

No.	Counties (states)	Biome (IBGE, 2019)	Latitude	Longitude	Land use systems	No. sites, plots treatments	Records	Occurrence	Soils
1	Morretes (PR)	Atlantic Forest	-25.47922	-48.83323	native vegetation	1	36	1,620	504
2	Teresina (PI)	Cerrado	-5.038931	-42.80412	agroforestry	1	3	135	0
3	Ibaiti (PR)	Atlantic Forest	-23.7923042	-50.653895	pasture	1	9	405	144
4	Manaus Teotônio (AM)	Amazonia	-3.107861111 -8.877638889	-59.91166667 -64.06227778	native vegetation	15	60	2,700	1,260
5	Anápolis (GO) Campinas (SP) Santo Antônio de Goiás (GO) Londrina (PR) Planaltina (PR) Ponta Grossa (PR) Sete Lagoas (MG)	Cerrado Atlantic Forest Cerrado Atlantic Forest Cerrado Atlantic Forest Cerrado	-16.32 -22.6 -16.46666 -23.195833 -15.45 -25.16 -19.45	-48.94 -46.91 -49.28333 -51.18 -47.61 -50.08 -44.17	annual crops	57	228	10,260	0
6	Londrina (PR)	Atlantic Forest	-23.331285	-51.198512	annual crops	5	36	1,620	0
7	Rio Claro (SP)	Cerrado	-22.50897	-47.613	perennial crops, native forest, pasture	3	18	810	126
8	Rio Verde (GO)	Cerrado	-17.51748	-51.39366	native vegetation, annual crops	7	62	2,790	0
9	São Jerônimo da Serra (PR) Alvorada do Sul (PR) Janiópolis (PR)	Atlantic Forest	-23.721424 -22.821491 -24.1411	-50.758206 -51.253196 -52.778851	perennial crops	18	135	6,075	1,890
10	Brasília (DF)	Cerrado	-15.952666	-47.876666	native vegetation	10	40	1,800	200
11	Manaus (AM)	Amazonia	-2.5166666	-60.016666	agrosilviculture, pasture, native forest	4	43	1,935	0
12	Santa Helena de Goiás (GO)	Cerrado	-17.71666	-50.58333	annual crops, native vegetation	5	17	765	0
13	Xanxerê (SC) Chapecó (SC)	Atlantic Forest	-26.3565 -27.1935	-52.481944 -52.65933	annual crops, native vegetation	10	60	2,700	780
14	Redenção (CE)	Caatinga	-4.248055	-38.75277	annual crops, native vegetation, agroforestry, pasture	6	60	2,700	440

15	Bituruna (PR)	Atlantic Forest	-26.1578	-51.5548	annual crops, native vegetation	9	60	2,700	0
16	Iranduba (AM) Belterra (PA) Porto Velho (RO)	Amazonia	-3.24640945 -2.78480898 -8.87661786	-60.22552 -54.99786 -64.06662	annual crops, native vegetation, pasture	18	90	4,050	810
17	Quitandinha (PR)	Atlantic Forest	-25.890771	-49.455284	annual crops, native vegetation, horticulture	4	36	1,620	540
18	Ponta Grossa (PR)	Atlantic Forest	-25.12497	-50.05125	annual crops, agrosilvopastoral, agropastoral, native vegetation, pasture, forestry plantation	7	105	4,725	1,575
19	Quixeramobim (CE)	Caatinga	-5.12002	-39.17591	native vegetation	2	30	1,350	30
20	Guarapuava (PR)	Atlantic Forest	-25.56126	-51.48983	native vegetation, annual crops	6	18	810	198
21	Campos Novos (SC) Vacaria (RS) Zortéa (SC)	Atlantic Forest	-27.49302 -28.59276 -27.43772	-51.44327 -51.03484 -51.45405	annual crops, native vegetation	12	108	4,860	0
22	Chapecó (SC)	Atlantic Forest	-27.22037	-52.82716	annual crops, native vegetation	4	32	1,440	480
23	Bocaina de Minas (MG)	Atlantic Forest	-22.19817	-44.60176	agroforestry, orchard, pasture, native vegetation	12	72	3,240	1,008
24	São Sebastião do Paraíso (MG)	Cerrado	-20.92048	-46.98456	perennial crop	2	10	450	80
25	Bananal (SP) Itaberá (SP) Itapeva (SP) Barra do Chapéu (SP) Iporanga (SP)	Atlantic Forest	-22.80722 -23.83916 -24.071944 -23.84083 -24.47777	-44.36638 -49.14444 -49.01861 -49.14444 -49.60388	native vegetation, forestry plantation	12	180	8,100	4,320
26	Capão do Leão (RS)	Pampa	-31.80152	-52.41538	fallow, annual crops	5	40	1,800	280
27	Dois Vizinhos (PR)	Atlantic Forest	-25.69397	-53.1032	native vegetation, regeneration	32	32	1,440	216
28	Santa Maria (RS)	Pampa	-29.69305	-53.79204	forestry plantation, fallow, native grass pasture	5	25	1,125	200
29	Santa Maria de Jetibá (ES) Domingos Martins (ES) Marechal Floriano (ES)	Atlantic Forest	-20.07416 -20.50888 -20.64472	-40.78611 -41.06750 -44.04361	perennial crop	12	108	4,860	1,512

