

Soil and climate data of the experimental site												
No.	Site	Latitude, longitude	Regional distribution	Crop type	SOM (g/ kg)	Soil total N (g/kg)	Planting method	Precipitation (mm)	Temperature (°C)	ST (1999)	Total biomass (dry weight)	yield (kg/hm <sup>2</sup> )
1	Shaanxi	35°12'787"N,107°44'703"E	Northwest China	wheat	12.00	0.79	crop rotation	580	9.1	Inceptisols	2341	3158
2	Shaanxi	35°12'787"N,107°44'703"E	Northwest China	wheat	12.00	0.79	crop rotation	580	9.1	Inceptisols	734	2922
3	Shaanxi	35°12'787"N,107°44'703"E	Northwest China	wheat	12.00	0.79	crop rotation	580	9.1	Inceptisols	2291	2651
4	Shaanxi	35°12'787"N,107°44'703"E	Northwest China	wheat	9.67	0.79	crop rotation	664.5	9.1	Inceptisols	3083	3238
5	Shaanxi	35°12'787"N,107°44'703"E	Northwest China	wheat	12.00	0.79	crop rotation	664.5	9.1	Inceptisols	2891	3169
6	Shaanxi	35°12'787"N,107°44'703"E	Northwest China	wheat	12.00	0.79	crop rotation	664.5	9.1	Inceptisols	2442	3144
7	Shaanxi	35°12'787"N,107°44'703"E	Northwest China	wheat	40.50	0.79	crop rotation	722.2	9.1	Inceptisols	2464	4427
8	Shaanxi	35°12'787"N,107°44'703"E	Northwest China	wheat	12.00	0.79	crop rotation	722.2	9.1	Inceptisols	2535	3790
9	Shaanxi	35°12'787"N,107°44'703"E	Northwest China	wheat	12.00	0.79	crop rotation	722.2	9.1	Inceptisols	3148	3832
10	Shaanxi	35°12'787"N,107°44'703"E	Northwest China	wheat	11.80	0.79	crop rotation	476.8	9.1	Inceptisols	2743	6249
11	Shaanxi	35°12'787"N,107°44'703"E	Northwest China	wheat	11.80	0.79	crop rotation	476.8	9.1	Inceptisols	2903	5814
12	Shaanxi	35°12'787"N,107°44'703"E	Northwest China	wheat	11.80	0.79	crop rotation	476.8	9.1	Inceptisols	1622	5353
13	Shaanxi	35°12'00"N,107°40'30"E	Northwest China	wheat	11.80	0.79	crop rotation	480.5	9.1	Inceptisols		4073
14	Shaanxi	35°12'00"N,107°40'30"E	Northwest China	wheat	11.80	0.79	crop rotation	480.5	9.1	Inceptisols		4565
15	Shaanxi	35°12'00"N,107°40'30"E	Northwest China	wheat	11.80	0.79	crop rotation	480.5	9.1	Inceptisols		4587
16	Shaanxi	35°12'00"N,107°40'30"E	Northwest China	wheat	11.80	0.79	crop rotation	480.5	9.1	Inceptisols	0	4357
17	Shaanxi	35°12'00"N,107°40'30"E	Northwest China	wheat	11.80	0.79	crop rotation	480.5	9.1	Inceptisols		5012
18	Shaanxi	35°12'00"N,107°40'30"E	Northwest China	wheat	11.80	0.79	crop rotation	480.5	9.1	Inceptisols		5329
19	Shaanxi	35°12'00"N,107°40'30"E	Northwest China	wheat	11.80	0.79	crop rotation	480.5	9.1	Inceptisols		5216
20	Shaanxi	35°12'00"N,107°40'30"E	Northwest China	wheat	11.80	0.79	crop rotation	480.5	9.1	Inceptisols		5443
21	Shaanxi	35°12'00"N,107°40'30"E	Northwest China	wheat	11.80	0.79	crop rotation	480.5	9.1	Inceptisols	0	5249
22	Shaanxi	35°12'00"N,107°40'30"E	Northwest China	wheat	11.80	0.79	crop rotation	480.5	9.1	Inceptisols		5709

23	Shaanxi	35°12'00"N,107°40'30"E	Northwest China	wheat	11.80	0.79	crop rotation	480.5	9.1	Inceptisols	5305
24	Shaanxi	35°12'00"N,107°40'30"E	Northwest China	wheat	11.80	0.79	crop rotation	480.5	9.1	Inceptisols	5356
