

**Supplementary Table S2.** ANOVA test of invasive and weed species.

ANOVA	Df		Sum Sq		Mean Sq		F value	Pr(>F)
	Weeds	Residuals	Weeds	Residuals	Weeds	Residuals		
Boochs	4	95	31.41	7.77	7.85	0.08	96.04	0.00
Boochs2	4	95	23.35	8.26	5.84	0.09	67.13	0.00
CARI	4	95	3412.35	5656.11	853.09	59.54	14.33	0.00
Carter2	4	95	0.40	0.20	0.10	0.00	48.28	0.00
Carter3	4	95	0.22	0.09	0.06	0.00	57.39	0.00
Carter4	4	95	0.18	0.13	0.05	0.00	31.90	0.00
Carter5	4	95	3.11	1.81	0.78	0.02	40.66	0.00
Carter6	4	95	64.28	300.81	16.07	3.17	5.08	0.04
CI	4	95	0.04	0.00	0.01	0.00	188.51	0.00
CI2	4	95	4.95	2.33	1.24	0.02	50.50	0.00
CIAInt	4	95	95030.53	539314.33	23757.63	5676.99	4.18	0.08
CRI1	4	95	0.00	0.00	0.00	0.00	38.06	0.00
CRI2	4	95	0.00	0.01	0.00	0.00	11.15	0.00
CRI3	4	95	13.42	6.96	3.35	0.07	45.77	0.00
CRI4	4	95	5.03	2.26	1.26	0.02	52.78	0.00
D1	4	95	1.86	0.25	0.47	0.00	176.79	0.00
D2	4	95	0.94	0.77	0.23	0.01	28.74	0.00
Datt	4	95	0.13	0.04	0.03	0.00	70.51	0.00
Datt2	4	95	1.46	0.88	0.36	0.01	39.47	0.00
Datt3	4	95	0.21	0.11	0.05	0.00	43.88	0.00
Datt4	4	95	0.00	0.00	0.00	0.00	43.50	0.00
Datt5	4	95	1.86	0.83	0.47	0.01	53.01	0.00
Datt6	4	95	0.03	0.05	0.01	0.00	13.80	0.00
DD	4	95	368.06	225.77	92.02	2.38	38.72	0.00
DDn	4	95	1103.46	2022.24	275.86	21.29	12.96	0.00
DPI	4	95	0.42	0.26	0.11	0.00	38.17	0.00
DWSI4	4	95	1.67	0.69	0.42	0.01	57.32	0.00
EGFN	4	95	0.11	0.09	0.03	0.00	28.56	0.00
EGFR	4	95	24.94	24.13	6.24	0.25	24.55	0.00
EVI	4	95	62.93	64.55	15.73	0.68	23.15	0.00
GI	4	95	1.98	0.87	0.49	0.01	53.93	0.00
Gitelson	4	95	0.00	0.00	0.00	0.00	5.29	0.07
Gitelson2	4	95	6.33	1.67	1.58	0.02	89.93	0.00
GMI1	4	95	14.20	7.09	3.55	0.07	47.57	0.00
GMI2	4	95	5.41	2.34	1.35	0.02	55.00	0.00
Green NDVI	4	95	0.12	0.07	0.03	0.00	41.68	0.00
Maccioni	4	95	0.10	0.06	0.02	0.00	38.55	0.00
MCARI	4	95	3026.55	1609.86	756.64	16.95	44.65	0.00
MCARI2	4	95	6069.55	2161.05	1517.39	22.75	66.70	0.00
MPRI	4	95	54.06	181.97	13.51	1.92	7.06	0.05
MSAVI	4	95	0.29	0.14	0.07	0.00	50.77	0.00
mSR2	4	95	3.02	1.54	0.76	0.02	46.76	0.00
MTCI	4	95	1.54	1.43	0.38	0.02	25.43	0.00

MTVI	4	95	12472.81	4732.16	3118.20	49.81	62.60	0.00
NDVI	4	95	0.50	0.20	0.13	0.00	59.64	0.00
NDVI2	4	95	0.17	0.09	0.04	0.00	43.89	0.00
NDVI3	4	95	0.37	0.15	0.09	0.00	58.54	0.00
OSAVI	4	95	0.65	0.28	0.16	0.00	55.50	0.00
OSAVI2	4	95	0.23	0.13	0.06	0.00	43.98	0.00
PARS	4	95	56.56	19.82	14.14	0.21	67.77	0.00
PRI	4	95	0.04	0.01	0.01	0.00	83.93	0.00
PRI*CI2	4	95	0.02	0.01	0.01	0.00	64.61	0.00
PRI_norm	4	95	0.00	0.00	0.00	0.00	59.52	0.00
PSND	4	95	0.12	0.05	0.03	0.00	55.80	0.00
PSRI	4	95	0.14	0.07	0.04	0.00	47.48	0.00
PSSR	4	95	86.46	32.21	21.61	0.34	63.76	0.00
RDVI	4	95	42.35	13.60	10.59	0.14	73.98	0.00
REP_Li	4	95	294.21	211.43	73.55	2.23	33.05	0.00
SAVI	4	95	1.07	0.46	0.27	0.00	55.87	0.00
SPVI	4	95	8092.97	3155.26	2023.24	33.21	60.92	0.00
SR	4	95	77.84	29.27	19.46	0.31	63.16	0.00
SR1	4	95	5.41	2.34	1.35	0.02	55.00	0.00
SR2	4	95	24.46	8.44	6.12	0.09	68.87	0.00
SR3	4	95	14.20	7.09	3.55	0.07	47.57	0.00
SR4	4	95	7.10	3.60	1.78	0.04	46.83	0.00
SR5	4	95	0.43	0.15	0.11	0.00	69.30	0.00
SR6	4	95	1.09	0.64	0.27	0.01	40.36	0.00
SR8	4	95	0.12	0.04	0.03	0.00	82.06	0.00
Sum_Dr1	4	95	4411.17	1570.51	1102.79	16.53	66.71	0.00
Sum_Dr2	4	95	3742.66	1303.98	935.67	13.73	68.17	0.00
TCARI	4	95	1093.60	738.34	273.40	7.77	35.18	0.00
TCARI/OSAVI	4	95	1082.85	1950.82	270.71	20.53	13.18	0.00
TCARI2	4	95	2293.13	1101.32	573.28	11.59	49.45	0.00
TCARI2/OSAVI2	4	95	3056.11	7064.84	764.03	74.37	10.27	0.00
TGI	4	95	893711.23	582378.29	223427.81	6130.30	36.45	0.00
TVI	4	95	17701683.20	6225905.04	4425420.80	65535.84	67.53	0.00
Vogelmann	4	95	0.20	0.10	0.05	0.00	47.35	0.00
Vogelmann2	4	95	0.00	0.00	0.00	0.00	23.51	0.00
Vogelmann3	4	95	0.30	0.45	0.08	0.00	15.93	0.00
Vogelmann4	4	95	0.01	0.01	0.00	0.00	23.85	0.00