire. Besides, it is a way to encourage and clarify doubts for suppliers to answer questions, as well as the opportunity to identify benchmarks and encourage the development of related practices of those who have not yet evolved in actions.
Óleo de palma	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Produtos da pecuária	Sim, trabalhamos com os fornecedores diretos	Mapeamento da cadeia de fornecimento Qualificação Incentivos financeiros e comerciais	Questionários para os fornecedores sobre indicadores ambientais e sociais Desenvolvimento ou distribuição de ferramentas de mapeamento da cadeia de fornecimento Auditorias dos fornecedores Oferta de treinamento e assistência técnica em campo Distribuição de materiais técnicos Organização de eventos de capacitação Investimento em projetos piloto	100%	JBS develops several actions to contribute to the enhancement of management processes and the development of good social-environmental practices in its value chain, which also results in quality gains for the raw material offered to the Company. Seen suppliers as business partners, programs are developed as a way to add value and knowledge to its supply chain. Some of them are described below: - Green Offices: It is a service center for ranchers who have environmental liabilities on their property and wish to become regularized to be able to supply animals to other farms and/or to slaughterhouses. Our teams are connected to a network of consultants specialized in environmental issues that will help producers in practical activities, such as registering the property in the Rural Environmental Registry (CAR), reforestation plans to meet the Environmental Regularization Program (PRA).. All this technical support will be free to our suppliers. In 2021, 15 Green Offices were opened. -Fazenda Nota 10 - FN10: Now, all the support offered by Friboi and Inttegra will take place online, which should expand the reach of the initiative to 500 partner ranchers. Participants will be accompanied by Inttegra consultants in monthly results meetings and will take part in the FN10 quarterly exchange of experiences and benchmarking forum. On the agenda, topics such as goals, strategic planning, comparison of results, success models, training and people management will be discussed. -Conexão Friboi Website: The website Conexão Friboi has the goal of improving the Company's relationship with livestock breeders, suppliers or not to JBS in Brazil. The tool promotes discussions, disseminates relevant contents, and helps the producers improve their business. Additionally, it facilitates the access to JBS, informing the parties interested in establishing partnerships about the Company's Culture and way of working. - Giro do Boi Platform: It includes a website with content targeted at livestock breeders, profile in social networks, and a daily TV show in Brazil. Aired by Canal Rural, the program "Giro do Boi" is a reference for the industry professionals. - Sustainable Cattle Raising Indicators Guide (GIPS): JBS, in partnership with the Sustainable Cattle Raising Working Group (GTPS) and the NGO Solidaridad, supports the implementation of (GIPS) in the state of Pará.
Soja	Sim, trabalhamos com os fornecedores diretos	Mapeamento da cadeia de fornecimento Outros	Outro, especifique (● Purchase guarantee linked to best agricultural practices)	100%	The company only purchases soy from suppliers that signed the Soy Moratorium. Thus, 100% of JBS soy suppliers, in Amazon biome, are in compliance with Soy Moratorium criteria. In the other areas we have a commitment with the suppliers, ensuring that they do not originate soy in areas of the biome that have been illegally deforested. Suppliers that do not meet the established social and environmental criteria are inactivated in the company's database, to ensure that we do not do business with them. Examples of established social and environmental criteria: - The SELLER declares that it does not supply or acquire products from farms included in the list of areas embargoed by IBAMA or listed by the Ministry of Labor that use slave or analogous labor. The SELLER further states that the PRODUCT described in this contract does not originate from areas of the Amazon biome that have been illegally deforested. - The Parties undertake not to use slave labor in all its production chain. - The SELLER assures that the PRODUCT object of this contract does not come from farms with soybean planting in Permanent Preservation Areas (APP) or in those that may be destined to the composition of the Legal Reserve Area (ARL) of the producing property. - The SELLER undertakes to use products that have the least impact on the environment, and also to dispose of the packages and products replaced to the appropriate location, in accordance with the applicable legislation. It must also have, with the competent environmental agency, the license for the operation and viability of the activity, obeying and complying with all applicable standards and rules.
Outro – Borracha	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Outro – Cacau	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Outro – Café	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>

## F6.10

### (F6.10) A organização se engaja em abordagens paisagísticas (inclusive jurisdicionais) para progredir com os objetivos comuns de uso sustentável da terra?

	A organização se engaja em abordagens paisagísticas/jurisdicionais?	Razão principal para que não haja engajamento em abordagens paisagísticas e/ou jurisdicionais	Explique por que a organização não se engaja em abordagens paisagísticas/jurisdicionais e descreva os planos para se engajar com elas no futuro
Linha 1	Sim, nós nos engajamos com abordagens paisagísticas/jurisdicionais	<Not Applicable>	<Not Applicable>

F6.10a

(F6.10a) Indique os critérios levados em consideração ao se priorizarem as paisagens e as jurisdições para o engajamento em abordagens colaborativas para o uso sustentável da terra e dê uma explicação.

	Critérios para a priorização de paisagens/jurisdições para o engajamento	Explique
Linha 1	A empresa tem uma presença operacional na área Alta pegada de obtenção de <i>commodities</i> da área Altos níveis de produção por pequenos produtores independentes Oportunidade de inclusão de pequenos produtores Oportunidade para um maior bem-estar humano na área Oportunidade de implantar soluções baseadas na natureza Oportunidade de proteger os ecossistemas naturais Oportunidade de restaurar os ecossistemas naturais Resposta a regulamentações Resposta a um acordo setorial voluntário Risco de desmatamento/conversão Risco de incêndios Risco de degradação florestal/da terra Risco de conflitos de terras Risco de problemas relacionados a direitos trabalhistas Risco de não conformidade de fornecedores na área Solicitação dos investidores/partes interessadas Fornecimento de <i>commodities</i> estrategicamente importantes	

F6.10b



**(F6.10b) Dê detalhes do engajamento com abordagens paisagísticas/jurisdicionais para um uso sustentável da terra durante o ano de reporte.**

**País/área**

Brasil

**Nome da área da paisagem ou jurisdição**

Bioma Pantanal

**A paisagem é definida por limites administrativos de governos subnacionais, e a abordagem conta com o envolvimento ativo do governo?**

Não, a paisagem não é definida por limites administrativos e a abordagem não conta com o envolvimento ativo do governo

**Breve descrição da abordagem paisagística/jurisdicional**

The initiative Firefighting in the Pantanal uses artificial intelligence through a fire management platform that cross-references information from satellites, images from cameras installed on farms, meteorological data and the fire record in the location to issue alerts in real time in case of fire. With an investment of R\$26 million by JBS, distributed over four years, the project is designed to cover 2 million hectares in the states of Mato Grosso and Mato Grosso do Sul. The technology employed has the potential to reduce burnt areas by up to 90%. The system will provide information for the work of about 80 fire brigades in the region.