30	Nova Ipixuna (PA)	Amazonia	-4.80596	-49.36581	native forest, pasture	18	90	4,050	1,800
31	Sebastião Leal (PI)	Cerrado	-7.65388	-44.04361	annual crops, native vegetation	12	60	2,700	180
	Uruçuí (PI)		-7.23527	-44.63583					
	Bom Jesus (PI)		-9.17638	-44.84333					
	Baixa Grande do Ribeira (PI)		-7.80277	-45.01666					
32	Campo Belo do Sul (SC)	Atlantic Forest	-27.88203	-50.65555	native vegetation, forestry plantation, pasture, agropastoral, annual crops	120	1080	48,600	20,520
	Santa Teresinha do Salto (SC)		-27.79965	-50.59563					
	Otacílio Costa (SC)		-27.59435	-49.84868					
	Xanxerê (SC)		-26.8337	-52.453					
	São Miguel do Oeste (SC)		-26.73815	-53.53495					
	Chapecó (SC)		-27.0343	-52.6965					
	Joinville (SC)		-26.21996	-48.85539					
	Blumenau (SC)		-26.77835	-49.09824					
	Timbó (SC)		-26.79738	-49.26532					
	Orleans (SC)		-28.37729	-49.26040					
Siderópolis(SC)	-28.58239	-49.40531							
Lauro Muller (SC)	-28.35479	-49.43559							
33	Melgaço (PA)	Amazonia	-1.73762	-51.44566	native vegetation	40	240	10,800	2,640
34	Nova Brasilândia d'Oeste (RO)	Amazonia	-11.72568	-61.77807	orchard	5	10	450	110
35	Itinga (MA)	Amazonia	-3.91765	-46.76388	agroforestry, native vegetation	85	439	19,755	0
	Alcântara (MA)		-2.41761	-44.42221					
	São Luís (MA)		-2.58750	-44.21194					
	Tomé-Açu (PA)		-2.64387	-44.13823					
	São José de Ribamar (MA)		-2.86122	-44.13344					
	Rosário (MA)		-3.68787	-46.75965					
	Centro Novo (MA)								
36	Macapá (AP)	Amazonia	0.38	-51.03	annual crops	1	16	720	224
37	Macapá (AP)	Amazonia	0.96	-50.96	annual crops	6	18	810	180
38	Macapá (AP)	Amazonia	-0.051	-51.12	native vegetation	22	22	990	286
39	Laranjal do Jari (AP)	Amazonia	-0.5641	-52.3065	native vegetation	22	22	990	198

