

Approach adopted by the Company to stakeholder engagement - [102-43]

Stakeholder	Engagement undertaken	Frequency
Civil society, local communities	External ombudsman service, regular visits	24x7 ombudsman service. In person visits if necessary.
Customers	External ombudsman service, Alô Minerva (Hello Minerva) customer attendance service	Customer attendance and ombudsman services are continuously available
Own and outsourced employees	Conexão Minerva - Internal ombudsman service, internal information displays and bulletin boards, SGI Journey	Internal devices and ombudsman services are continuously available SGI journey is realized annually
Trade Unions	Alignment and negotiation meetings, Grupo de Trabalho da Pecuária Sustentável (GTPS) Sustainable animal farming work team	Alignment meetings are realized at least once a year or when there is a need GTPS - there are regular meetings with the participations of all sectors involve
Shareholders, investors and financial institutions	Minerva Day, Conference calls talking about the Company's results, Reports to the market	Minerva Day - annually Conference calls - quarterly Reports to the market - as needed
Suppliers	Talking about livestock and other workshops	At least annually
Companies in the Sector	Through the GTPS and other associations	Continuously
NGOs	Conference calls talking about the Company's results, Reports to the Market, GTPS and other multistakeholder associations that the Company is a part of	Conference calls - quarterly Others - continuously

Key topics and concerns raised during the engagement, by stakeholder groups - [102-44]

Key topics and concerns	Adopted measures	Stakeholder groups
Sustainability; Efficiency on the field; Market Source material; Animal welfare	Promoting events that discuss sector-related topics, like the Falando de Pecuária (Talking about livestock); Sending emails to our suppliers; Participation of groups that discuss sector-related topics, like the GTPS - Grupo de Trabalho da Pecuária Sustentável. (Sustainable animal farming work team). In other countries, for example Paraguay, the Company has participated in discussion meetings with NGOs (WWF), and government agencies like the USAID - United States Agency for International Development.	Livestock farmers, associations and unions
Economic scenario; Financial results; Company's performance in the national and the international scenarios	Promoting events like the "Minerva Day", that is realized in Brazil and in the United States, and conference calls to present the Company's quarterly results, also the easy access to the Investor relations team.	Shareholders and financial stakeholders
Health and safety; environment; food quality and hygiene and family income.	Realized through Jornada SGI (Integrated management system [SGI] journey) to discuss and promote awareness about topics and promote internal communications for the employees.	Employees and local communities

Direct Economic Value Generated and Distributed - [201-1]

Cash flow statements for the periods that ended on december 31st 2019 and 2018 - (In thousands of Reais)	Controlled		Consolidated	
	12/31/19	12/31/18	12/31/19	12/31/18
	Reclassified		Reclassified	
Cash flows from operating activities	16,157	-1,264,782	16,157	(1,264,782)
Year's result				
Depreciations and amortizations	125,688	98,549	263,994	221,732
Estimated loss/(reversal) with doubtful liquidation credit	3,856	-5,260	7,935	-5,236
Asset sale result	1,614	2,516	1,772	3,742
Results attributed to the non-controllers		-	-	-
Fair value of biological assets	28,836	17,274	-28,836	17,274
Deferred tax collection	236,012	-525,710	-301,804	-562,723
Decrease in recoverable value of assets	-	18,838	-	18,838
Equity income result	72,555	60,743	-	-
Financial costs	542,709	729,813	951,676	989,123
Unrealized exchange rate	325,396	888,875	307,567	1,202,879
Monetary correction	-	-4,038	173,058	-104,569
Provision for procedural risks	-3,596	-235,881	-4,502	-288,703
Accounts receivable from customers and other receivables	212,359	-235,881	-57,994	-288,703
Stockpiles	-19,196	-24,272	-22,106	30,350
Biological assets	-44,543	23,999	-50,239	40,345
Taxes to be recovered	78,659	69,480	99,657	21,991
Deferred taxation	-	440,100	-	443,466
Judicial deposits	-336	-1,841	-552	-2,206
Suppliers	421,555	-14,771	510,014	-175,891