**<i>Commodities</i> de risco florestal relevantes para esta abordagem paisagística/jurisdicional**

Produtos da pecuária

**Tipo de engajamento**

Parceiro: Responsabilidade compartilhada na implementação de objetivos múltiplos

**Descrição do engajamento**

Embrace the Pantanal focuses on reducing forest fires in the Pantanal region through early fire detection, quick response by highly equipped and qualified forest brigades, and the generation of analytical, operational and community impact data. The project's initiatives extend over a territory of 2.5 million hectares of native Pantanal areas, one of the most important biomes in the world

**Objetivos apoiados pelo engajamento**

Redução das emissões por meio de mudanças no uso da terra e/ou de produção agrícola  
Menor índice de degradação do ecossistema  
Prevenção do desmatamento/conversão de outros ecossistemas naturais  
Monitoramento e prevenção de incêndios florestais

**Ações da empresa que dão suporte à abordagem**

Coprojetar e desenvolver objetivos, estratégias e planos de ação com metas e marcos com prazos para a iniciativa  
Capacitação das comunidades e incentivo para o engajamento em processos entre as várias partes interessadas  
Dar suporte financeiro à entidade das várias partes interessadas que lidera a iniciativa  
Dar suporte à adoção de certificação  
Dar suporte aos produtores, grupos de produtores e processadores principais para melhorar as práticas e as tecnologias agrícolas

**Parceiro(s) de implementação**

Aliança da Terra / Um Grau e Meio

**Ano de início do engajamento**

2021

**Ano de fim do engajamento**

Especifique (2023)

**Investimento total ao longo do período do projeto (moeda)**

4721004

**Detalhes do investimento**

- Creation of independent fire brigade centers
- Training of fire brigades
- Investment in equipment
- Educational actions for fire prevention in the surrounding communities
- Installation of fire detection cameras
- Understanding of the productive units (property)
- Mapping of the region Identification of regions with higher incidence of hot spots
- Definition of the size of the service area;
- Installation of the brigade in the determined region and with the appropriate infrastructure; Review and suggestion for adaptation of the infrastructure of the properties involved
- Mentoring and coaching with the Fire Warrior (Earth Alliance)
- Theoretical and practical training of the brigades
- Training and capacitation of the involved property's employees
- Development and implementation of the plan for prevention, monitoring and fighting forest fires
- Implementation of the communication strategy between the parties.

**Tipo de quadro de avaliação**

Quadro específico definido para a iniciativa

**O progresso é monitorado e publicamente divulgado?**

Sim, o progresso é monitorado e publicamente divulgado

**Declare as realizações do engajamento da organização até este momento e como o progresso é monitorado**

Results from Embrace the Pantanal are available on the website: <https://mediaroom.jbs.com.br/noticia/jbs-e-parceiros-lancam-abrace-o-pantanal-iniciativa-para-proteger-2-5-milhoes-de-hectares-de-areas-nativas-do-bioma>.

**F6.11**

**(F6.11) A organização participa de alguma outra atividade e/ou iniciativa externa para promover a implementação das suas políticas e compromissos florestais?**

**commodity de risco florestal**

Produto florestal madeireiro

**A empresa participa de atividades/iniciativas?**

Sim

**Atividades**

Envolvimento em iniciativas das partes interessadas ou parcerias multilaterais

**País/área**

Brasil

**Área subnacional**

Não se aplica

**Iniciativas**

Outro, especifique (CDP Supply Chain Forests)

**Explique**

In 2017, JBS joined the CDP Supply Chain Forests pilot project, in which the company is a founding member of the initiative in Brazil. Through the SC Forests questionnaire, it will be possible to engage suppliers to share their initiatives and to encourage the establishment of new policies. Thus, JBS invited suppliers to participate and respond to the CDP Supply Chain Forests questionnaire, developed by CDP exclusively for companies to evaluate and stimulate their suppliers, considers policies, strategies, opportunities and risks management in relation to actions to combat deforestation in the production of agricultural commodities. This initiative encourages direct suppliers to develop actions and monitor their supply chain (chain of indirect).

**commodity de risco florestal**

Produtos da pecuária

**A empresa participa de atividades/iniciativas?**

Sim

**Atividades**

Envolvimento em iniciativas das partes interessadas ou parcerias multilaterais

**País/área**

Brasil

**Área subnacional**

Não se aplica

**Iniciativas**

Tropical Forest Alliance 2020 (TFA)

Global Roundtable for Sustainable Beef (GRSB)

Grupo de Trabalho sobre Pecuária Sustentável (GTPS) do Brasil

Outro, especifique (Commitments responsible purchases- the Brazilian Coalition on Climate, Forest and Agriculture; Tropical Forest Alliance; Beef on Track)

**Explique**

JBS has also worked incisively in the main multi-stakeholder initiatives targeted at the sustainable beef production in Brazil and worldwide. We are founding members and members of the executive board of the Global Roundtable for Sustainable Beef (GRSB) and the Working Group for Sustainable Livestock (Grupo de Trabalho da Pecuária Sustentável - GTPS) and of the Leather WG and Technical Sub-Group and Trader WG. Recently, JBS also became a member of the Brazilian Coalition on Climate, Forest and Agriculture and of the global organization Tropical Forest Alliance, executive arm of the World Economic Forum for the issue of deforestation worldwide. To ensure that farms involved in deforestation are not part of our supply chain, JBS has also been actively working with other stakeholders to develop sectoral strategies that can be applied to the entire beef industry in the Amazon. One such strategy is the program "Beef on Track". This initiative has been developing by JBS in partnership with the Federal Prosecutor's Office and the Brazilian NGO Imaflora and aim defining criteria and technical rules for monitoring cattle suppliers

**commodity de risco florestal**

Produtos da pecuária

**A empresa participa de atividades/iniciativas?**

Sim

**Atividades**

Engajamento com dirigentes políticos ou governos

**País/área**

Brasil

**Área subnacional**

Não se aplica

**Iniciativas**

&lt;Not Applicable&gt;

**Explique**

In order to improve its controls, seeking access to information and discussions with different regulatory agents, JBS participated in several meetings with the Federal Public Prosecutor, especially in the State of Pará, presented and suggesting technical rules to have a supply chain free of deforestation. JBS also participated in the Working Group for the Control of Deforestation in the Chain Livestock Production, created by the Ministry of the Environment and composed of government agencies, a beef cattle and retail business, as well as NGOs and Soyother stakeholders.

**commodity de risco florestal**

Produtos da pecuária

**A empresa participa de atividades/iniciativas?**

Sim

**Atividades**

Envolvimento em iniciativas das partes interessadas ou parcerias multilaterais

**País/área**

Brasil

**Área subnacional**

Não se aplica

**Iniciativas**

Outro, especifique (Work-Group for the Deforestation Control on Livestock Supply Chain, created by the environmental Ministry (MMA))

**Explique**

JBS also participated in the Working Group for the Control of Deforestation in the Chain Production of Livestock, created by the Ministry of the Environment and composed of government agencies, cattle and retail sector companies, ONGs and other stakeholders. These are activities of the Working Group for the Control of Deforestation in the Chain. Livestock Productivity: I - identify government and other initiatives on livestock initiatives to promote sustainability and to monitor the production chain; II - propose actions aimed at the promotion of sustainability and control of the origin in the chain production of livestock; III - contribute to the implementation of the Plan of Action for the Prevention and Deforestation in the Amazon (PPCDAm) and the Plan of Action for the Prevention and Control of Deforestation and Burning in the Cerrado (PPCerrado); IV - to contribute to the construction of sectoral animal husbandry agreements, aiming the illegal deforestation; and V - develop solutions for controlling the origin of livestock and for verifying the rural properties.