40	Tomé Açu (PA)	Amazonia	-2.40379	-48.24761	orchard, native vegetation, pasture	3	27	1,215	0
41	Jaboti (PR)	Atlantic Forest	-23.70289	-50.12447	perennial crops	4	40	1,800	320
42	Jardim Olinda (PR)	Atlantic Forest	-22.57002	-52.05663	agrosilvopastoral	8	40	1,800	520
43	São Gabriel (RS)	Pampa	-30.43048	-54.36829	native vegetation, forestry plantation	3	21	945	294
44	Correntina (BA)	Cerrado	-13.78361	-46.00361	annual crops, pasture, native vegetation	6	30	1,350	360
45	Planaltina (DF)	Cerrado	-15.58333	-47.86666	annual crops, pasture, native vegetation	13	36	1,620	252
46	Pentecoste (CE)	Caatinga	-3.81880	-39.34003	native vegetation	2	56	2,520	672
47	Manduri (SP) Brotas (SP) Caiuá (SP) Rancharia (SP) Naviraí (MS) Ipameri (GO)	Cerrado	-22.28333 -23.00000 -23.60730 -22.14872 -22.99402 -17.65750	-48.11666 -49.31666 -49.86608 -49.81425 -54.38022 -48.20611	native vegetation, pasture, perennial crops, agropastoral, agrosilvopastoral	25	180	8,100	1,800
48	Brasília (DF)	Cerrado	-15.61222	-47.75525	pasture	12	36	1,620	144
49	Nova Friburgo (RJ)	Atlantic Forest	-22.28750	-42.66016	annual crops, fallow, horticulture	5	25	1,125	250
50	Humaitá (AM)	Amazonia	-7.57901	-63.14831	native vegetation	3	26	1,170	0
51	São Gabriel da Cachoeira (AM)	Amazonia	0.21166	-66.76333	native vegetation	5	25	1,125	350
52	Chapecó (SC) Pinhalzinho (SC) São Miguel do Oeste (SC)	Atlantic Forest	-27.07536 -26.87325 -26.73905	-52.68363 -52.95758 -53.54225	native vegetation, annual crops, pasture, fallow, forestry plantation	27	174	7,830	1,740
53	Maracajú (MS)	Cerrado	-21.61444	-55.16833	agropastoral, native vegetation	7	48	2,160	720
54	Esperantina (PI)	Cerrado	-3.90194	-42.23388	agroforestry, native vegetation, annual crops	10	50	2,250	0
55	Manaus (AM)	Amazonia	-2.80305	-60.15555	native vegetation	10	50	2,250	630
56	Pirapemas (MA)	Cerrado	-3.73083	-45.39861	native vegetation	12	192	8,640	1,536
57	Lauro Müller (SC)	Atlantic Forest	-28.36616	-49.45860	forestry plantation, pasture, native vegetation, annual crop	18	78	3,510	702
58	Campinas (SP)	Atlantic Forest	-22.90555	-47.09277	annual crops, fallow	8	64	2,880	640

59	Seropédica (RJ)	Atlantic Forest	-22.75833	-43.68611	orchard	9	9	405	45
60	Belém (PA)	Amazonia	-4.25	-8.75	native vegetation	4	40	1,800	1,120
61	São Paulo (SP)	Atlantic Forest	-23.65090	-46.62252	native vegetation	6	54	2,430	756
62	Manaus (AM)	Amazonia	-2.98403	-60.20130	orchard, native vegetation	10	30	1,350	300
63	Dourados (MS)	Atlantic Forest	-22.27753	-54.81290	annual crops, agropastoral, pasture, native vegetation	8	40	1,800	0
64	Bom Jardim (RJ)	Atlantic Forest	-22.16722	-42.28722	annual crops, fallow, native forest	30	186	8,375	2,232
65	Valença (RJ)	Atlantic Forest	-22.37277	-43.78972	pasture, native forest	6	79	3,555	474
66	Paraty (RJ)	Atlantic Forest	-23.16722	-44.73694	perennial crops, pasture, annual crops, native vegetation	12	111	4,995	0
67	Itaboraí (RJ)	Atlantic Forest	-22.75544	-42.85694	native vegetation, pasture	8	120	5,400	1,560
Tot al	<b>55</b>					<b>834</b>	<b>1,762</b>	<b>230,445</b>	<b>55,882</b>