25	Jiangsu	31°17'N,119°54'E	East China	rice	18.80	1.3	crop rotation	1177	16.1	Inceptisols	12438
26	Jiangsu	31°17'N,119°54'E	East China	rice	18.80	1.3	crop rotation	1177	16.1	Inceptisols	12438
27	Jiangsu	31°17'N,119°54'E	East China	rice	18.80	1.3	crop rotation	1177	16.1	Inceptisols	12438
28	Jiangsu	31°17'N,119°54'E	East China	rice	18.80	1.3	crop rotation	1177	16.1	Inceptisols	12438
29	Jiangsu	31°17'N,119°54'E	East China	rice	18.80	1.3	crop rotation	1177	16.1	Inceptisols	8000
30	Jiangsu	31°17'N,119°54'E	East China	rice	18.80	1.3	crop rotation	1177	16.1	Inceptisols	8000
31	Jiangsu	31°17'N,119°54'E	East China	rice	18.80	1.3	crop rotation	1177	16.1	Inceptisols	8000
32	Jiangsu	31°17'N,119°54'E	East China	rice	18.80	1.3	crop rotation	1177	16.1	Inceptisols	8000
33	Gansu	37°93'N,102°63'E	Northwest China	maize	12.00		Intercropping	150	7.8	Inceptisols	13070
34	Gansu	37°93'N,102°63'E	Northwest China	maize	12.00		Intercropping	150	7.8	Inceptisols	12649
35	Gansu	37°93'N,102°63'E	Northwest China	maize	12.00		Intercropping	150	7.8	Inceptisols	14030
36	Gansu	37°93'N,102°63'E	Northwest China	maize	12.00		Intercropping	150	7.8	Inceptisols	13892
37	Gansu	37°93'N,102°63'E	Northwest China	maize	12.00		Intercropping	150	7.8	Inceptisols	12732
38	Gansu	37°93'N,102°63'E	Northwest China	maize	12.00		Intercropping	150	7.8	Inceptisols	11667
39	Gansu	37°93'N,102°63'E	Northwest China	maize	12.00		Intercropping	150	7.8	Inceptisols	13801
40	Gansu	37°93'N,102°63'E	Northwest China	maize	12.00		Intercropping	150	7.8	Inceptisols	13494
41	Hunan	26°45'42"N,111°52'32"E	Central and South China	rice	12.00	1.58	crop rotation	1290	17.8	Inceptisols	9980
42	Hunan	26°45'42"N,111°52'32"E	Central and South China	rice	12.00	1.58	crop rotation	1290	17.8	Inceptisols	9310
43	Liaoning	48°48'N,125°25'E	Northeast China	maize	12.00		crop rotation	721.7	7.9	Mollisols	11186
44	Liaoning	48°48'N,125°25'E	Northeast China	maize	12.00		crop rotation	721.7	7.9	Mollisols	10655
45	Liaoning	48°48'N,125°25'E	Northeast China	maize	12.00		crop rotation	721.7	7.9	Mollisols	9714
46	Liaoning	48°48'N,125°25'E	Northeast China	maize	12.00		crop rotation	721.7	7.9	Mollisols	9886
47	Liaoning	48°48'N,125°25'E	Northeast China	maize	12.00		crop rotation	721.7	7.9	Mollisols	10619

48	Liaoning	48°48'N,125°25'E	Northeast China	maize	12.00		crop rotation	721.7	7.9	Mollisols		9603
49	Liaoning	48°48'N,125°25'E	Northeast China	maize	12.00		crop rotation	651.7	7.9	Mollisols		10339
50	Liaoning	48°48'N,125°25'E	Northeast China	maize	12.00		crop rotation	651.7	7.9	Mollisols		9077
51	Liaoning	48°48'N,125°25'E	Northeast China	maize	12.00		crop rotation	651.7	7.9	Mollisols		8324
52	Liaoning	48°48'N,125°25'E	Northeast China	maize	12.00		crop rotation	651.7	7.9	Mollisols		10240
53	Liaoning	48°48'N,125°25'E	Northeast China	maize	12.00		crop rotation	651.7	7.9	Mollisols		8680
54	Liaoning	48°48'N,125°25'E	Northeast China	maize	12.00		crop rotation	651.7	7.9	Mollisols		8189