---

**commodity de risco florestal**

Soja

**A empresa participa de atividades/iniciativas?**

Sim

**Atividades**

Engajamento com dirigentes políticos ou governos

**País/área**

Brasil

**Área subnacional**

Não se aplica

**Iniciativas**

<Not Applicable>

**Explique**

In 2017, JBS joined the CDP Supply Chain Forests pilot project, in which the company is a founding member of the initiative in Brazil. Through the SC Forests questionnaire, it will be possible to engage suppliers to share their initiatives and to encourage the establishment of new policies.

---

**commodity de risco florestal**

Produtos da pecuária

**A empresa participa de atividades/iniciativas?**

Sim

**Atividades**

Envolvimento em iniciativas das partes interessadas ou parcerias multilaterais

**País/área**

Brasil

**Área subnacional**

Não se aplica

**Iniciativas**

Outro, especifique (Work-Group of Sustainable Livestock (Guide of Sustainable Livestock Indicators))

**Explique**

In addition, JBS participated in the elaboration of the Sustainable Livestock Indicators Guide (GIPS), developed by the Brazilian Roundtable on Sustainable Livestock (GTPS). This group is developing a guidance for Sustainable Livestock indicators, aiming to account the sustainability in meat production. The tool contains themes such as Business Management, Communities, Workers, Environment and Value Chain.

---

**F6.12****(F6.12) A organização apoia ou implementa projeto(s) focado(s) na proteção e na restauração dos ecossistemas?**

Sim

---

**F6.12a****(F6.12a) Forneça detalhes sobre o(s) projeto(s), incluindo a extensão, a duração e a frequência de monitoramento. Especifique eventuais resultados medidos.****Referência do projeto**

Projeto 1

**Tipo de projeto**

Manejo agroflorestal

**Motivação principal**

Voluntária

**Descrição do projeto**

The JBS Fund for the Amazon announced in the second quarter of 2021 and it is dedicated to promoting and financing initiatives and projects whose aim is the sustainable development of the Amazon Biome. One of the project is the "RestaurAmazônia", which will have five years to set up, on 1,500 smallholdings, cocoa agroforestry systems, livestock farming and forestry conservation. The objective is to foster good low carbon livestock practices so that the properties remain economically viable, sustain the farmers and help to reduce the deforestation in the project area. The project adheres to a tried, tested and approved sustainable development model, and this new phase supported by the Fund will be will scale up this model.

**Ano de início**

2021

**Ano da meta**

2026

**Área do projeto até o momento (hectares)**

11760

**Área do projeto no ano da meta (hectares)**

65124

**País/área**

Brasil

**Latitude**

-3.1946

**Longitude**

-52.2093

**Frequência de monitoramento**

Semestralmente ou com frequência maior

**Resultados medidos até o momento**

Biodiversidade

Sequestro de carbono

Solo

Água

Regulagem climática

**Explique**

The project adheres to a tried, tested and approved sustainable development model, and will scale up the entire restructuring of the chain commencing with the new phase supported by the Fund.

The projects that will receive the resources will develop the forest bioeconomy, helping to add value to its natural products and also contributing to environmental conservation and socioeconomic development.

One of our focal points was to support projects that recognize the value of those at the base of the forest chain, such as extractive workers, indigenous people and other traditional communities that manage community business.

The project covers areas in the following cities: Altamira, Anapu, Novo Repartimento, and Pacajá. The geographic coordinates are for Altamira.

The project follow-up was done as follows:

- Monthly follow-up meetings;
- Four-monthly meetings to report the results

For 2022, the planning is:

- Monthly follow-up meeting;
- Quarterly results reporting meetings;
- Biannual accountability meetings.

List of measured results:

- Benefited families (social);
- Deforestation reduction rate (climate);
- Carbon emission balance (carbon);
- Hectare of cocoa under good practices (soil);
- Hectare of livestock intensification (soil);
- Hectare of livestock under good practices (soil);
- Hectares reforested through agroforestry (forest/soil).

---

**Referência do projeto**

Projeto 2

**Tipo de projeto**

Outro, especifique (Inclusive Community Economies Program)

**Motivação principal**

Voluntária

**Descrição do projeto**

The JBS Fund for the Amazon announced in the second quarter of 2021 and it is dedicated to promoting and financing initiatives and projects whose aim is the sustainable development of the Amazon Biome. One of the project is called Inclusive Community Economies Program. This project aims to strengthen the açai production chain in the region and in three years it should result in higher incomes for 240 local families, as well as consolidating an inclusive bioeconomy model. Included is the construction of a dedicated plant to produce pulp; the expansion of the higher value-added product portfolio; the drafting of a plans to lyophilize the fruit, which reduces the costs in the logistics chain; in addition to building of new schools and vocational training for young people and women to engage in the activity.

**Ano de início**

2021

**Ano da meta**

2024

**Área do projeto até o momento (hectares)**

3495

**Área do projeto no ano da meta (hectares)**

3965

**País/área**

Brasil

**Latitude**

0.034456

**Longitude**

-51.0666

**Frequência de monitoramento**

Semestralmente ou com frequência maior

**Resultados medidos até o momento**

Biodiversidade

Sequestro de carbono

Solo

Água

Regulagem climática

Financeiro

Outro, especifique (Bioeconomy; Gender/Youth; Social)

**Explique**

The project adheres to a tried, tested and approved sustainable development model, and will scale up the entire restructuring of the chain commencing with the new phase supported by the Fund.

The projects that will receive the resources will develop the forest bioeconomy, helping to add value to its natural products and also contributing to environmental conservation and socioeconomic development.

One of our focal points was to support projects that recognize the value of those at the base of the forest chain, such as extractive workers, indigenous people and other traditional communities that manage community business.

The project follow-up was done as follows:

- Monthly follow-up meetings;
- Four-monthly results reporting meetings.

List of measured results:

- Certified producer (social)
- Conserved Hectare (soil)
- Certified pulp production (economic)
- increase in female and youth participation (gender/youth)

For 2022, the planning is:

- Monthly follow-up meetings;
- Quarterly results reporting meetings;
- Biannual accountability meetings.

