

Supplementary material

Pre-fire and post-fire surface fuel and cover measurements collected in the southeastern United States for model evaluation and development – RxCADRE 2008, 2011 and 2012

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Table S1. Pre-fire fuel loading (Pre), measured fuel consumption (Meas), predicted fuel consumption of shrubs, herb, fine wood and litter from CONSUME 4.2 (C), FOFEM 5.9 (F) in 14 forest and 14 non-forest sample units prescribed burned in 2008, 2011 and 2012

All units are in Mg ha⁻¹

Unit ID	Herb				Shrub				Fine wood				Litter			
	Pre	Meas	C	F	Pre	Meas	C	F	Pre	Meas	C	F	Pre	Meas	C	F
<i>Forest units</i>																
2008_DubignonEast	1.05	1.04	0.98	1.05	4.31	2.17	3.39	2.49	1.80	0.21	0.64	0.09	4.39	2.29	3.70	4.39
2008_NorthBoundary	1.12	1.11	1.04	1.12	0.22	0.10	0.17	0.00	1.87	0.03	0.99	0.00	2.41	0.43	1.84	2.42
2008_TurkeyWoods	0.86	0.86	0.50	0.54	0.34	0.20	0.25	0.00	1.42	0.00	1.03	0.25	2.80	1.90	2.32	2.80
2008_307B1	0.21	0.18	0.19	0.20	1.40	0.33	1.08	0.99	2.45	1.21	0.69	0.00	1.36	1.15	1.20	1.37
2008_608A1	1.48	1.47	1.39	1.50	0.31	0.19	0.24	0.31	1.61	1.04	1.14	0.02	1.03	1.03	0.86	1.03
2011_608A_NW	0.90	0.84	0.54	0.58	0.04	0.00	0.03	0.04	2.08	1.86	1.64	0.00	3.07	2.82	0.79	0.96
2011_608A_SW	0.33	0.32	0.31	0.34	0.17	0.04	0.14	0.00	1.50	0.94	1.22	0.04	2.87	2.56	2.76	2.87
2011_608A_SE	0.84	0.83	0.77	0.83	0.57	0.40	0.43	0.02	1.34	0.00	1.05	0.00	4.19	3.87	2.30	2.67
2011_703C_W	0.37	0.36	0.33	0.36	0.68	0.35	0.51	0.04	0.91	0.00	0.76	0.02	3.38	2.91	2.93	3.38
2011_703C_E	0.33	0.32	0.29	0.31	1.20	0.50	0.91	0.00	0.67	0.00	0.51	0.02	3.17	2.51	2.29	3.16
2012_L2F	0.13	0.05	0.12	0.13	1.16	0.52	0.89	0.34	3.48	0.89	2.93	2.22	4.87	2.67	2.68	4.86
2012_L2F_HIP1	0.41	0.37	0.37	0.40	0.21	0.00	0.17	0.00	0.55	0.49	0.50	0.36	3.37	2.35	1.86	3.38
2012_L2F_HIP2	0.32	0.28	0.29	0.31	3.39	0.67	2.64	1.88	2.33	0.06	2.05	1.23	3.49	3.19	1.92	3.50
2012_L2F_HIP3	0.31	0.31	0.29	0.31	1.07	0.84	0.80	0.27	0.55	0.00	0.45	0.18	8.23	7.74	4.53	8.23
<i>Non-forest units</i>																
2012_L1G	1.64	1.39	1.52	1.64	0.20	0.16	0.15	0.20	0.10	0.07	0.08	0.04	0.15	0.15	0.04	0.16
2012_L1G_HIP1	2.01	1.58	1.87	2.02	0.17	0.15	0.12	0.16	0.03	0.03	0.02	0.00	0.18	0.16	0.05	0.18
2012_L1G_HIP2	1.49	1.25	1.39	1.50	0.21	0.11	0.15	0.20	0.00	0.00	0.00	0.00	0.02	0.00	0.01	0.02
2012_L1G_HIP3	1.92	1.18	1.79	1.93	0.31	0.00	0.24	0.31	0.04	0.00	0.04	0.02	0.13	0.08	0.04	0.13
2012_L2G	1.70	1.50	1.56	1.68	0.43	0.00	0.32	0.43	0.11	0.06	0.02	0.00	0.43	0.40	0.13	0.43
2012_L2G_HIP1	1.94	1.84	1.81	1.95	0.47	0.37	0.34	0.45	0.00	0.00	0.00	0.00	0.37	0.32	0.11	0.36
2012_L2G_HIP2	2.01	1.85	1.87	2.02	0.01	0.01	0.00	0.00	0.22	0.16	0.02	0.00	0.73	0.73	0.25	0.74
2012_L2G_HIP3	1.74	1.64	1.62	1.75	3.03	2.68	2.36	3.03	0.09	0.00	0.08	0.04	1.01	1.00	0.37	1.01
2012_S3	1.53	1.34	1.43	1.55	0.95	0.64	0.74	0.96	0.03	0.01	0.02	0.00	0.58	0.57	0.19	0.58
2012_S4	1.49	1.35	1.37	1.48	0.42	0.19	0.31	0.40	0.06	0.05	0.06	0.02	0.48	0.46	0.16	0.49
2012_S5	1.70	1.55	1.58	1.70	0.54	0.16	0.25	0.34	0.02	0.01	0.02	0.00	0.55	0.47	0.18	0.58
2012_S7	1.30	1.13	1.23	1.32	1.23	0.00	0.94	1.23	0.45	0.11	0.42	0.27	1.13	0.66	0.39	1.12
2012_S8	1.28	1.09	1.19	1.28	1.14	0.74	0.87	1.14	0.52	0.43	0.42	0.27	0.69	0.54	0.22	0.69
2012_S9	1.30	1.17	1.21	1.30	0.61	0.01	0.46	0.61	0.15	0.00	0.15	0.07	0.36	0.32	0.11	0.36