Cash flow statements for the periods that ended on december 31st 2019 and 2018 - (In thousands of Reais)	Controlled		Consolidated	
	12/31/19	12/31/18	12/31/19	12/31/18
	Reclassified		Reclassified	
Labor and tax liabilities	26,182	6,296	67,504	63,965
Other accounts payable	-156,720	755,633	-175,409	680,288
Cash flow from operating activities	1,192,381	1,035,561	1,757,892	1,329,883
Cash flow from investment activity				
Acquisition of subsidiary less availability on acquisition	-	-	-	-
Investment acquisitions	-2,692	-63,700	-	-
Intangible assets acquisitions	-5,726	-5,303	-4,797	-8,053
Immobilized acquisitions	-154,524	-74,990	-242,266	-181,037
Cash flows applied on investment activities	-162,942	-143,993	-247,063	-189,090
Cash flow from financing activity				
Loans and financing obtained	3,505,770	1,506,305	3,723,696	2,150,743
Loans and Financing Liquidated	-4,044,218	-1,788,305	-5,145,845	-3,732,765
Commercial Lease	-15,176	-	-21,674	-
Related parties	-667,900	-302,092	-	-
Variation in the participation of non-controllers	-	-	-	-
Payment of capital in cash	172,758	980,405	172,758	980,405
Additional proposed dividends paid	-	-	-	-
Treasury shares	2,240	-4,489	2,240	-4,489
Cash from financing activities	-1,046,526	391,824	-1,268,825	-606,106

Direct Economic Value Generated and Distributed - [201-1] Continuation

Cash flow statements for the periods that ended on december 31st 2019 and 2018 - (In thousands of Reais)	Controlled		Consolidated	
	12/31/19	12/31/18	12/31/19	12/31/18
	Reclassified		Reclassified	
Exchange variation on cash and cash equivalent	-12,678	216,390	-169,302	54,956
Net increase/decrease in cash and cash equivalent	-29,765	1,499,782	72,702	589,643
Cash and cash equivalents				
At the beginning of the period	4,053,825	2,554,043	4,396,985	3,807,342
At the end of the period	4,024,060	4,053,825	4,469,687	4,396,985
Net increase/decrease in cash and cash equivalent	-29,765	1,499,782	72,702	589,643
Added value statements for the periods ended in december 31st 2019 and 2018 - (In thousands of Reais)	Controlled		Consolidated	
	12/31/19	12/31/18	12/31/19	12/31/18
Revenues	8,681,216	7,804,259	17,483,942	16,058,321
Goods, products and services sales	8,642,113	7,693,390	17,440,792	15,830,193
Other revenues	39,103	110,869	43,150	228,128
Outsourced purchased inputs	-8,051,510	-7,833,299	-15,402,295	-15,802,523
(Included tax values - ICMS, IPI, PIS e COFINS)				
Costs of products, goods and services that were sold	-7,183,795	-6,319,946	-13,586,665	-12,700,138
Materials, energy, outsourced services and others	-867,715	-1,513,353	-1,815,630	-3,102,385
Gross value added	629,706	-29,040	2,081,647	255,798
Depreciation, amortization and exhaustion	-125,688	-98,549	-263,994	-221,732
Net added value produced by the entity	504,018	-127,589	1,817,653	34,066
Added value that was received by transfer	120,526	6,071	64,385	85,958

Equity income results	72,555	-60,743	-	-
Financial revenues	47,971	66,814	64,385	85,958
Total added value to distribute (5+6)	624,544	-121,518	1,882,038	120,024
Distribution of the value added	624,544	-121,518	1,882,038	120,024
Personal	189,047	205,691	762,242	368,965
Taxes, fees and contributions	-198,980	-485,930	11,231	-472,881
Remuneration of third-party capital	618,320	1,423,503	1,092,408	1,488,722
Interest	606,312	1,411,353	1,075,876	1,466,029
Rentals	12,008	12,150	16,532	22,693
Return on equity	16,157	-1,264,782	16,157	-1,264,782
Profit/losses from the periods	16,157	-1,264,782	16,157	-1,264,782
Non-controlling interests in retained earnings (consolidation only)	-	-	-	-