---

**Referência do projeto**

Projeto 3

**Tipo de projeto**

Outro, especifique (Sustainable fishing)

**Motivação principal**

Voluntária

**Descrição do projeto**

The JBS Fund for the Amazon is an association dedicated to promoting and financing initiatives and projects whose aim is the sustainable development of the Amazon Biome. The institution is open to contributions and partnerships with associations from the private sector, the third sector and multistakeholder groups. The Sustainable Fishing Project aims to strengthen the pirarucu chain through a feasibility study that will guide the construction a vessel to process the fish caught. The vessel construction will also financial by the Fund. Also included are training and technical consultancy for the local fish communities, with the aim of opening new markets for the fishery associations in the middle region of the Juruá river (AM).

**Ano de início**

2021

**Ano da meta**

2023

**Área do projeto até o momento (hectares)**

**Área do projeto no ano da meta (hectares)**

**País/área**

Brasil

**Latitude**

-3.48135

**Longitude**

-66.0695

**Frequência de monitoramento**

Semestralmente ou com frequência maior

**Resultados medidos até o momento**

Biodiversidade

Água

Outro, especifique (Bioeconomy; Gender equality)

### Explicação

The project adheres to a tried, tested and approved sustainable development model, and will scale up the entire restructuring of the chain commencing with the new phase supported by the Fund.

The projects that will receive the resources will develop the forest bioeconomy, helping to add value to its natural products and also contributing to environmental conservation and socioeconomic development. One of our focal points was to support projects that recognize the value of those at the base of the forest chain, such as extractive workers, indigenous people and other traditional communities that manage community business. The project area covers the region of Médio Juruá (Amazonas).

The project follow-up was done as follows:

- Monthly follow-up meetings;
- Four-monthly results reporting meetings.

List of results measured:

- Beneficiary family (social);
- Increase in female participation (gender);
- increase in fish production (economic).

For 2022, the planning is:

- Monthly follow-up meetings;
- Quarterly results reporting meetings;
- Biannual accountability meetings.

---

### Referência do projeto

Projeto 4

### Tipo de projeto

Outro, especifique (Accelerator & Impact Investments)

### Motivação principal

Voluntária

### Descrição do projeto

The JBS Fund for the Amazon is an association dedicated to promoting and financing initiatives and projects whose aim is the sustainable development of the Amazon Biome. The institution is open to contributions and partnerships with associations from the private sector, the third sector and multistakeholder groups. The Accelerator & Impact Investments project, during the next five years will promote the acceleration of startups focus on activities to promote bioeconomy in the Amazon which will be supported by a fund with philanthropic resources and private investments, as well as training and mentoring in these businesses selected and evaluated after a public call. This project encourages the strengthening of this entrepreneurial ambience of the biodiversity chain, important for preserving the forest.

### Ano de início

2021

### Ano da meta

2030

### Área do projeto até o momento (hectares)

### Área do projeto no ano da meta (hectares)

### País/área

Brasil

### Latitude

-3.10719

### Longitude

-60.0261

### Frequência de monitoramento

Semestralmente ou com frequência maior

### Resultados medidos até o momento

Biodiversidade

Sequestro de carbono

Solo

Água

Regulagem climática

Financeiro

Outro, especifique (Gender equality)

### Explicação

The project adheres to a tried, tested and approved sustainable development model, and will scale up the entire restructuring of the chain commencing with the new phase supported by the Fund. The project announcement is open to the entire Legal Amazon region. However, Latitude and Longitude was chosen from the capital of Amazonas (Manaus) because of the size of the state. One of our focal points was to support projects that recognize the value of those at the base of the forest chain, such as extractive workers, indigenous people and other traditional communities that manage community business.

The project follow-up was done as follows:

- Monthly follow-up meetings;
- Four-monthly meetings to report the results.

List of results measured:

- Beneficiary family (social)
- Increase in female participation (gender)
- increase in fish production (economic)

For 2022, the planning is:

- Monthly follow-up meetings;
- Quarterly results reporting meetings;
- Biannual accountability meetings.

---

### Referência do projeto

Projeto 5

**Tipo de projeto**

Outro, especifique (Leveraging credit for the forest chains)

**Motivação principal**

Voluntária

**Descrição do projeto**

The JBS Fund for the Amazon is an association dedicated to promoting and financing initiatives and projects whose aim is the sustainable development of the Amazon Biome. The institution is open to contributions and partnerships with associations from the private sector, the third sector and multistakeholder groups. Leveraging credit for the forest chains - This two years project, will help to free up credit for 2.500 smallholders in the value chains of nuts, açai, fish, wood, oils and resins. Local credit activators will be hired and trained to assist these smallholders to access credit on easy terms and conditions. Cooperatives will also receive consultancy in order to qualify for financing on easy terms and conditions.

**Ano de início**

2021

**Ano da meta**

2023

**Área do projeto até o momento (hectares)**

44000000

**Área do projeto no ano da meta (hectares)****País/área**

Brasil

**Latitude**

-3.10719

**Longitude**

-60.0261

**Frequência de monitoramento**

Semestralmente ou com frequência maior

**Resultados medidos até o momento**

Biodiversidade  
Sequestro de carbono  
Solo  
Água  
Regulação climática  
Financeiro  
Outro, especifique (Social)

**Explique**

The project adheres to a tried, tested and approved sustainable development model, and will scale up the entire restructuring of the chain commencing with the new phase supported by the Fund.

One of our focal points was to support projects that recognize the value of those at the base of the forest chain, such as extractive workers, indigenous people and other traditional communities that manage community business.

The project announcement is open to the following states: Acre, Amazonas, Amapá, Pará and Rondônia. However, the Latitude and Longitude were chosen from the capital of Amazonas (Manaus) due to the size/representativeness of the state.

The project follow-up was done as follows:

- Monthly follow-up meetings;
- Four-monthly meetings to report the results.

List of results measured:

- benefited families (social)
- Number of technicians trained (social)
- Engaged business (economic)
- Credit agreements (economic)
- Hectares of forestry (soil/forest)
- Hectares under productive areas of forestry chains (soil/forest)

For 2022, the planning is:

- Monthly follow-up meeting;
- Quarterly results reporting meetings;
- Biannual accountability meetings.

---

**F7. Verificação**

---

**F7.1**

---

**(F7.1) Alguma informação florestal apresentada no reporte para o CDP é verificada?**

Sim

---

**F7.1a**

---

**(F7.1a) Quais dados do reporte para o CDP foram verificados, e quais normas foram usadas?**

## Módulo de reporte

F0. Introdução

### Dados verificados

All issues that address the Socio-Environmental Monitoring System for the cattle livestock farms are annually audited by a third party.

### Norma de verificação

Third party audit. According to NBC TSC 4.400, specific Standard for Pre-Agreed Works.

### Explique

The cattle procurement operations and the entire monitoring system of suppliers are audited annually and independently. The standard used was adopted by agreement between the stakeholders of the public Livestock agreement. The results of the audits are published on the JBS website. The independent audits reveal that, since 2013, more than 99% of JBS cattle purchases from farms located in the Amazon region complied with the company's social and environmental criteria and with its agreement with the commitment, called the "Public Livestock Commitment". In 2021 100% of the purchases evaluated from direct suppliers met our socio-environmental criteria.

