

Appendix 3a. Brazil - information used to calculate maximum C stocks (C_{max} t C ha⁻¹), C accumulation rates (I_c t C ha⁻¹ yr⁻¹), and land-use system time-averaged C stocks (LUSCta t C ha⁻¹).

Information obtained from field measurements											
Landuse	Reps	Age	Abvgrnd C stock	Standard deviation	AgeMaxC T_{max}	C accumulation rate, I_c	standard deviation				
Forest, logged	4	100.00	147.96	19.00	148	na	na				
Fallow, natural	3	3.70	15.39	9.43	5	3.91	1.66				
Fallow, improved	4	2.00	13.72	2.51	5	6.86	1.26				
Pasture, traditional	4	11.00	5.69	3.43	2	2.85					
Pasture, improved	3	11.00	6.04	1.91	2	3.02					
Coffee, monocul	3	8.00	14.95	2.66	7	2.14	0.38				
Multistrata	3	10.00	70.50	24.30	12	7.26	1.63				
Calcuations used for estimating Land Use System time-averaged C stocks											
LUS	CropC	CropYrs	Caccum	FallowYrs	Time	MaximumC	Rotation	C_{ta}	C_{ta}	C_{ta}	LUS
	C_c	T_c	I_c	T_f	C_{max}	C_{max}	T_r	CropPhs	FallowPhs	ProdPhs	C_{ta}
Forest	-	-	-	-	-	148.00	-	-	-	-	148
Pasture, traditional	-	-	2.85	-	2	5.70	-	-	-	-	2.85
improved	-	-	3.06	-	2	6.12	-	-	-	-	3.06
Crop/ natural fallow	2	3	3.91	5	5	19.55	8	2	9.78		6.86
low range	2	3	2.25	5	5	11.25	8	2	5.63		4.27
high range	2	3	5.67	5	5	28.35	8	2	14.18		9.61
Crop/ improved fallow	2.00	3.00	6.86	5	5	34.30	8	2	17.15		11.47
low range	2.00	3.00	5.60	5	5	28.00	8	2	14.00		9.50
high range	2.00	3.00	8.12	5	5	40.60	8	2	20.30		13.44
Crop/ coffee	2	2	2.14	-	7	14.95	12	2	7.48	14.95	10.93
low range	2	2	1.76	-	7	12.32	12	2	6.16	12.32	9.06
high range	2	2	2.52	-	7	17.64	12	2	8.82	17.64	12.83
Crop/ multistrataAF	2	2	7.26		12	87.12	20	2	43.56	87.12	61.18
low range	2	2	5.63		12	67.56	20	2	33.78	67.56	47.49
high range	2	2	8.89		12	106.68	20	2	53.34	106.68	74.88