

Table S1: Soil Carbon Stocks Data in Cerrado biome.

Reference	Land use/ cover	Land	Carbon stocks by soil deep					Longitude W	Latitude S
			0-20	0-30	0-40	0-60	0-100	0-200	
26	Tillage		33.7	45.9	54.8				50° 35.86' W 17° 50.61' S
26	Tillage		34.5	45.4	54.4				50° 35.86' W 17° 50.61' S
26	Tillage		34.2	46.1	54.7				50° 35.86' W 17° 50.61' S
26	No-tillage		41.8	55.5	65.7				50° 35.86' W 17° 50.61' S
27	No-tillage		41.6		73.5	99.1			51° 59.00' W 16° 26.00' S
27	No-tillage		47.5		84.3	116.1			51° 59.00' W 16° 26.00' S
27	Forestland		47.4		84.2	111.7			51° 59.00' W 16° 26.00' S
28	Forestland			51		63.4	82.5		Supplementary 2
28	Shrubland			40.1		51.4	70.3		Supplementary 2
28	Rainfed crops			32.8		42.6	57.4		Supplementary 2
28	Irrigated crops			45.5		61.2	78.1		Supplementary 2
28	Pasture			28		36.8	51.7		Supplementary 2
29	Forestland		109.9	149.7	189.7	266.6	414.4		46° 42.03' W 17° 36.15' S
29	Pasture		112.2	162.5	212.8	303.7	466.1		46° 42.03' W 17° 36.15' S
29	Planted Forest		95.6	135.4	175	250	393.7		46° 42.03' W 17° 36.15' S
29	Agroforest		97.8	140.8	183.8	263	407.8		46° 42.03' W 17° 36.15' S
29	Planted Forest		100.9	142.1	183.3	262.4	414		46° 42.03' W 17° 36.15' S
29	Agroforest		98.2	144.1	208	301	453		46° 42.03' W 17° 36.15' S
30	Pasture			30.9			62.3		52° 37,98' W 17° 46,73' S
30	Pasture			23.5			53		52° 37,98' W 17° 46,73' S
30	Shrubland			25.7			54.6		52° 37,98' W 17° 46,73' S
30	Pasture			27.2			62		50° 04.68' W 21° 25.25' S
30	Pasture			26.5			60.5		50° 04.68' W 21° 25.25' S
30	Shrubland			21.7			55.6		50° 04.68' W 21° 25.25' S
30	Pasture			48.7			95.5		54° 47.20' W 22° 04.44' S
30	Pasture			40			84.8		54° 47.20' W 22° 04.44' S
30	Shrubland			43.4			83.5		54° 47.20' W 22° 04.44' S
30	Pasture			65.9			164.7		45° 41.90' W 19° 48.30' S
30	Pasture			61.9			138.1		45° 41.90' W 19° 48.30' S
30	Shrubland			58.5			117.1		45° 41.90' W 19° 48.30' S
31	Agroforest		40.3		54.7	65.3			44° 38.93' W 5° 15.48' S
31	Perennial crops		28		43	53.9			44° 38.93' W 5° 15.48' S
31	Pasture		27.1		39	49			44° 38.93' W 5° 15.48' S
31	Shrubland		55.6		81.3	99.9			44° 38.93' W 5° 15.48' S
32	Wet Grassland		75.96	113.31	148.83	211.38			44° 00.00' W 15° 40.00' S
32	Wet Grassland		95.92	143.51	190.15	278.08			44° 00.00' W 15° 40.00' S
33	Shrubland		78.97		119.85	154.37	193.43		43° 50.00' W 17° 20.00' S
33	Planted Forest		94.53		160.25	216.46	293.2		43° 50.00' W 17° 20.00' S
33	Planted Forest		102.52		174.85	239.99	325.31		43° 50.00' W 17° 20.00' S
33	Planted Forest		83.45		146.96	203.99	284.11		43° 50.00' W 17° 20.00' S