---

## Módulo de reporte

F1. Estado atual

### Dados verificados

All issues that address the Socio-Environmental Monitoring System for the cattle livestock farms are annually audited by a third party.

### Norma de verificação

Third party audit. According to NBC TSC 4.400, specific Standard for Pre-Agreed Works.

### Explique

The cattle procurement operations and the entire monitoring system of suppliers are audited annually and independently. The standard used was adopted by agreement between the stakeholders of the public Livestock agreement. The results of the audits are published on the JBS website. The independent audits reveal that, since 2013, more than 99% of JBS cattle purchases from farms located in the Amazon region complied with the company's social and environmental criteria and with its agreement with the commitment, called the "Public Livestock Commitment". In 2021 100% of the purchases evaluated from direct suppliers met our socio-environmental criteria.

---

## Módulo de reporte

F2. Procedimentos

### Dados verificados

All issues that address the Socio-Environmental Monitoring System for the cattle livestock farms are annually audited by a third party.

### Norma de verificação

Third party audit. According to NBC TSC 4.400, specific Standard for Pre-Agreed Works.

### Explique

The cattle procurement operations and the entire monitoring system of suppliers are audited annually and independently. The standard used was adopted by agreement between the stakeholders of the public Livestock agreement. The results of the audits are published on the JBS website. The independent audits reveal that, since 2013, more than 99% of JBS cattle purchases from farms located in the Amazon region complied with the company's social and environmental criteria and with its agreement with the commitment, called the "Public Livestock Commitment". In 2021 100% of the purchases evaluated from direct suppliers met our socio-environmental criteria.

---

## Módulo de reporte

F3. Riscos e oportunidades

### Dados verificados

All issues that address the Socio-Environmental Monitoring System for the cattle livestock farms are annually audited by a third party.

### Norma de verificação

Third party audit. According to NBC TSC 4.400, specific Standard for Pre-Agreed Works.

### Explique

The cattle procurement operations and the entire monitoring system of suppliers are audited annually and independently. The standard used was adopted by agreement between the stakeholders of the public Livestock agreement. The results of the audits are published on the JBS website. The independent audits reveal that, since 2013, more than 99% of JBS cattle purchases from farms located in the Amazon region complied with the company's social and environmental criteria and with its agreement with the commitment, called the "Public Livestock Commitment". In 2021 100% of the purchases evaluated from direct suppliers met our socio-environmental criteria.

---

## Módulo de reporte

F4. Governança

### Dados verificados

All issues that address the Socio-Environmental Monitoring System for the cattle livestock farms are annually audited by a third party.

### Norma de verificação

Third party audit. According to NBC TSC 4.400, specific Standard for Pre-Agreed Works.

### Explique

The cattle procurement operations and the entire monitoring system of suppliers are audited annually and independently. The standard used was adopted by agreement between the stakeholders of the public Livestock agreement. The results of the audits are published on the JBS website. The independent audits reveal that, since 2013, more than 99% of JBS cattle purchases from farms located in the Amazon region complied with the company's social and environmental criteria and with its agreement with the commitment, called the "Public Livestock Commitment". In 2021 100% of the purchases evaluated from direct suppliers met our socio-environmental criteria.

---

## Módulo de reporte

F5. Estratégia

### Dados verificados

All issues that address the Socio-Environmental Monitoring System for the cattle livestock farms are annually audited by a third party.

### Norma de verificação

Third party audit. According to NBC TSC 4.400, specific Standard for Pre-Agreed Works.

### Explique

The cattle procurement operations and the entire monitoring system of suppliers are audited annually and independently. The standard used was adopted by agreement

---



between the stakeholders of the public Livestock agreement. The results of the audits are published on the JBS website. The independent audits reveal that, since 2013, more than 99% of JBS cattle purchases from farms located in the Amazon region complied with the company's social and environmental criteria and with its agreement with the commitment, called the "Public Livestock Commitment". In 2021 100% of the purchases evaluated from direct suppliers met our socio-environmental criteria.

---

#### **Módulo de reporte**

F6. Implementação

#### **Dados verificados**

All issues that address the Socio-Environmental Monitoring System for the cattle livestock farms are annually audited by a third party

#### **Norma de verificação**

Third party audit. According to NBC TSC 4.400, specific Standard for Pre-Agreed Works

#### **Explique**

The cattle procurement operations and the entire monitoring system of suppliers are audited annually and independently. The standard used was adopted by agreement between the stakeholders of the public Livestock agreement. The results of the audits are published on the JBS website. The independent audits reveal that, since 2013, more than 99% of JBS cattle purchases from farms located in the Amazon region complied with the company's social and environmental criteria and with its agreement with the commitment, called the "Public Livestock Commitment". In 2021 100% of the purchases evaluated from direct suppliers met our socio-environmental criteria.

---

#### **Módulo de reporte**

SF. Módulo do Programa Supply Chain

#### **Dados verificados**

All issues that address the Socio-Environmental Monitoring System for the cattle livestock farms are annually audited by a third party

#### **Norma de verificação**

Third party audit. According to NBC TSC 4.400, specific Standard for Pre-Agreed Works.

#### **Explique**

The cattle procurement operations and the entire monitoring system of suppliers are audited annually and independently. The standard used was adopted by agreement between the stakeholders of the public Livestock agreement. The results of the audits are published on the JBS website. The independent audits reveal that, since 2013, more than 99% of JBS cattle purchases from farms located in the Amazon region complied with the company's social and environmental criteria and with its agreement with the commitment, called the "Public Livestock Commitment". In 2021 100% of the purchases evaluated from direct suppliers met our socio-environmental criteria.

---

## **F8. Obstáculos e desafios**

---

### **F8.1**

---

**(F8.1) Descreva os principais obstáculos e desafios para eliminar o desmatamento e/ou a conversão de outros ecossistemas naturais das operações diretas ou de outras partes da cadeia de valor.**

**commodity de risco florestal**

Produto florestal madeireiro

**Abrangência**

Cadeia de fornecimento

**Principal tipo de obstáculo/desafio**

Sensibilização pública e/ou demanda do mercado limitadas

**Comentários**

In general, it is possible to see efforts that JBS has been making to ensure sustainable origin of its products and a supply chain free of deforestation and other social and environmental requirements. However, we believe that government agencies cooperation in the periodic provision of farms' information regarding land and environmental compliance in the country is a key factor in struggling deforestation practices of the supply chain. The results of the Zero Deforestation initiative are closely linked to the availability of data, since this information needs to be in an operational form, up-to-date and sufficient for companies to carry out their supply chain management. Another relevant point is that sustainability can be noticed as a differential factor, since frigorífic and company's retailers that are committed to deforestation-free production will be enabled in this market.