55	Liaoning	48°48'N,125°25'E	Northeast China	maize	12.00		crop rotation	716.2	7.9	Mollisols		10288
56	Liaoning	48°48'N,125°25'E	Northeast China	maize	12.00		crop rotation	716.2	7.9	Mollisols		9150
57	Liaoning	48°48'N,125°25'E	Northeast China	maize	12.00		crop rotation	716.2	7.9	Mollisols		8641
58	Liaoning	48°48'N,125°25'E	Northeast China	maize	12.00		crop rotation	716.2	7.9	Mollisols		9845
59	Liaoning	48°48'N,125°25'E	Northeast China	maize	12.00		crop rotation	716.2	7.9	Mollisols		8098
60	Liaoning	48°48'N,125°25'E	Northeast China	maize	12.00		crop rotation	716.2	7.9	Mollisols		8620
61	Hunan	26°45'N,111°52'E	Central and South China	rice	12.00	0.94	crop rotation	1250	18.3	Inceptisols		10680
62	Hunan	26°45'N,111°52'E	Central and South China	rice	12.00	0.94	crop rotation	1250	18.3	Inceptisols		11020
63	Hunan	26°45'N,111°52'E	Central and South China	rice	12.00	0.94	crop rotation	1250	18.3	Inceptisols		9530
64	Hunan	26°45'N,111°52'E	Central and South China	rice	12.00	0.94	crop rotation	1250	18.3	Inceptisols		10630
65	Shaanxi	34°21'N,108°110'E	Northwest China	wheat	15.19	0.95	crop rotation	634	13	Alfisols	2485	5513.6
66	Shaanxi	34°21'N,108°110'E	Northwest China	wheat	15.19	0.95	crop rotation	634	13	Alfisols	2390	5660.3
67	Shaanxi	34°21'N,108°110'E	Northwest China	wheat	15.19	0.95	crop rotation	634	13	Alfisols	410	4826.9
68	Shaanxi	34°21'N,108°110'E	Northwest China	wheat	15.19	0.95	crop rotation	634	13	Alfisols	1700	5080.3
69	Shaanxi	35°12'787"N,107°44'703"E	Northwest China	wheat	12.00	0.79	crop rotation	580	9.1	Inceptisols	3083.3	3141.4
70	Shaanxi	35°12'787"N,107°44'703"E	Northwest China	wheat	12.00	0.79	crop rotation	580	9.1	Inceptisols	3083.3	3311.6
71	Shaanxi	35°12'787"N,107°44'703"E	Northwest China	wheat	12.00	0.79	crop rotation	580	9.1	Inceptisols	3083.3	3172.3
72	Shaanxi	35°12'787"N,107°44'703"E	Northwest China	wheat	12.00	0.79	crop rotation	580	9.1	Inceptisols	3083.3	3327.9

73	Shaanxi	35°12'787"N,107°44'703"E	Northwest China	wheat	12.00	0.79	crop rotation	580	9.1	Inceptisols	2890.9	3108.3
74	Shaanxi	35°12'787"N,107°44'703"E	Northwest China	wheat	12.00	0.79	crop rotation	580	9.1	Inceptisols	2890.9	3167.8
75	Shaanxi	35°12'787"N,107°44'703"E	Northwest China	wheat	12.00	0.79	crop rotation	580	9.1	Inceptisols	2890.9	3124.6
76	Shaanxi	35°12'787"N,107°44'703"E	Northwest China	wheat	12.00	0.79	crop rotation	580	9.1	Inceptisols	2890.9	3276.2
77	Shaanxi	35°12'787"N,107°44'703"E	Northwest China	wheat	12.00	0.79	crop rotation	580	9.1	Inceptisols	2431.7	2379.1
78	Shaanxi	35°12'787"N,107°44'703"E	Northwest China	wheat	12.00	0.79	crop rotation	580	9.1	Inceptisols	2431.7	3341.4
79	Shaanxi	35°12'787"N,107°44'703"E	Northwest China	wheat	12.00	0.79	crop rotation	580	9.1	Inceptisols	2431.7	3329.6
80	Shaanxi	35°12'787"N,107°44'703"E	Northwest China	wheat	12.00	0.79	crop rotation	580	9.1	Inceptisols	2431.7	3527.1
81	Shaanxi	35°12'787"N,107°44'703"E	Northwest China	wheat	12.00	0.79	crop rotation	647.8	9.1	Inceptisols	2381.7	3248.8