Number of employees, by region and gender *Brazil - [102-8]

BRAZIL									
Region	2019			2018			2017		
	Male	Female	Total	Female	Male	Total	Female	Male	Total
North	1,568	537	2,105	488	1,405	1,893	504	1,393	1,897
Northeast	55	22	77	15	55	70	14	45	59
Center-west	2,629	1,156	3,785	1,173	2,602	3,775	2,736	1,181	3,917
Southeast	3,438	1,571	5,009	1,453	3,190	4,643	1,595	3,294	4,889
South	1	1	2	1	3	4	1	11	12
Total	7,691	3,287	10,978	3,130	7,255	10,385	3,295	7,479	10,774

Third Parties - Brazil

Activity Area	Total
Administrative	49
Support Areas	0
Comercial	0
Industrial	551
Total	600

* Minerva maintains the classification of third parties only by areas of activity

Company Total*

Number of employees, by gender *	2019		2018		2017	
	Male	Female	Male	Female	Male	Female
	14,059	4,410	13,336	4,199	13,622	4,437
Total	18,469		17,535		18,059	

* 100% of the contracts are of the permanent type

ATHENA FOODS

Number of employees, by country and gender

Country	Female	Male	TOTAL
Argentina	211	2,177	2,388
Chile	15	36	51
Colombia	56	644	700
Paraguay	547	2,010	2,557
Uruguay	294	1,501	1,795
Total		7,491	

Number of outsourced employees, by employee category and country - Athena Foods

Activity Area	Argentina	Colombia	Paraguay	Uruguay	Total
Administrative	88	-	-	1	89
Support Areas	-	-	117	71	188
Comercial	6	-	-	-	6
Industrial	138	-	-	-	138
Total	232	-	117	72	421

Proportion of senior management* hired from the local community**, by country - [202-2]

Brazil	26%
Argentina	83%
Colombia	50%
Paraguay	37%
Uruguay	82%

* Senior management: roles of responsibility and management of the units.

** Local community: In Brazil by state and in other countries by municipality.

New employee hires and employee turnover - [401-1]

New employee hires and employee turnover by age group, gender and region - Brazil*

	Number of new hired employees	Rate of new hires (%)	Number of employees dismissed	Turnover rate (%)
Gender				
Male	2,071	2.4%	1,590	2.12%
Female	696	0.8%	622	0.76%
Total	2,767	3.21%	2,212	2.89%
Age Group				
Under 30 years	1,778	2.06%	1,201	1.73%
Between 30 to 50 years	958	1.11%	931	1.10%
Over 50 years	31	0.04%	80	0.06%
Total	2,767	3.21%	2,212	2.89%
Region				
Center-West	756	0.88%	512	0.74%
Northeast	351	0.41%	322	0.39%
North	23	0.03%	14	0.02%
Southeast	787	0.91%	561	0.78%
South	850	0.99%	803	0.96%
Total	2,767	3.21%	2,212	2.89%

*Turnover rates refers to industrial units only

Average hours of training per year, by employee category *Brazil - [404-1]

Employee category	2019			2018			2017		
	Number of Company employees by category	Number of training hours offered by category	Average of training hours by category	Number of Company employees by category	Number of training hours offered by category	Average hours of training, by functional category	Number of Company employees by category	Number of training hours offered by category	Average of training hours by category
Administration	31	48	6.9	334	536,05	11.41	474	1,013.63	N/D
Commercial	379	7,363	5.5	N/D	N/D	N/D	118	44	N/D
Leadership	2,140	639.2	4.7	1,556	638.74	5.19	2,088.00	566.19	N/D
Operational	8,604	2,844	4.1	13,437	4,830.99	4.85	14,686.00	3,329.67	N/D
Mixed	10,723	2,583	5.2	14,307	3,038.26	4.48	11,439.00	3,151.95	N/D
Research Field	0	0	0	0	0	0	2	0.33	N/D
Total	21,879	13,477.2	4.6	29,634	9,044.04	4.82	28,807.00	8,105.77	N/D

Average hours of training per year, by employee category and gender Argentina - [404-1]