---

**commodity de risco florestal**

Produtos da pecuária

**Abrangência**

Operações diretas

Cadeia de fornecimento

**Principal tipo de obstáculo/desafio**

Sensibilização pública e/ou demanda do mercado limitadas

**Comentários**

In general, it is possible to see efforts that JBS has been making to ensure sustainable origin of its products and a supply chain free of deforestation and other social and environmental requirements, through its Social and Environmental Monitoring System of Suppliers. However, we believe that the cooperation of government agencies in the periodic provision of farm's information regarding land and environmental compliance in the country is a key factor in combating deforestation practices of the supply chain. Regarding the commitments assumed by JBS, such as zero deforestation and agreements with the MPF, it is required that other companies also assume these commitments, ensuring that the entire cattle production chain is in accordance with the established socioenvironmental criteria. To achieve control of the indirect supply of livestock, an evolutionary discussion with government agencies is necessary to develop public mechanisms or platforms with accessible information, which allow animal traceability. One of the major challenges for monitoring the entire supply chain, including indirect suppliers (that is, those who sell animals to JBS's direct suppliers) is the difficulty of accessing information that allows them to track all stages of the supply chain. Due to the challenge of the traceability of the Brazilian cattle breeding, in which there is no access and availability of public data on the transit of animals that would allow the development of animal traceability tools and that would generate the identification and social and environmental monitoring of the properties, JBS developed the Livestock Transparent Platform that will allow direct suppliers and the company to have visibility of the social and environmental compliance of the supply chain. To extend this control to its suppliers' suppliers, JBS launched the Transparent Livestock Platform, a tool that allows direct suppliers to register and monitor their own suppliers, in order to ensure that they are complying with social and environmental criteria during the cattle raising process. The platform, developed with blockchain technology, guarantees the security and privacy of the data. The adherence of the suppliers is voluntary until 2025, as of 2026 adherence will be mandatory and JBS will not trade animals from producers not incorporated into this platform.

---

**commodity de risco florestal**

Soja

**Abrangência**

Cadeia de fornecimento

**Principal tipo de obstáculo/desafio**

Sensibilização pública e/ou demanda do mercado limitadas

**Comentários**

In general, it is possible to see the efforts that JBS has been making to ensure sustainable origin of its products and a supply chain free of deforestation and other social and environmental requirements. However, we believe that government agencies cooperation in the periodic provision of farms' information regarding land and environmental compliance in the country is a key factor in struggling deforestation practices of the supply chain. JBS has followed the advances in the management of the monitoring of deforestation in the Cerrado biome of the Soy sector, which involves a round table that aims to seek solutions to reduce and, in the shortest possible time, eliminate deforestation in the Cerrado directly associated with the combining production with environmental, economic and social interests.

---

**F8.2**

**(F8.2) Descreva as principais medidas que melhorariam a capacidade da organização de administrar sua exposição ao desmatamento e/ou à conversão de outros ecossistemas naturais.**

**commodity de risco florestal**

Produto florestal madeireiro

**Abrangência**

Cadeia de fornecimento

**Medida principal**

Desenvolvimento de certificações e normas de sustentabilidade

**Comentários**

Environmental and development agencies strengthening for improvements on control and awareness. As well public programs on the supply chain to recognize, create better commercial conditions e demand for certified products.

**commodity de risco florestal**

Produtos da pecuária

**Abrangência**

Cadeia de fornecimento

**Medida principal**

Desenvolvimento de certificações e normas de sustentabilidade

**Comentários**

The traceability of the entire meat chain, although a complex task, can be achieved in the medium term. As one of the biggest challenges in the entire supply chain, to track all stages of the supply chain includes indirect suppliers (those who sell animals to JBS direct suppliers), thus the accessing to information is essential. The indirect supplier issue is structural and quite different from the direct supplier monitoring approaches and requires collaborative work and a solid approach at the industry level, rather than the traditional view of full animal traceability. In this way, JBS has invested in projects to assess its approach to direct and indirect suppliers. The new platform, Transparent Livestock, with blockchain technology is an unprecedented initiative that will cross information from the Company's suppliers with animal transit data. The new technology will make it possible to extend the socio-environmental monitoring in the Amazon to other links in the production chain. The initiative will use blockchain technology precisely to provide confidentiality and security in accessing information and transparency in the analysis of suppliers. The work will be audited and its results reported in the annual and sustainability report. The Company will carry out engagement campaigns with suppliers and entities so that by the end of 2025, its suppliers' suppliers are on the Platform. The absence of official data on deforestation in other Brazilian biomes restricts the company's actions in the sustainable management of suppliers. In 2020, the project Green Offices was launched by JBS. Prepared to receive any rancher interested in regularizing their farm's environmental liabilities. JBS teams are connected to a network of consultants specialized in environmental issues that will help producers in practical activities, such as registering the property in the Rural Environmental Registry (CAR), reforestation plans to meet the Environmental Regularization Program (PRA), in addition to supporting processes for the regularization of areas with illegal deforestation or environmental embargoes by IBAMA or State Environmental Secretariats. All this technical support will be free to our suppliers.

**commodity de risco florestal**

Soja

**Abrangência**

Cadeia de fornecimento

**Medida principal**

Desenvolvimento de certificações e normas de sustentabilidade

**Comentários**

With the new Brazilian Forest Code approval and Rural Environmental Registry (CAR - georeferenced map of rural property that contains its geographical boundaries and definition of land uses - productive area and preservation) regulation, will be created a rich database of farms in Brazil. With the availability of this information, companies can have a better management of supply chains monitoring in the country, particularly for soybeans and cattle.

**F17 Aprovação**

**F-FI**

**(F-FI) Use este campo para fornecer eventuais informações ou contextos adicionais considerados relevantes para a resposta da organização. Observe que este campo é opcional e não é pontuado.**

**F17.1**

**(F17.1) Dê as seguintes informações sobre a pessoa que assinou (aprovou) a resposta ao questionário de florestas do CDP.**

	Cargo	Categoria de trabalho correspondente
Linha 1	Chief Sustainability Officer	Diretor de Sustentabilidade (CSO)

**SF. Módulo do Programa Supply Chain**

**SF0.1**

(SF0.1) Qual é a receita anual da organização no período de reporte?

	Receita anual
Linha 1	350695560000

SF1.1

(SF1.1) Em F6.3, foi perguntado: "Foi adotado algum esquema de certificação de terceiros para a(s) commodity(ies) divulgada(s)? Indique o volume e a porcentagem da produção e/ou consumo certificados." É possível indicar ainda, para cada uma das commodities divulgadas, a porcentagem de volume certificado vendido para cada membro solicitante do Programa Supply Chain do CDP?

Sim

SF1.1a

(SF1.1a) Para cada membro solicitante do Programa Supply Chain do CDP, indique a porcentagem de volume certificado vendido por commodity divulgada.

**Membro solicitante**

Walmart, Inc.

**commodity de risco florestal**

Produtos da pecuária

**Forma da commodity**

Gado

**Esquema de certificação de terceiros**

Outro, especifique (Responsible Sourcing Policy and Public Livestock Commitment; Third party audit. According to NBC TSC 4.400, specific Standard for Pre-Agreed Works.)