33	Planted Forest		81.58		136.72	186.95	267.18		43° 50.00' W 17° 20.00' S
34	Forestland		56.96		91.79	116.74	159.9	254.31	* *
35	Shrubland		59.67					271.23	47° 59.00' W 15° 56.00' S
36	Shrubland		53				148	230	47° 48.00' W 15° 53.00' S
36	Shrubland		46				143	231	47° 48.00' W 15° 46.00' S
36	Grasslands		67				209	297	47° 48.00' W 15° 47.00' S
36	Grasslands		72				198	281	47° 48.00' W 15° 52.00' S
36	Forestland		62				165	248	47° 48.00' W 15° 42.00' S
36	Grasslands		45				174	277	47° 48.00' W 15° 45.00' S
36	Pasture		54				161	252	47° 48.00' W 15° 54.00' S
37	Shrubland		39.77		69.89		133.59		47° 59.00' W 15° 56.00' S
37	Planted Forest		44.87		78.37		148.18		47° 59.00' W 15° 56.00' S
37	Pasture		42.18		74.77		150.22		47° 59.00' W 15° 56.00' S
37	Tillage		36.51		65.27		125.28		47° 59.00' W 15° 56.00' S
37	Tillage		37.34		66.59		128.81		47° 59.00' W 15° 56.00' S
37	No-tillage		47.35		81.14		154.97		47° 59.00' W 15° 56.00' S
38	Shrubland						200		47° 56.11' W 15° 56.68' S
39	Planted Forest					65.75			48° 15.73' W 18°50.00' S
39	Shrubland					74.06			48° 15.73' W 18°50.00' S
39	Planted Forest					59.84			46° 10.73'W 17°42.00' S
39	Shrubland					56.83			46° 10.73'W 17°42.00' S
39	Planted Forest					41.64			46° 10.73'W 17°42.00' S
39	Shrubland					50.43			46° 10.73'W 17°42.00' S
40	Grasslands		31.1		54.7		99.7		47° 45.00' W 15° 38.5' S

40	Pasture	37.3		65.5		113	47° 45.00' W	15° 38.5' S
40	Pasture	30.8		55.9		97.1	47° 45.00' W	15° 38.5' S
40	Pasture	32.4		58		110.3	47° 45.00' W	15° 38.5' S
40	Pasture	36.1		59.9		105.5	47° 45.00' W	15° 38.5' S
40	Pasture	37.3		65.8		113	47° 45.00' W	15° 38.5' S
40	Pasture	39.9		67.9		113	47° 45.00' W	15° 38.5' S
41	Wet Grassland	123.766	178.227	208.86	241		47° 54.33' W	15° 55.63' S
42	Tillage			86.5			47° 44'.00 W	15° 39.50' S
42	No-tillage			84.5			47° 45.00' W	15° 39.50' S
43	Forestland	33.05		45.64	61.52	90.26	50° 39.65' W	19° 31.65' S
44	Tillage	16.2		30.5			45° 42.63' W	12 05.60' S
44	Tillage	16.5		30.7			45° 42.63' W	12 05.61' S
44	Tillage	16.1		29.6			45° 42.63' W	12 05.63' S
44	No-tillage	20.7		37.5			45° 42.63' W	12 05.65' S
44	No-tillage	22		38.8			45° 42.63' W	12 05.66' S
44	No-tillage	22.1		40			45° 42.63' W	12 05.68' S
44	Shrubland	16.2		28.9			45° 42.63' W	12 05.70' S
45	Tillage		56.7		97.2	140.2	47° 42. 00'W	15° 35.50' S
45	No-tillage		60.7		101.6	145.8	47° 42. 00' W	15° 35.50' S
45	Tillage		50.1		85.7	125.8	47° 42. 00'W	15° 35.50' S
45	No-tillage		55.7		92.9	135.8	47° 42. 00' W	15° 35.50' S
45	Shrubland		70.5		117	164.3	47° 42. 00' W	15° 35.50' S
