

Supplementary Materials: **Table S1.** Field survey data

Latitude	Longitude	Degradation types	Leaf area index
36.823	112.209	fire	0
49.518	123.023	fire	0
49.534	123.169	fire	0
49.927	120.830	fire	0
53.006	122.518	fire	0
50.567	123.580	fire	0
50.990	122.431	fire	0
34.356	109.233	fire	0
52.871	123.164	fire	0
52.874	123.144	fire	0
48.209	119.986	fire	0
50.905	124.393	fire	0
48.172	119.800	fire	0
51.248	124.798	fire	0
48.176	119.882	fire	0
48.221	119.961	fire	0
48.777	120.969	fire	0
51.584	122.369	fire	0
51.624	124.251	fire	0
53.003	122.680	fire	0
33.146	105.297	Drought&Insect	2.81
33.778	105.760	Drought	2.25
38.064	110.450	Drought	0.62
39.543	110.573	Drought	1.12
40.860	110.584	Drought	1.22
41.592	120.556	Drought	1.51
43.797	117.884	Drought	1.66
44.513	120.327	Drought&Insect	1.22
47.803	119.585	Drought	3.34
50.509	120.137	Drought&Insect	2.12
50.730	120.308	Drought&Insect	2.5
51.962	121.796	Drought&Insect	2.26
51.971	121.769	Drought&Insect	2.26
34.033	107.316	Insect	2.24
34.312	106.200	Insect	2.31
42.118	119.181	Insect	0.95
42.895	118.856	Insect	0.85
44.296	119.583	Insect	1.8
46.325	120.580	Insect	1.32
46.929	120.824	Insect	1.89
42.906	125.639	Insect	1.42