

Table S1 – Volume supplied, concentration of properties and deforestation across biomes in high-volume suppliers, their suppliers, and buyers (properties overlapping different biomes were included as others).

High-volume suppliers				
Characteristic	Amazon	Cerrado	Pantanal	Other
Volume to SIF (heads)	6,227,846	4,294,075	59,137	653,702
Volume to Non-SIF (heads)	342,580	140,588	8013	29,356
Volume to other properties (heads)	5,631,047	3,251,901	37,472	919,989
N of properties	686	331	52	57
Area (ha)	2,952,768.8	1,465,594.6	9,656.3	643,606.6
Deforestation (ha)	6864.1	19,854.5	No data on deforestation	1294

Table S2 – Volume supplied to SIF, non-SIF and to other properties by high-volume suppliers in different systems of cattle production and by properties not matched to property boundaries for which the classification of systems was not possible.

Transaction	System					Not matched
	Extensive	ICLS	Confinement	Mixed	Not cattle productive	
Supplied SIF ⁽¹⁾	42.3%	12.5%	9.2%	6.4%	1%	28.4%
Mean supplied SIF ⁽²⁾	8.62 ± 11.6	12.2 ± 18.5	16.6 ± 14.4	23.4 ± 25.4	8.9 ± 6.2	12.9 ± 23.6
Supplied Non-SIF ⁽¹⁾	53.2%	8.6%	10.3%	4.3%	<1%	22%
Mean supplied Non-SIF ⁽²⁾	0.47 ± 2.2	0.36 ± 1.12	0.79 ± 2.45	0.67 ± 1.3	0.53 ± 0.83	0.43 ± 1.4
Supply to other properties ⁽¹⁾	54.4%	10.4%	6.4	4%	<1%	23.8%
Mean supplied to other properties ⁽²⁾	9.2 ± 15.3	8.4 ± 12.3	9.6 ± 12.45	11.8 ± 27.9	5.8 ± 6.4	9 ± 14.4

(1) Percent of volume relative to the total number of heads supplied by 1,483 properties in each type of transaction

(2) Means per property expressed in 1000 heads.

Table S3 – Land-use characteristics and volume supplied to SIF, non-SIF and to other properties and volume purchased by high-volume suppliers in different classes of size (i.e. small, medium and large high-volume suppliers)

Characterization	Class of Property Size		
	Small	Medium	Large
% Supplied SIF ⁽¹⁾	9.63%	14.5%	47.4%
Mean supplied SIF ⁽²⁾	9591.85 ± 16,158.91	8801.9 ± 14,264.6	11,180.86 ± 13,664.94
% Supplied Non-SIF ⁽¹⁾	22.4%	19%	36.5%
Mean supplied Non-SIF ⁽²⁾	973.85 ± 4465.52	498,40 ± 1451.85	373.6 ± 1119.7
% Supplied to other properties ⁽¹⁾	11.5%	12.3%	52.218%
Mean supplied to other properties ⁽²⁾	9523.98 ± 11,523.87	6173.5 ± 9,982.7	10,190.1 ± 17,499.8
N of suppliers	149	222	614
N of buyers	151	246	641
Pasture (ha/property)	126.62 ± 92	559.6 ± 297.3	2982.4 ± 3907.4
Degraded pasture (ha/property)	26.47 ± 37.9	91.4 ± 116.3	749.68 ± 1,420.6
Cattle outflow level (heads/ ha/ year)	37 ± 62.52	3.1 ± 4.92	0.80 ± 0.97
Rate of pasture degradation (%)	16.31 ± 15.36	13.3 ± 12.8	17.6 ± 13.4
Def Amazon (ha/property)	1.78 ± 9.81	1.71 ± 7.4	10.90 ± 84.60
Def Cerrado (ha/property)	1 ± 7.26	3.21 ± 23.2	27.13 ± 146.7
Def Suppliers Amazon (ha/property)	408.60 ± 766.50	247,27 ± 493	257.88 ± 484.6
Def Suppliers Cerrado (ha/property)	403 ± 1275.3	369,16 ± 1117.6	491.77 ± 1421.12

(1) Percent of volume relative to the total number of heads supplied by 1,483 properties in each type of transaction. Properties not matched to property boundaries supplied 28.4%, 22% and 23.8% to SIF, non-SIF, and to other properties, respectively.

(2) Means per property expressed.