46	Forestland	112.77		156.31			43° 17.48' W	15° 45.00' S
46	No-tillage	87.11		124.28			43° 17.48' W	15° 45.00' S
46	Tillage	84.86		116.33			43° 17.48' W	15° 45.00' S
47	Tillage	53.3					54° 39.00' W	19 25.00' S
47	No-tillage	56.07					54° 39.00' W	19 25.00' S
47	No-tillage	56.49					54° 39.00' W	19 25.00' S
47	No-tillage	55.86					54° 39.00' W	19 25.00' S
47	No-tillage	58.96					54° 39.00' W	19 25.00' S
48	Shrubland	25.4					55° 41.58' W	20 25.96' S
48	Shrubland	31.96					55°41.15'W	20°25.20" S
48	Pasture	24.38					55° 41.00' W	20 25.96' S
48	Pasture	25.01					55°41.15' W	20°25.20' S
49	No-Tillage		85.9			186.3	47° 42.00' W	15° 35.50' S
49	No-Tillage		81.3			177.1	47° 42.00' W	15° 35.50' S
49	Tillage		71.6			163.4	47° 42.00' W	15° 35.50' S
49	Tillage		77.5			176.4	47° 42.00' W	15° 35.50' S
49	Tillage		64.8			163.5	47° 42.00' W	15° 35.50' S
49	Tillage		69.5			159	47° 42.00' W	15° 35.50' S
49	Shrubland		96.6			203.1	47° 42.00' W	15° 35.50' S
50	Shrubland	58.75					47° 38.00' W	15° 34.50' S
50	Shrubland	47.99					47° 38.00' W	15° 34.50' S
50	Shrubland	56.46					47° 38.00' W	15° 34.50' S
50	Shrubland	59.11					47° 38.00' W	15° 34.50' S
50	Shrubland	64.89					47° 38.00' W	15° 34.50' S
50	Shrubland	60					47° 38.00' W	15° 34.50' S
50	No-tillage	56					47° 38.00' W	15° 34.50' S
50	No-tillage	57.06					47° 38.00' W	15° 34.50' S
50	No-tillage	52.5					47° 38.00' W	15° 34.50' S
50	Pasture	45.52					47° 38.00' W	15° 34.50' S
50	Pasture	53.21					47° 38.00' W	15° 34.50' S
50	Pasture	49					47° 38.00' W	15° 34.50' S
51	Shrubland	35.1		62.4			46° 42.00' W	17° 33.00'S
51	Agroforest	25		42			46° 42.00' W	17° 33.00'S
51	Agroforest	25		41.1			46° 42.00' W	17° 33.00'S
51	Agroforest	29.3		47.9			46° 42.00' W	17° 33.00'S
51	Agroforest	26.6		45.4			46° 42.00' W	17° 33.00'S
51	Pasture	30		52.2			46° 42.00' W	17° 33.00'S
51	Forestland	34.5		60			46° 42.00' W	17° 33.00'S
52	Shrubland			76.2			*	*
52	Pasture			73.2			*	*
52	Tillage			62.1			*	*
52	No-tillage			59.1			*	*
52	No-tillage			62.7			*	*
52	No-tillage			77.4			*	*
52	No-tillage			65.8			*	*
52	No-tillage			74.6			*	*
52	No-tillage			77.3			*	*
52	No-tillage			76.3			*	*
53	Shrubland	45.3	52.6				49° 18.65' W	16° 29' S
53	No-tillage	36.5	47.3				49° 18.65' W	16° 29' S
53	No-tillage	32.4	40.2				49° 18.65' W	16° 29' S

53	Tillage	41.5	53.8	49° 18.65' W	16° 29' S
53	Tillage	47.4	60.4	49° 18.65' W	16° 29' S
54	Pasture	49.1	68.28	*	*
54	Pasture	42.18	59.35	*	*
55	Agroforest		71.16	55° 38.95' W	11° 50.88' S
56	Shrubland	67		46° 59.55' W	18° 56.63' S
56	Perennial crops	61		46° 59.55' W	18° 56.63' S