82	Shaanxi	35°12'787"N,107°44'703"E	Northwest China	wheat	12.00	0.79	crop rotation	647.8	9.1	Inceptisols	2381.7	3938
83	Shaanxi	35°12'787"N,107°44'703"E	Northwest China	wheat	12.00	0.79	crop rotation	647.8	9.1	Inceptisols	2381.7	3800
84	Shaanxi	35°12'787"N,107°44'703"E	Northwest China	wheat	12.00	0.79	crop rotation	647.8	9.1	Inceptisols	2381.7	3648.1
85	Shaanxi	35°12'787"N,107°44'703"E	Northwest China	wheat	12.00	0.79	crop rotation	647.8	9.1	Inceptisols	2673	2551.5
86	Shaanxi	35°12'787"N,107°44'703"E	Northwest China	wheat	12.00	0.79	crop rotation	647.8	9.1	Inceptisols	2673	3503
87	Shaanxi	35°12'787"N,107°44'703"E	Northwest China	wheat	12.00	0.79	crop rotation	647.8	9.1	Inceptisols	2673	3126.4
88	Shaanxi	35°12'787"N,107°44'703"E	Northwest China	wheat	12.00	0.79	crop rotation	647.8	9.1	Inceptisols	2673	3348.9
89	Shaanxi	35°12'787"N,107°44'703"E	Northwest China	wheat	12.00	0.79	crop rotation	647.8	9.1	Inceptisols	3035.7	2582.8
90	Shaanxi	35°12'787"N,107°44'703"E	Northwest China	wheat	12.00	0.79	crop rotation	647.8	9.1	Inceptisols	3035.7	3388.1
91	Shaanxi	35°12'787"N,107°44'703"E	Northwest China	wheat	12.00	0.79	crop rotation	647.8	9.1	Inceptisols	3035.7	3420.2
92	Shaanxi	35°12'787"N,107°44'703"E	Northwest China	wheat	12.00	0.79	crop rotation	647.8	9.1	Inceptisols	3035.7	3555.6
93	Gansu	37°93'N,102°63'E	Northwest China	maize	12.00	1.36	Intercropping	201	10	Inceptisols		11133
94	Gansu	37°93'N,102°63'E	Northwest China	maize	12.00	1.36	Intercropping	201	10	Inceptisols		12198
95	Gansu	37°93'N,102°63'E	Northwest China	maize	12.00	1.36	Intercropping	201	10	Inceptisols		11678
96	Gansu	37°93'N,102°63'E	Northwest China	maize	12.00	1.36	Intercropping	201	10	Inceptisols		11340
97	Gansu	37°93'N,102°63'E	Northwest China	maize	12.00	1.36	Intercropping	201	10	Inceptisols		11340

98	Gansu	37°93'N,102°63'E	Northwest China	maize	12.00	1.36	Intercropping	201	10	Inceptisols	12523
99	Gansu	37°93'N,102°63'E	Northwest China	maize	12.00	1.36	Intercropping	176	10	Inceptisols	15821
100	Gansu	37°93'N,102°63'E	Northwest China	maize	12.00	1.36	Intercropping	176	10	Inceptisols	15993
101	Gansu	37°93'N,102°63'E	Northwest China	maize	12.00	1.36	Intercropping	176	10	Inceptisols	16726
102	Gansu	37°93'N,102°63'E	Northwest China	maize	12.00	1.36	Intercropping	176	10	Inceptisols	15632
103	Gansu	37°93'N,102°63'E	Northwest China	maize	12.00	1.36	Intercropping	176	10	Inceptisols	15632
104	Gansu	37°93'N,102°63'E	Northwest China	maize	12.00	1.36	Intercropping	176	10	Inceptisols	16334
105	Sichuan	30°45'N,106°02'E	Southwest China	maize	9.80	0.54	crop rotation	1020	17	Inceptisols	4450
106	Sichuan	30°45'N,106°02'E	Southwest China	maize	9.80		crop rotation	1020	17	Inceptisols	6625
107	Sichuan	30°45'N,106°02'E	Southwest China	maize	9.80		crop rotation	1020	17	Inceptisols	6550
108	Sichuan	30°45'N,106°02'E	Southwest China	maize	9.80	0.54	crop rotation	1020	17	Inceptisols	6400
109	Sichuan	30°45'N,106°02'E	Southwest China	maize	9.80	0.64	Intercropping	1020	17	Inceptisols	4946
