

Appendix 1. Data set for the field study

P/A: 0 = absent, 1 = present. –, no data

Plot ID	P/A	Slope (°)	Distance to hill top (m)	Soil depth (cm)	Radiation index	Rockiness index	Distance index	Fire index
1	1	30	150	0	23323	–	5.65	1.00
2	0	2	45	50	28182	6.5	6.80	1.00
3	0	30	80	20	28158	48.2	6.91	1.00
4	0	25	22.5	5	28325	38.1	7.09	1.10
5	0	0	7.5	5	28346	–	7.17	0.05
6	1	5	80	5	22028	66.2	–1.61	0.15
7	1	12	80	5	22956	74.7	–1.61	1.35
8	1	35	80	5	23705	73.8	3.69	0.33
9	0	40	22.5	20	27857	51.5	5.30	0.45
10	1	35	150	5	25949	54.1	3.69	0.45
11	1	40	150	5	22258	–	3.00	0.15
12	1	0	150	5	10087	–	–1.61	0.15
13	1	35	80	5	24618	–	–0.69	0.00
14	1	35	80	5	24618	–	–0.69	0.00
15	0	35	45	5	22822	8.5	5.99	0.23
16	1	25	22.5	20	27845	15.0	5.99	0.30
17	1	40	45	5	26087	79.3	5.30	0.20
18	1	20	80	5	22205	38.4	–1.61	0.25
19	1	30	150	5	23083	49.6	3.69	0.30
20	1	0	45	5	27752	64.1	–1.61	0.20
21	0	20	45	5	28188	42.8	–1.61	0.18
22	0	28	22.5	5	27731	35.7	3.69	1.00
23	0	25	22.5	5	28242	38.7	4.94	0.17
24	0	15	7.5	20	28337	45.1	4.94	1.20
25	0	27	7.5	5	28242	36.4	4.79	0.15
26	0	20	22.5	5	28217	33.1	5.30	1.22
27	0	5	7.5	5	28342	15.5	4.61	1.16
28	1	35	45	5	17438	79.6	2.81	0.25
29	0	2	80	50	26248	0.7	–2.20	0.15
30	0	10	22.5	5	27026	81.2	3.51	1.15
31	1	40	45	5	21828	68.9	2.41	0.16
32	1	30	0	5	10957	90.0	3.51	0.15
33	0	0	45	50	27897	0.7	4.02	0.00
34	0	10	100	5	27840	87.7	4.61	0.19
35	1	37	45	10	18550	66.3	4.09	0.16
36	1	0	45	5	26036	40.0	–1.61	0.16
37	1	0	45	20	24548	35.3	–1.61	0.15
38	1	7	22.5	5	26084	70.9	–0.69	0.19
39	0	20	100	5	27474	89.3	3.69	1.46
40	0	2	45	5	23649	55.8	–1.61	0.35
41	0	20	45	5	27078	89.8	3.69	1.45
42	0	0	80	50	26970	13.7	–2.20	0.02
43	0	30	22.5	5	26266	82.7	2.41	0.19
44	0	5	45	50	24555	4.6	–2.20	2.17
45	1	40	45	5	22030	86.8	2.81	1.16
46	1	53	45	5	19375	0.0	3.10	1.00
47	0	3	80	5	28212	85.0	5.81	2.15