57	Shrubland	35.91	50.9	47° 42.00' W	15° 35.50' S
57	Pasture	42.8	62.6	47° 42.00' W	15° 35.50' S
57	Perennial crops	39.3	53.9	47° 42.00' W	15° 35.50' S
57	Perennial crops	39.6	54.8	47° 42.00' W	15° 35.50' S
57	Perennial crops	40.18	56.3	47° 42.00' W	15° 35.50' S
57	Perennial crops	43.03	62.36	47° 42.00' W	15° 35.50' S
58	Tillage		75.3	48° 15.73' W	18° 50.00' S
58	Tillage		65.4	48° 15.73' W	18° 50.00' S
58	Tillage		73.4	48° 15.73' W	18° 50.00' S
58	Tillage		64.9	48° 15.73' W	18° 50.00' S
58	Tillage		73.4	48° 15.73' W	18° 50.00' S
58	Tillage		81.5	48° 15.73' W	18° 50.00' S
58	No-tillage		80.5	48° 15.73' W	18° 50.00' S
59	Shrubland	39.5	60.87	47° 42.00' W	15° 35.50' S
59	Pasture	35.5	52.89	47° 42.00' W	15° 35.50' S
59	Tillage	35.7	53.3	47° 42.00' W	15° 35.50' S
59	No-tillage	37.8	56.03	47° 42.00' W	15° 35.50' S
60	Shrubland	68.1		50° 55.67' W	17° 47.8' S
60	Pasture	54.9		50° 55.67' W	17° 47.8' S
61	Shrubland	37.89	61.1	49° 6.48' W	17° 43.25' S
61	Pasture	40.67	69.86	50° 6.48' W	17° 43.25' S
61	No-tillage	40.16	61.07	50° 6.48' W	17° 43.25' S
61	No-tillage	40.43	68.8	50° 6.48' W	17° 43.25' S
61	Tillage	34.06	58.7	50° 6.48' W	17° 43.25' S
61	Tillage	37.66	62.23	50° 6.48' W	17° 43.25' S
62	Shrubland	54		54° 39.00' W	23° 25.00' S
62	Tillage	54.3		54° 39.00' W	23° 25.00' S
62	No-tillage	57.3		54° 39.00' W	23° 25.00' S
62	Shrubland	35.4		47° 57.00' W	16° 15.15' S
62	Tillage	38.6		47° 57.00' W	16° 15.15' S
62	No-tillage	41		47° 57.00' W	16° 15.15' S
63	Grasslands	51.2	81.9	49° 08.00' W	16° 32.00' S
63	Pasture	45.5	74.2	49° 08.00' W	16° 32.00' S
63	Pasture	41.1	71.1	49° 08.00' W	16° 32.00' S
63	Tillage	48.6	84.4	49° 08.00' W	16° 32.00' S
63	No-tillage	49.6	82.5	49° 08.00' W	16° 32.00' S
64	Shrubland	48.77		54° 43.00' W	20° 26.00' S
64	Tillage	39.46		54° 43.00' W	20° 26.00' S
64	No-tillage	42.17		54° 43.00' W	20° 26.00' S
64	Shrubland	44.55		54° 49.00' W	22° 14.00' S
64	Tillage	41.43		54° 49.00' W	22° 14.00' S
64	No-tillage	41.24		54° 49.00' W	22° 14.00' S
65	Shrubland	54		54° 43.00' W	20° 26.00' S
65	Tillage	46.3		54° 43.00' W	20° 26.00' S
65	No-tillage	47.4		54° 43.00' W	20° 26.00' S
65	Grasslands	44.5		54° 49.00' W	22° 14.00' S
65	Tillage	44.1		54° 50.00' W	22° 15.00' S
65	No-tillage	42.6		54° 50.00' W	22° 16.00' S
65	Grasslands	68.7		55° 10.00' W	21° 37.00' S
65	No-tillage	56.6		55° 10.00' W	21° 37.00' S
66	Shrubland		76	44° 10.00' W	19° 26.00' S
66	No-tillage		72	44° 10.00' W	19° 26.00' S
66	Tillage		73	44° 10.00' W	19° 26.00' S

\*52 sample points located in the state of Goiás; 54 located in the Parnaíba River basin.