110	Sichuan	30°45'N,106°02'E	Southwest China	maize	9.80	0.64	Intercropping	1020	17	Inceptisols	4699
111	Sichuan	30°45'N,106°02'E	Southwest China	maize	9.80	0.64	Intercropping	1020	17	Inceptisols	4651
112	Shaanxi	35°12'N,107°45'E	Northwest China	wheat	8.20	0.8	crop rotation	580	9.1	Inceptisols	4119 2448
113	Shaanxi	35°12'N,107°45'E	Northwest China	wheat	8.20	0.8	crop rotation	580	9.1	Inceptisols	5643 7667
114	Shaanxi	35°12'N,107°45'E	Northwest China	wheat	8.20	0.8	crop rotation	580	9.1	Inceptisols	4082 5383
115	Shaanxi	35°12'N,107°45'E	Northwest China	wheat	8.53	0.77	crop rotation	480.5	9.1	Inceptisols	2973
116	Shaanxi	35°12'N,107°45'E	Northwest China	wheat	8.53	0.77	crop rotation	480.5	9.1	Inceptisols	3067
117	Heilongjiang	44°1'44"N,128°44'28"E	Northeast China	wheat	12.00	2.25		611	3.4		5133
118	Heilongjiang	44°1'44"N,128°44'28"E	Northeast China	wheat	12.00	2.25		611	3.4		5085
119	Heilongjiang	44°1'44"N,128°44'28"E	Northeast China	wheat	12.00	2.25		611	3.4		5124
120	Heilongjiang	44°1'44"N,128°44'28"E	Northeast China	wheat	12.00	2.25		611	3.4		5087
121	Xinjiang	42°45'32"N,86°37'33"E	Northwest China	wheat				236	7.3		4855.5
122	Xinjiang	42°45'32"N,86°37'33"E	Northwest China	wheat				236	7.3		5452.5

123	Xinjiang	42°45'32"N,86°37'33"E	Northwest China	wheat				236	7.3		5064
124	Xinjiang	42°45'32"N,86°37'33"E	Northwest China	wheat				236	7.3		4917
125	Anhui	31°72'N,118°10'E	East China	rice	18.80	1.23	crop rotation	1200	7.3	Inceptisols	7262.5
126	Anhui	31°72'N,118°10'E	East China	rice	18.80	1.23	crop rotation	1200	7.3	Inceptisols	7925
127	Anhui	31°72'N,118°10'E	East China	rice	18.80	1.23	crop rotation	1200	7.3	Inceptisols	7308.33
128	Anhui	31°72'N,118°10'E	East China	rice	18.80	1.23	crop rotation	1200	7.3	Inceptisols	6408.33
129	Hunan	26°45'42"N,111°52'32"E	Central and South China	rice	12.00	0.94	crop rotation	1290	17.8	Inceptisols	10779.7
130	Hunan	26°45'42"N,111°52'32"E	Central and South China	rice	12.00	0.94	crop rotation	1290	17.8	Inceptisols	9939.1
131	Gansu	38°37'N,102°40'E	Northwest China	wheat	18.80	1.1		150	7.8		7188
132	Gansu	38°37'N,102°40'E	Northwest China	maize	18.80	1.1		150	7.8		7057
133	Gansu	38°37'N,102°40'E	Northwest China	wheat	18.80	1.1		150	7.8		6511
134	Gansu	38°37'N,102°40'E	Northwest China	maize	12.00	1.1		150	7.8		9340
135	Qinghai	36°62'N,101°77'E	Northwest China	wheat	12.00	1.11	crop rotation	367.5	5.9	Mollisols	3458.24
136	Qinghai	36°62'N,101°77'E	Northwest China	wheat	12.00		crop rotation	367.5	5.9	Mollisols	4801.79
137	Qinghai	36°62'N,101°77'E	Northwest China	wheat	12.00		crop rotation	367.5	5.9	Mollisols	4602.52
138	Qinghai	36°62'N,101°77'E	Northwest China	wheat	12.00		crop rotation	367.5	5.9	Mollisols	4660.3
139	Qinghai	36°62'N,101°77'E	Northwest China	wheat	12.00		crop rotation	367.5	5.9	Mollisols	4889.62
140	Qinghai	36°62'N,101°77'E	Northwest China	wheat	12.00		crop rotation	367.5	5.9	Mollisols	5960.32
141	Qinghai	36°62'N,101°77'E	Northwest China	wheat	12.00	1.11	crop rotation	367.5	5.9	Mollisols	2865.36