48	0	3	45	5	28230	85.8	5.81	2.15
49	0	10	150	20	28223	98.0	-2.20	0.00
50	0	2	150	50	28185	58.9	-2.20	0.01
51	0	23	80	5	26888	60.4	-2.20	0.19
52	0	5	80	20	27927	12.6	4.32	1.19
53	1	12	80	5	27662	57.6	-0.69	1.30
54	1	15	45	0	27729	68.9	-1.61	1.38
55	1	17	80	5	26079	43.7	-0.69	1.45
56	1	35	80	5	26810	52.1	3.69	0.15
57	0	0	100	20	27777	2.0	-1.61	1.18
58	0	1	150	20	28205	40.1	3.91	1.06
59	0	15	80	5	27552	41.2	4.32	1.08
60	0	18	0	5	27684	70.3	4.09	1.19
61	0	5	7.5	5	27769	78.4	-1.61	1.19
62	1	2	150	5	27918	0.0	-1.61	1.00
63	0	25	150	5	27951	39.3	4.94	1.31
64	0	15	80	5	26468	22.5	5.30	1.19
65	0	20	80	5	23854	52.6	5.30	1.17
66	1	10	150	20	26554	38.5	-0.69	1.16
67	1	35	45	0	21711	61.4	5.30	1.31
68	1	20	150	5	24762	17.3	5.30	1.17
69	1	35	45	5	22735	0.0	4.94	1.15
70	0	8	150	5	27084	60.8	-0.69	0.16
71	0	12	150	20	28298	18.0	5.01	2.30
72	0	32	150	5	27203	59.0	6.62	2.16
73	0	25	80	5	28087	46.4	5.30	2.31
74	0	22	150	5	26979	49.6	5.52	2.18
75	0	20	150	5	27791	49.6	5.52	2.18
76	0	20	150	5	28347	41.3	6.21	2.30
77	0	20	150	5	28277	32.8	5.52	2.18
78	0	12	150	5	28058	61.3	5.30	1.17
79	0	20	150	5	28217	22.7	5.01	2.19
80	0	30	150	20	27977	35.2	7.82	1.01
81	0	30	80	20	26902	39.2	8.01	1.80
82	0	25	80	20	26707	34.6	7.82	0.00
83	0	35	80	5	27147	58.9	-0.69	2.42
84	1	35	80	5	25345	59.0	-0.69	2.19
85	1	35	80	5	27000	0.0	4.32	1.03
86	0	25	150	20	25033	39.0	3.51	2.25
87	1	20	150	5	23748	38.2	-0.69	2.17
88	1	35	80	10	23853	30.1	5.12	2.20
89	1	30	150	5	20067	42.4	5.40	1.70
90	0	30	80	0	19288	50.0	5.12	0.17
91	0	35	80	15	21266	12.2	-0.69	0.01
92	1	0	150	5	21564	45.0	-2.20	0.20
93	1	15	150	20	24630	0.0	4.61	1.16
94	1	35	150	5	19256	0.0	4.71	1.00
95	1	30	80	5	19685	51.8	-2.20	0.18
96	0	25	150	5	26222	61.2	-0.69	1.80
97	0	35	80	10	26689	32.9	3.10	2.09
98	0	0	150	50	26449	41.6	-2.20	0.80
99	1	30	150	10	25674	31.2	3.10	2.41
100	1	15	150	10	26070	61.8	-0.69	1.86
101	0	55	7.5	2	28337	44.7	6.21	0.00

102	1	5	22.5	5	28009	52.2	6.68	0.02
103	1	35	80	5	27465	63.7	-0.69	2.46
104	1	35	80	5	26235	-	4.71	1.16
105	1	35	22.5	5	28088	-	5.40	1.45
106	1	35	80	5	24935	-	-0.69	0.03
107	1	35	22.5	5	25405	44.8	5.56	2.31
108	1	20	22.5	5	23140	-	5.30	1.68
109	1	1	150	20	28221	54.3	-0.69	1.33
110	0	20	80	5	27976	-	-0.69	0.53
111	1	10	150	5	27900	30.6	-0.69	1.68
112	1	3	150	50	27479	37.8	2.30	0.03
113	1	15	150	5	27333	-	3.40	1.88
114	1	3	100	10	27811	40.0	-1.61	1.26
115	1	20	150	10	27897	34.6	-1.61	2.13
116	0	25	150	5	26542	29.4	2.81	2.20
117	0	0	150	1	23957	43.2	-2.20	0.20
118	1	15	22.5	5	27757	33.6	-0.69	0.18
119	0	35	45	0	25167	-	4.61	0.50
120	1	30	22.5	5	27828	74.5	5.70	0.43
121	1	15	22.5	5	18882	16.4	3.40	2.17
122	1	15	80	20	26492	40.0	5.30	0.17
123	1	27	45	0	21740	36.7	-0.69	1.01
124	1	3	45	0	18645	46.4	-1.61	0.16
125	1	20	22.5	5	27777	52.4	6.21	1.30
126	1	25	150	15	27368	58.9	4.61	2.18
127	0	32	80	0	24660	45.2	4.71	0.00
128	1	40	45	5	24660	11.7	5.12	0.17
129	1	25	45	5	26829	36.0	-0.69	0.71
130	1	10	80	5	25884	27.0	-1.61	0.25
131	0	32	45	5	26662	21.2	4.09	0.50
132	0	0	80	20	26773	25.0	-1.61	1.18
133	1	25	45	5	27815	34.2	3.40	0.54
134	1	22	80	0	27209	36.0	3.32	1.08
135	1	32	80	10	27117	32.5	3.00	1.68
136	1	0	150	10	24938	54.6	-1.61	0.03