**Volume total de commodities vendido ao membro**

330915.54

**Métrica**

Toneladas métricas

**Que porcentagem do volume declarado na coluna 5 é certificada?**

100%

**Comentários**

JBS assumed the commitment to ensure the responsible origin of its raw materials, not purchasing cattle from suppliers involved with native woodlands deforestation, environmental conservation units and indigenous lands invasion, rural violence and agrarian conflicts, or with the use of compulsory and child labor. The cattle procurement operations and the entire monitoring system of suppliers are audited annually and independently. The standard used was adopted by agreement between the stakeholders of the public Livestock agreement. The results of the audits are published on the JBS website. The independent audits reveal that, since 2013, more than 99% of JBS cattle purchases from farms located in the Amazon region complied with the company's social and environmental criteria and with its agreement with the commitment, called the "Public Livestock Commitment". In 2021 100% of the purchases evaluated from direct suppliers met our socio-environmental criteria. Related to global operation.

**Membro solicitante**

Restaurant Brands International

**commodity de risco florestal**

Produtos da pecuária

**Forma da commodity**

Gado

**Esquema de certificação de terceiros**

Outro, especifique (Responsible Sourcing Policy and Public Livestock Commitment; Third party audit. According to NBC TSC 4.400, specific Standard for Pre-Agreed Works.)

**Volume total de commodities vendido ao membro**

19282.51

**Métrica**

Toneladas métricas

**Que porcentagem do volume declarado na coluna 5 é certificada?**

100%

**Comentários**

JBS assumed the commitment to ensure the responsible origin of its raw materials, not purchasing cattle from suppliers involved with native woodlands deforestation, environmental conservation units and indigenous lands invasion, rural violence and agrarian conflicts, or with the use of compulsory and child labor. The cattle procurement operations and the entire monitoring system of suppliers are audited annually and independently. The standard used was adopted by agreement between the stakeholders of the public Livestock agreement. The results of the audits are published on the JBS website. The independent audits reveal that, since 2013, more than 99% of JBS cattle purchases from farms located in the Amazon region complied with the company's social and environmental criteria and with its agreement with the commitment, called the "Public Livestock Commitment". In 2021 100% of the purchases evaluated from direct suppliers met our socio-environmental criteria. Related to Brazil operation.

**Membro solicitante**

Arcos Dorados

**commodity de risco florestal**

Produtos da pecuária

### Forma da commodity

Gado

### Esquema de certificação de terceiros

Outro, especifique (Responsible Sourcing Policy and Public Livestock Commitment; Third party audit. According to NBC TSC 4.400, specific Standard for Pre-Agreed Works.)

### Volume total de commodities vendido ao membro

107866.09

### Métrica

Toneladas métricas

### Que porcentagem do volume declarado na coluna 5 é certificada?

100%

### Comentários

JBS assumed the commitment to ensure the responsible origin of its raw materials, not purchasing cattle from suppliers involved with native woodlands deforestation, environmental conservation units and indigenous lands invasion, rural violence and agrarian conflicts, or with the use of compulsory and child labor. The cattle procurement operations and the entire monitoring system of suppliers are audited annually and independently. The standard used was adopted by agreement between the stakeholders of the public Livestock agreement. The results of the audits are published on the JBS website. The independent audits reveal that, since 2013, more than 99% of JBS cattle purchases from farms located in the Amazon region complied with the company's social and environmental criteria and with its agreement with the commitment, called the "Public Livestock Commitment". In 2021 100% of the purchases evaluated from direct suppliers met our socio-environmental criteria. Related to global operation.

## SF2.1

### (SF2.1) Proposta eventuais projetos relativos às florestas mutuamente benéficos no qual a organização pode colaborar com membros específicos do Programa Supply Chain do CDP.

#### Membro solicitante

Walmart, Inc.

#### commodity relacionada ao projeto

Produtos da pecuária

#### Categoria do projeto

Avaliação da sustentabilidade da relação

#### Tipo de projeto

Outros projetos de avaliação de sustentabilidade da relação, especifique (Social Environmental Monitoring System)

#### Prazos estimados para a realização dos benefícios para o cliente

1-3 anos

#### Detalhes do projeto

In general, it is possible to see efforts that JBS has been making to ensure sustainable origin of its products and a supply chain free of deforestation and other social and environmental requirements, through its Social and Environmental Monitoring System of Suppliers. However, we believe all companies in the beef value chain must take on sustainable purchasing policies, once it is a key factor in struggling deforestation practices of the supply chain. Regarding to the commitments made by JBS such as zero deforestation, is important and require that other companies also make these commitments, ensuring that whole cattle supply chain stay in compliance with social and environmental criteria established. While there are companies that buy from suppliers who work illegally, there will still be a market barrier to ban unsustainable practices.

#### Resultado projetado

In general, it is possible to see efforts that JBS has been making to ensure sustainable origin of its products and a supply chain free of deforestation and other social and environmental requirements, through its Social and Environmental Monitoring System of Suppliers. To ensure compliance with the JBS's commitments, an independent party annually audits the System. According to the independent audit results of the last four years, all above 99% and in 2021, 100% of the purchases evaluated from direct suppliers met our socio-environmental criteria. The audit results of 2021 are available on JBS official website (<https://jbs.com.br/sustentabilidade/integridade-do-produto/garantia-de-origem/>). For partner companies, there will be the benefit of ensuring that the raw materials are sourced sustainably. In addition, JBS has been developing systems and procedures to serve the Deforestation Free Beef Procurement Policy (MCD).

#### Membro solicitante

Restaurant Brands International

#### commodity relacionada ao projeto

Produtos da pecuária

#### Categoria do projeto

Avaliação da sustentabilidade da relação

#### Tipo de projeto

Outros projetos de avaliação de sustentabilidade da relação, especifique (Social Environmental Monitoring System)

#### Prazos estimados para a realização dos benefícios para o cliente

1-3 anos

#### Detalhes do projeto

In general, it is possible to see efforts that JBS has been making to ensure sustainable origin of its products and a supply chain free of deforestation and other social and environmental requirements, through its Social and Environmental Monitoring System of Suppliers. However, we believe all companies in the beef value chain must take on sustainable purchasing policies, once it is a key factor in struggling deforestation practices of the supply chain. Regarding to the commitments made by JBS such as zero deforestation, is important and require that other companies also make these commitments, ensuring that whole cattle supply chain stay in compliance with social and environmental criteria established. While there are companies that buy from suppliers who work illegally, there will still be a market barrier to ban unsustainable practices.

#### Resultado projetado

In general, it is possible to see efforts that JBS has been making to ensure sustainable origin of its products and a supply chain free of deforestation and other social and

environmental requirements, through its Social and Environmental Monitoring System of Suppliers. To ensure compliance with the JBS's commitments, an independent party annually audits the System. According to the independent audit results of the last four years, all above 99% and in 2021, 100% of the purchases evaluated from direct suppliers met our socio-environmental criteria. The audit results of 2021 are available on JBS official website (<https://jbs.com.br/sustentabilidade/integridade-do-produto/garantia-de-origem/>). For partner companies, there will be the benefit of ensuring that the raw materials are sourced sustainably. In addition, JBS has been developing systems and procedures to serve the Deforestation Free Beef Procurement Policy (MCD).