Gender	Employee category	Number of Company employees by category	Number of training hours by category	Average of hours
Male	Operational	2,103	11,324	5.38
Male	Administration	137	1,022	7.46
Male	Commercial	33	318	9.65
Male	Supervision	71	1,501	21.14
Male	Leadership	28	544	19.41
Male	Management	20	245	12.26
Female	Operational	111	456	4.11
Female	Administration	72	769	10.68
Female	Commercial	11	157	14.25
Female	Supervision	12	126	10.52
Female	Leadership	7	209	29.81
Female	Management	2	13	6.63

Average hours of training per year, by employee category and gender Paraguay - [404-1]

Category	Participants	Total time spent, in hours	Average time spent
Leadership	2,422	3,536.75	1,46
Operational	10,454	11,044.40	1,06
Mixed	3,628	4,256.33	1,17
Total	16,504	18,837.48	1,14
Gender	Participants	Total time spent, in hours	Average time spent
Male	12,177	12,849	1,06
Female	4,327	5,989	1,38
Total	16,504	18,837.48	1,14

Average hours of training per year, by employee category and gender *Colombia - [404-1]

Employee Category	Number of participants Male	Average of training hours Male	Number of participants Female	Average of training hours - Female
Ambiental	688	0.03	18	0.03
Quality	1,725	0.04	85	0.89
Human resources	96	0.16	14	1.07
Health and occupational safety	852	0.07	23	2.74

Average hours of training per year, by employee category and gender *Uruguay - [404-1]

Average hours of training	
Male	11.34
Female	10.27

*For Uruguay and Colombia, there is no information classified by employee category

Energy consumption, by unit (GJ) *Brazil - [302-1]

Unit	Consumption	Total
Araguaína	62,833.24 GJ	568,751 GJ
Barretos	83,180.31 GJ	
Janaúba	38,108.37 GJ	
José Bonifácio	70,175.90 GJ	
Mirassol D'Oeste	62,225.43 GJ	
Palmeiras de Goiás	129,449.52 GJ	
Paranatinga	54,212.27 GJ	
Rolim de Moura	68,566.40 GJ	

Pais	Unit	Consumption
Argentina	Rosário	207,639.36
	Pontevedra	30,977.59
	Venado Tuerto	-
	Pilar	27,643.67
Paraguay	Asunción Planta 2	61,918.33
	Asunción Planta 8	45,364.73
	San Antonio	47,809.13
	Belén	74,851.11
Uruguay	Melo	44,740.93
	Carrasco	45,527.28
	Canelones	34,317.38
Colombia	Ciénaga De Oro	44,969.88
Total		665,759.40

Water withdrawal, by source and unit *Brazil - [303-3]

Unit	Surface water (m ³ /year.2019)	Groundwater (m ³ /year.2019)	Municipal supply (m ³ /year.2019)	Total	Area of hydric stress
Brazil	3,209,372.33	1,903,091.96	0	5,112,464.29	
Araguaína	369,452.25	123,150.75	0	492,603.00	No
Barretos	576,785.72	50,155.28	0	626,941.00	Yes
Janaúba	140,067.57	238,493.43	0	378,561.00	No
José Bonifácio	0	600,758.45	0	600,758.45	No
Mirassol D'Oeste	556,543.00	0	0	556,543.00	Yes
Palmeiras de Goiás	1,278,008.61	0	0	1,278,008.61	No
Paranatinga	547,349.43	0	0	547,349.43	No
Rolim de Moura	631,699.80	0	0	631,699.80	No

Country	Unit	Surface water (m ³ /year.2019)	Groundwater (m ³ /year.2019)	Municipal supply (m ³ /year.2019)	Total (m ³) Unit	Total (m ³) Country
Argentina	Planta Vgg	4,383,817	0	0	4,383,817	4,526,809
	Planta Pontevedra	0	120,000	0	120,000	
	Planta Venado Tuerto	0	0	0	0	
	Planta Pilar	0	22,992	0	22,992	
Paraguay	Frigomerc - P 2	0	323,672	32,630	356,302	1,207,104
	Mussa - P 8	0	328,696	97,383	426,079	
	San Antonio - P 3	0	424,723	0	424,723	
	Belén - P 23	379,652	0	0	379,652	
Uruguay	Pul	539,860	0	0	539,860	1,432,161
	Carrasco	525,433	0	304	525,737	
	Canelones*	366,564	0	0	366,564	
Colombia	Red Cárnica	0	4,148	273,996	278,144	278,144
Total		6,195,325.69	1,224,230.54	404,313.00	7,444,218	