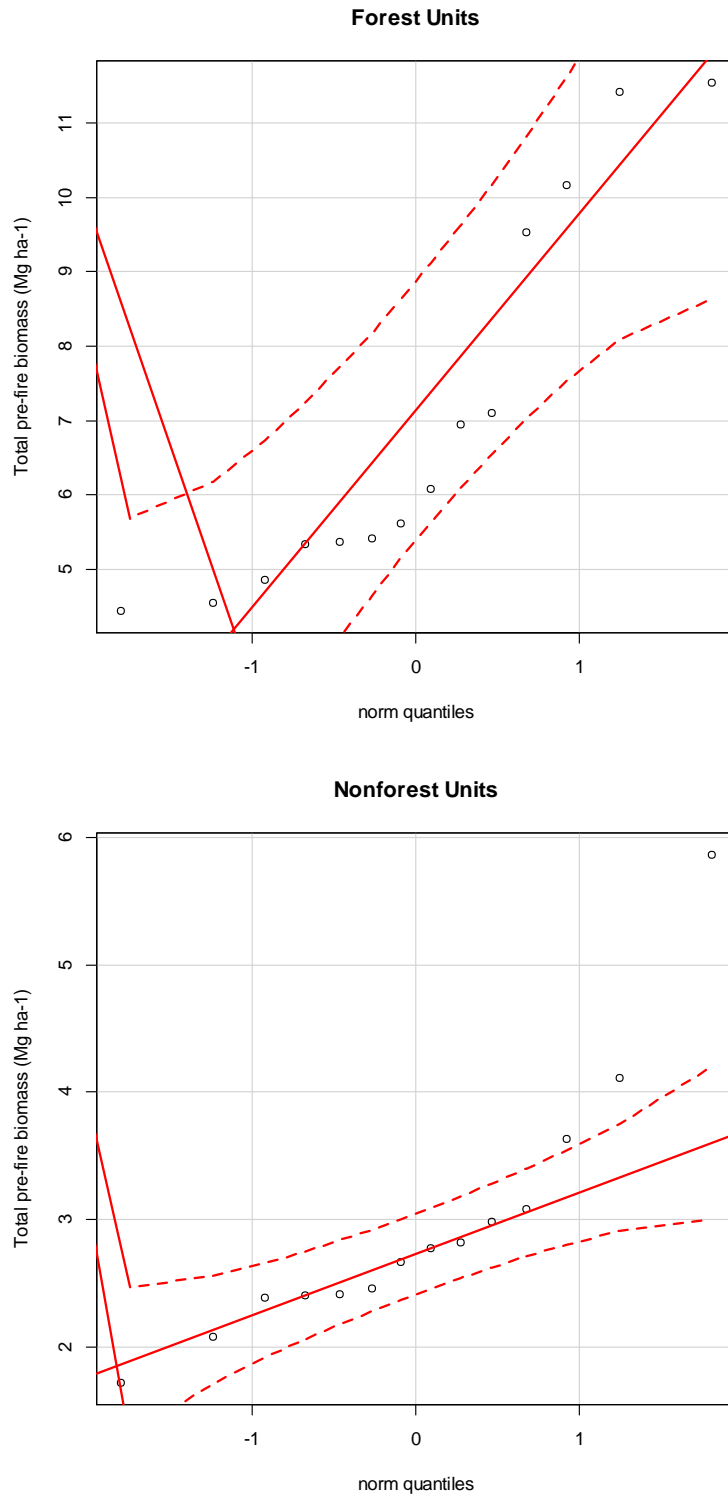


Fig. S1. Normal Q–Q plots for total pre-fire biomass in forest and non-forest burns. Non-linearity in the visual inspection of Q–Q plots reveals the potential for non-normal distribution in both sample units (forest and non-forest) requiring a statistical test of normality (i.e. Shapiro–Wilk test).