---

**Membro solicitante**

Arcos Dorados

**commodity relacionada ao projeto**

Produtos da pecuária

**Categoria do projeto**

Avaliação da sustentabilidade da relação

**Tipo de projeto**

Outros projetos de avaliação de sustentabilidade da relação, especifique (Social Environmental Monitoring System)

**Prazos estimados para a realização dos benefícios para o cliente**

1-3 anos

**Detalhes do projeto**

In general, it is possible to see efforts that JBS has been making to ensure sustainable origin of its products and a supply chain free of deforestation and other social and environmental requirements, through its Social and Environmental Monitoring System of Suppliers. However, we believe all companies in the beef value chain must take on sustainable purchasing policies, once it is a key factor in struggling deforestation practices of the supply chain. Regarding to the commitments made by JBS such as zero deforestation, is important and require that other companies also make these commitments, ensuring that whole cattle supply chain stay in compliance with social and environmental criteria established. While there are companies that buy from suppliers who work illegally, there will still be a market barrier to ban unsustainable practices.

**Resultado projetado**

In general, it is possible to see efforts that JBS has been making to ensure sustainable origin of its products and a supply chain free of deforestation and other social and environmental requirements, through its Social and Environmental Monitoring System of Suppliers. To ensure compliance with the JBS's commitments, an independent party annually audits the System. According to the independent audit results of the last four years, all above 99% and in 2021, 100% of the purchases evaluated from direct suppliers met our socio-environmental criteria. The audit results of 2021 are available on JBS official website (<https://jbs.com.br/sustentabilidade/integridade-do-produto/garantia-de-origem/>). For partner companies, there will be the benefit of ensuring that the raw materials are sourced sustainably. In addition, JBS has been developing systems and procedures to serve the Deforestation Free Beef Procurement Policy (MCD).

---

**SF2.2**

**(SF2.2) Solicitações ou iniciativas de membros do Programa Supply Chain do CDP levaram a organização a adotar medidas em nível organizacional para reduzir ou remover o desmatamento/degradação florestal de suas operações ou de sua cadeia de fornecimento?**

Sim

---

**SF2.2a**

(SF2.2a) Especifique o(s) membro(s) solicitante(s) do Programa Supply Chain do CDP que estimulou(ram) a ação em nível organizacional para reduzir ou remover o desmatamento/degradação da floresta das operações ou da cadeia de fornecimento da organização, e dê detalhes de como isso foi feito.

**Membro solicitante**

Walmart, Inc.

**Categoria do projeto**

Política e compromissos

**Tipo de projeto**

Assumir um compromisso público

**Descrição do projeto/iniciativa**

Sustainable Meat Project: the new approach to the purchase of meat produced in the Amazon region, in accordance with defined socio-environmental criteria, is positive and opens up numerous opportunities for local development, increased productivity and environmental regularization of beef cattle farms.

**Dê uma indicação da métrica de sucesso para a iniciativa**

100% of product supply meets sustainability policies and commitments (deforestation).

**Você gostaria que os membros do Programa Supply Chain do CDP destacassem este trabalho em suas comunicações externas?**

Sim

---

**Membro solicitante**

Restaurant Brands International

**Categoria do projeto**

Política e compromissos

**Tipo de projeto**

Assumir um compromisso público

**Descrição do projeto/iniciativa**

Sustainable Meat Project: the new approach to the purchase of meat produced in the Amazon region, in accordance with defined socio-environmental criteria, is positive and opens up numerous opportunities for local development, increased productivity and environmental regularization of beef cattle farms.

**Dê uma indicação da métrica de sucesso para a iniciativa**

100% of product supply meets sustainability policies and commitments (deforestation).

**Você gostaria que os membros do Programa Supply Chain do CDP destacassem este trabalho em suas comunicações externas?**

Sim

---

**Membro solicitante**

Arcos Dorados

**Categoria do projeto**

Política e compromissos

**Tipo de projeto**

Assumir um compromisso público

**Descrição do projeto/iniciativa**

Sustainable Meat Project: the new approach to the purchase of meat produced in the Amazon region, in accordance with defined socio-environmental criteria, is positive and opens up numerous opportunities for local development, increased productivity and environmental regularization of beef cattle farms.

**Dê uma indicação da métrica de sucesso para a iniciativa**

100% of product supply meets sustainability policies and commitments (deforestation).

**Você gostaria que os membros do Programa Supply Chain do CDP destacassem este trabalho em suas comunicações externas?**

Sim

---

SF3.1

---

(SF3.1) Para a(s) commodity(ies) divulgada(s), são estimadas reduções e/ou eliminações nas emissões de GEEs no uso da terra e em mudanças do uso da terra ocorridas nas operações diretas e/ou na cadeia de fornecimento?

**Produto florestal madeireiro**

**Faça uma estimativa das emissões e dos cortes de GEEs no uso da terra e nas mudanças no uso da terra**

Não

**Explique**

The commodity is not sold to the requesting member.

**Produtos da pecuária**

**Faça uma estimativa das emissões e dos cortes de GEEs no uso da terra e nas mudanças no uso da terra**

Sim, mas não desejamos compartilhar os detalhes

**Explique**

JBS works to minimize and mitigate the impacts related to this topic. The generation of engagement of its suppliers through technical training aimed at the management of property and the production, enables the increase of productivity, in order to recover degraded pastures, generate reductions of GHG emissions and avoid the conversion of soil to new agricultural production areas in order to allow deforestation. Also, JBS is committed to combating, discouraging and eliminating deforestation of its supply chain in the Amazon, that is why it has a robust system of social and environmental monitoring, to analyse and verify whether its livestock supplying farms follow the criteria stipulated in its Policy on Responsible Procurement of Raw Materials, aimed at guaranteeing a sustainable supply chain.

In addition, a partnership with Liga do Araguaia, an organization formed by the region's own producers, JBS will cover 80% of the costs of consulting and technical assistance aimed at the sustainable intensification of farms selected by the institution, 13 of which are already in the training process. according to the company, it is to strengthen the production of sustainable meat in the biome and make the Araguaia region a "global parameter for good production practices".

**Soja**

**Faça uma estimativa das emissões e dos cortes de GEEs no uso da terra e nas mudanças no uso da terra**

Não

**Explique**

The commodity is not sold to the requesting member.

**Enviar sua resposta**

**A resposta está sendo enviada em qual idioma?**

Inglês

**Confirme como a resposta deve ser gerenciada pelo CDP**

	Compreendo que minha resposta será compartilhada com todas as partes interessadas solicitantes	Permissão da resposta
Selecione suas opções de envio	Sim	Público

**Confirme abaixo**

Li e aceito os Termos aplicáveis