Water consumption, by source and unit *Brazil - [303-5]

Unit	Surface water (m ³ /year.2019)	Groundwater (m ³ /year.2019)	Municipal supply (m ³ /year.2019)	Total	Area of hydric stress
Brazil	3,209,372.33	1,903,091.96	0	5,112,464.29	
Araguaína	369,452.25	123,150.75	0	492,603.00	No
Barretos	576,785.72	50,155.28	0	626,941.00	Yes
Janaúba	140,067.57	238,493.43	0	378,561.00	No
José Bonifácio	0	600,758.45	0	600,758.45	No
Mirassol D'Oeste	556,543.00	0	0	556,543.00	Yes
Palmeiras de Goiás	1,278,008.61	0	0	1,278,008.61	No
Paranatinga	547,349.43	0	0	547,349.43	No
Rolim de Moura	631,699.80	0	0	631,699.80	No

Water consumption, by source and unit *Argentina - [303-5]

Argentina					
Unit	Surface water (m ³ /year.2019)	Groundwater (m ³ /year.2019)	Municipal supply (m ³ /year.2019)	Total	Area of hydric stress
Rosário	4,383,817.00	-	-	4,383,817.00	N/D
Pontevedra	-	120,000.00	-	120,000.00	N/D
Venado Tuerto	-	-	-	-	N/D
Pilar	-	22,992.00	-	22,992.00	N/D

303-5 Water consumption, by source and unit *Colombia

Unit	Surface water (m ³ /year.2019)	Groundwater (m ³ /year.2019)	Municipal supply (m ³ /year.2019)	Total	Area of hydric stress
Ciénaga de Oro	-	4,148.00	273,996.00	278,144.00	N/D

303-5 Water consumption, by source and unit *Paraguay

Unit	Surface water (m ³ /year.2019)	Groundwater (m ³ /year.2019)	Municipal supply (m ³ /year.2019)	Total	Area of hydric stress
Asunción - Planta 2	-	323,672.00	32,630.00	356,302.00	N/D
Asunción - Planta 8	-	328,696.00	97,383.00	426,079.00	N/D
San Antonio	-	424,722.54	-	424,722.54	N/D
Belén	379,651.69	-	-	379,651.69	N/D

303-5 Water consumption, by source and unit *Uruguay

Unit	Surface water (m ³ /year.2019)	Groundwater (m ³ /year.2019)	Municipal supply (m ³ /year.2019)	Total	Area of hydric stress
Pul	539,860.00	-	-	539,860.00	N/D
Carrasco	525,433.00	-	304.00	525,737.00	N/D
Canelones	366,564.00	-	-	366,564.00	N/D

Direct GHG emissions - Scope 1 *Company's total - [305-1]			
Family	Gas	GWP	Scope 1
CH4	CH4	25	133,738.50
CO2	CO2	1	52,793.09
HFC	HFC-32	675	152.35
	HFC-125	3,500	789.98
	HFC-134a	1,430	22.82
N2O	N2O	298	5,400.36
Totais			192,897.10

*Scope 1: Direct emissions. GWP = Global Warming Potential. Values given in tCO2e.

Direct GHG emissions - Scope 1 (tCO2e) *Brazil - [305-1]			
Family	Gas	GWP	Scope 1
CH4	CH4	25	96,670.14
CO2	CO2	1	1,308.96
HFC	HFC-32	675	68.62
	HFC-125	3,500	355.80
	HFC-134a	1,430	1.37
N2O	N2O	298	3,619.62
Totais			102,024.52

*Scope 1: Direct emissions. GWP = Global Warming Potential. Values given in tCO2e.

Direct GHG emissions - Scope 1 (tCO2e) *Argentina, Colombia, Paraguay and Uruguay - [305-1]			
Family	Gas	GWP	Scope 1
CH4	CH4	25	37,068.36
CO2	CO2	1	51,484.12
HFC	HFC-32	675	83.73
	HFC-125	3,500	83.73
	HFC-134a	1,430	21.45
N2O	N2O	298	1,780.73
Totais			90,872.57

*Scope 1: Direct emissions. GWP = Global Warming Potential. Values given in tCO2e.

Direct GHG emissions - Scope 1 (tCO2e) - [305-1]		
Gas	Country	Scope 1
Renewable CO2	Brazil	120,284.11
	Argentina, Colombia, Paraguay and Uruguay	84,516.75
	Totais	204,800.86

*Scope 1: Direct emissions

Energy indirect GHG emissions - Scope 2 (tCO2e)*Company's total - [305-2]			
Family	Gas	GWP	Scope 2
CO2	CO2	1	17,292.05
Totais			17,292.05

*Scope 2: Energy indirect GHG emissions by energy consumption. GWP = Global Warming Potential. Values given in tCO2e

Energy indirect GHG emissions - Scope 2 (tCO2e)*Brazil - [305-2]			
Family	Gas	GWP	Scope 2
CO2	CO2	1	13,864.85
Totais			13,864.85

*Scope 2: Energy indirect GHG emissions by energy consumption. GWP = Global Warming Potential. Values given in tCO2e

Energy indirect GHG emissions - Scope 2 (tCO2e)* Argentina, Colombia, Paraguay and Uruguay - [305-2]			
Family	Gas	GWP	Scope 2
CO2	CO2	1	3,427.21
Totais			3,427.21

*Scope 2: Energy indirect GHG emissions by energy consumption. GWP = Global Warming Potential. Values given in tCO2e

Total amount of waste, by type and disposal method *Brazil - [306-2]

Disposal method	Hazardous waste				Waste type
	Weight (kg)		Weight (t)		
	2016	2017	2018	2019	
Recycling					Non-applicable
Compost					Non-applicable
Recovering, including energy recovery	N/D	33,106	0.02165 (t)	0.026 (ton)	Batteries, electronic waste, light bulbs, vegetable oils and other used oils.
Incineration (burned material)	N/D	4,384	0.53 (t)	0.985 (t)	Waste from health services, used personal protective equipment, cloth and objects saturated with chemical or oils and grease.
Landfill	N/D	410	155.0 (t)	0.0389 (t)	Containers from toxic chemicals.
Others (as specified by the organization)	N/D	N/D	N/D	N/D	N/D

Disposal method	Non-hazardous waste				Waste type
	Weight (t)		Weight (t)		
	2016	2017	2018	2019	
Recycling		32,161.997	2,810.00 (t)	2,984.00 (t)	Paper and cardboard, clear plastic, mixed plastics, containers and drums, raffia bags, ferrous metals, non-ferrous metals, pallets and grease waste.
Compost		48,025	0.02586 (t)	43,023 (t)	Ruminal waste and organic waste from the cafeteria
Recovering, including energy recovery		38,150	0.052 (t)	477 (t)	Tallow acid
Incineration (burned material)		Não Aplicável			Non-applicable
Landfill		2,864.218	2,698.00	2,139.15 (t)	General waste
Others (as specified by the organization)	N/D	393,820	0.104 (t)	7,352.92 (t)	Sludge from tricanter

Total amount of waste, by type and disposal method (kg) *Argentina, Colombia, Paraguay and Uruguay - [306-2]

Disposal method	Hazardous waste		Waste type
	Weight (t)		
	2018	2019	
Recycling	UY: 0.00343 (t) ARG: 10.86 (t)		Non-applicable
Compost	N/D		Non-applicable
Recovering, including energy recovery	N/D		Batteries, electronic waste, light bulbs, vegetable oils and other used oils.
Incineration (burned material)	COL: 2.21 (t)		Waste from health services, used personal protective equipment, cloth and objects saturated with chemical or oils and grease.
Landfill	COL: 1.83 (t)		Containers from toxic chemicals.
Others (as specified by the organization)	N/D		N/D

Disposal method	Non-hazardous waste		Waste type
	Weight (t)		
	2018	2019	
Recycling	PY: 0.138089 (t) UY: 0.287 (t) ARG: 49.77 (t) COL: 39.17 (t)		Paper and cardboard, clear plastic, mixed plastics, containers and drums, raffia bags, ferrous metals, non-ferrous metals, pallets and grease waste.
Compost	PY: 7.57 (t) UY: 11.011 (t) ARG: 11.28 (t)		Ruminal waste and organic waste from the cafeteria
Recovering, including energy recovery	PY: 0.217 (t) UY: 0 ARG: 0.05 (t)		Tallow acid
Incineration (burned material)	PY: 0.117 (t) UY: 67 (t) ARG: 4.8 (t)		Non-applicable
Landfill	PY: 0.122 (t) UY: 0.249 (t) ARG: 2,555.39 (t) ARG: 461.9 (t)		General waste
Others (as specified by the organization)	N/D		Sludge from tricanter

ARG: Argentina, PY: Paraguay, COL: Colombia, N/D: Not declared.

**Total amount of waste, by type and disposal method (kg)
*Argentina, Colombia, Paraguay and Uruguay - [306-2]**

Country	Common waste	Hazardous waste	Recyclable waste			
			Paper	Plastic	Metals	Total
Argentina	1,842,151.00	811,475.75	1,135,180.00	58,162.00	-	3,846,968.75
Paraguay	11,320,00	16,578,951.88	127,282.00	620,278.00	-	17,337,831.88
Uruguay	172,047.00	2,000.00	37,460.00	33,259.00	57,602.00	302,368.00
Colombia	561,820.25	1,428,617.20	39,871.00	4,064.00	14,200.00	2,048,572.45
Total	2,587,338.25	18,821,044.83	1,339,793.00	715,763.00	71,802.00	23,535,741.08
				2,127,358.0		

*Common wastes are collected by authorized companies in each location and bound for landfills.

*Hazardous wastes are collected in each unit by licenced companies and bound accordingly to their classifications.

*Recyclable wastes are collected by cooperatives specialized on material recovery

Percentage of volume purchased subject to verification in accordance to internationally recognized responsible production standards, broken down by standards - [FP2]

Country	2019		2018	
	Type of purchased food product / responsible production regulation	Percentage of volume purchased in accordance to internationally recognized standards	Type of food product purchased / responsible production standard	Percentage of volume purchased in accordance to internationally recognized standards
Argentina	Cattle - Beef	100%	Cattle - Beef	100%
Brazil	Cattle - Beef	100%	Cattle - Beef	100%
Colombia	Cattle - Beef	100%	Cattle - Beef	100%
Paraguay	Cattle - Beef	100%	Cattle - Beef	100%
Uruguay	Cattle - Organic Beef	100%	Cattle - Organic Beef	9.09%

*All units own internationally recognized certifications like BRC and HACCP

Percentage of volume of production in operational units accredited by independent organization in compliance with regulations internationally renowned for management systems of food safety - [FP 5]

Production in operational units/Country	Volume of production of accredited units (kg)	Percentage of volume of production in accredited units
Araguaína/TO - Brazil	40,327,674.00	100%
Barretos/SP - Brazil	55,082,358.00	
Janaúba/MG - Brazil	31,665,564.00	
José Bonifácio/SP - Brazil	49,460,685.00	
Mirassol d'Oeste/MT - Brazil	45,303,194.00	
Palmeiras de Goiás/GO - Brazil	101,783,595.00	
Paranatinga/MT - Brazil	32,602,308.00	
Rolim de Moura/RO - Brazil	56,161,287.00	
Total	412,386,665.00	

Percentage of volume of production - [FP 5]

Country	Total volume of production (Kg)	Volume of production of accredited units (Kg)	Percentage of volume of production in accredited units
Colombia	31,190,146.89	31,190,146.89	100%
Argentina	134,883,615.00	127,927,112.00	94.80%
Paraguay	144,888,000	144,888,000	100%
Uruguay	88,918,000	88,918,000	100%

Percentage and total of animals raised and/or processed, by type and form of raising *Brazil - [FP 9]

Form of raising	2019		2018	
	Number of animals	Percentage of animals raised and/or processed by type and form of raising	Number of animals	Percentage of animals raised and/or processed by type and form of raising
Confinement in pasture	222.682	12,56	305.564,00	10,52
Confinement	894.395	50,44	1.528.904,00	52,66
Pasture	377.289	21,28	605.807,00	20,87
Semi-confinement	278.728	15,72	463.095,00	15,95
Total	1.773.094	100,00	2.903.370,00	100

Argentina

Form of raising	Number of animals	Percentage of animals raised and/or processed by type and form of raising
Confinement	146,644	28%
Pasture	184,622	36%
Semi-confinement	186,291	36%
TOTAL	517,557	100%

Colombia

Form of raising	Number of animals	Percentage of animals raised and/or processed by type and form of raising
Confinement	0	0%
Pasture	158,916	100%
Semi-confinement	0	0%
TOTAL	158.916	100%

Paraguay

Form of raising	Number of animals	Percentage of animals raised and/or processed by type and form of raising
Confinement	106,409	15%
Pasture	602,981	85%
Semi-confinement	0	0
TOTAL	709,390	100%

Uruguay

Form of raising	Number of animals	Percentage of animals raised and/or processed by type and form of raising
Confinement	38,736	10%
Pasture	348,622	90%
Semi-confinement	0	0%
TOTAL	387,358	100

Percentage and total of animals bred and/or processed, by species and type of breeding, and form of raising *Brazil - [FP 11]

2019				2018			
Form of raising	Type of animals bred and/or processed	Number of animals	Percentage of animals raised and/or processed by type and form of raising	Type of animals bred and/or processed	Number of animals	Percentage of animals raised and/or processed by type and form of raising	Percentage of total animals in 2018 compared to that reported in the previous year
Confinement in pasture	Young female, male, castrated male, whole male and male	222,682	12.56	Young female, male, castrated male, whole male and male	305,564	10.5	47.02
Confinement	Female, castrated male, whole male, calf, bull, cow	894,395	50.44	Female, castrated male, whole male, male, calf, bull, cow	1,528,904	52.7	42.92
Pasture	Young female, male, castrated male, whole male, male, bull, cow	377,289	21.28	Female, young male, castrated male, whole male, male, bull, cow	605,807	20.9	70.22
Semi-confinement	Female, castrated male, whole male, male, bull, cow	278,728	15.72	Female, castrated male, whole male, male, bull, cow	463,095	16	64.67
TOTAL		1,773,094	100.00		2,903,370	100	52.51

**This may include, among others, raising systems for birds, beef cattle, dairy cattle, water animals et cetera

Percentage and total of animals bred and/or processed, by species and type of breeding, and form of raising *Argentina - [FP 11]

2019		
Form of raising	Number of animals - cattle	Percentage of animals raised and/or processed by type and form of raising
Confinement	146,644	28.00%
Pasture	184,622	36.00%
Semi-confinement	186,291	36.00%
TOTAL	517,557	100.00%

Percentage and total of animals bred and/or processed, by species and type of breeding, and form of raising *Paraguay - [FP 11]

2019		
Form of raising	Number of animals - cattle	Percentage of animals raised and/or processed by type and form of raising
Confinement	106,409	15.00%
Pasture	602,981	85.00%
Semi-confinement	-	0.00%
TOTAL	709,390	100.00%

Percentage and total of animals bred and/or processed, by species and type of breeding, and form of raising *Colombia - [FP 11]

2019		
Form of raising	Number of animals - cattle	Percentage of animals raised and/or processed by type and form of raising
Confinement	-	0.00%
Pasture	158,916	100.00%
Semi-confinement	-	0.00%
TOTAL	158,916	100.00%

Percentage and total of animals bred and/or processed, by species - [FP 11]

2019		
Form of raising	Number of animals - cattle	Percentage of animals raised and/or processed by type and form of raising
Confinement	38,736	10.00%
Pasture	348,622	90.00%
Semi-confinement	-	0.00%
TOTAL	387,358	100.00%