142	Qinghai	36°62'N,101°77'E	Northwest China	wheat	12.00		crop rotation	367.5	5.9	Mollisols	5608.92
143	Qinghai	36°62'N,101°77'E	Northwest China	wheat	12.00		crop rotation	367.5	5.9	Mollisols	4723.93
144	Qinghai	36°62'N,101°77'E	Northwest China	wheat	12.00		crop rotation	367.5	5.9	Mollisols	5638.93
145	Qinghai	36°62'N,101°77'E	Northwest China	wheat	12.00		crop rotation	367.5	5.9	Mollisols	6411.09
146	Qinghai	36°62'N,101°77'E	Northwest China	wheat	12.00		crop rotation	367.5	5.9	Mollisols	6297.52
147	Qinghai	36°62'N,101°77'E	Northwest China	wheat	12.00	1.11	crop rotation	367.5	5.9	Mollisols	4129.66

148	Qinghai	36°62'N,101°77'E	Northwest China	wheat	12.00		crop rotation	367.5	5.9	Mollisols	6444.61
149	Qinghai	36°62'N,101°77'E	Northwest China	wheat	18.80		crop rotation	367.5	5.9	Mollisols	7473.9
150	Qinghai	36°62'N,101°77'E	Northwest China	wheat	18.80		crop rotation	367.5	5.9	Mollisols	7588.91
151	Qinghai	36°62'N,101°77'E	Northwest China	wheat	12.00		crop rotation	367.5	5.9	Mollisols	8046.78
152	Qinghai	36°62'N,101°77'E	Northwest China	wheat	12.00		crop rotation	367.5	5.9	Mollisols	8133.22
153	Sichuan	30°52'4"N,106°47"E	Southwest China	wheat			Intercropping	970	16.8	Inceptisols	2736.7
154	Sichuan	30°52'4"N,106°47"E	Southwest China	wheat			Intercropping	970	16.8	Inceptisols	2450
155	Sichuan	30°52'4"N,106°47"E	Southwest China	wheat			Intercropping	970	16.8	Inceptisols	2261.7
156	Sichuan	30°52'4"N,106°47"E	Southwest China	wheat			Intercropping	970	16.8	Inceptisols	2301.7
157	Shaanxi	34°43'38"N,108°11'34"E	Northwest China	wheat	12.00	0.82	crop rotation	445	10.5	Inceptisols	1886
158	Shaanxi	34°43'38"N,108°11'34"E	Northwest China	wheat	12.00	0.82	crop rotation	445	10.5	Inceptisols	1520
159	Shaanxi	35°12'00"N,107°40'30"E	Northwest China	wheat	11.80	0.77	crop rotation	562	9.1	Inceptisols	1242
160	Shaanxi	35°12'00"N,107°40'30"E	Northwest China	wheat	11.80	0.77	crop rotation	562	9.1	Inceptisols	1294
161	Guangxi	21°95'N,108°62'E	Central and South China	rice	12.00		Return to the field	1600	22	Inceptisols	4426.5
162	Guangxi	21°95'N,108°62'E	Central and South China	rice	12.00		Return to the field	1600	22	Inceptisols	4950
163	Shanxi	34°35'N,110°15'E	North China	wheat	12.00		crop rotation	539.5	13.5	Alfisols	3933
164	Shanxi	34°35'N,110°15'E	North China	wheat	12.00		crop rotation	539.5	13.5	Alfisols	4900
165	Shanxi	34°35'N,110°15'E	North China	wheat	12.00		crop rotation	539.5	13.5	Alfisols	4833
166	Gansu	37°93'N,102°63'E	Northwest China	wheat	11.80	0.68	crop rotation	200	7.2	Inceptisols	6438.75
167	Gansu	37°93'N,102°63'E	Northwest China	wheat	11.80	0.68	crop rotation	200	7.2	Inceptisols	7264.96
168	Gansu	37°93'N,102°63'E	Northwest China	wheat	11.80	0.68	crop rotation	200	7.2	Inceptisols	6951.57
169	Gansu	37°93'N,102°63'E	Northwest China	wheat	11.80	0.68	crop rotation	200	7.2	Inceptisols	8433.05
170	Gansu	37°93'N,102°63'E	Northwest China	wheat	11.80	0.68	crop rotation	200	7.2	Inceptisols	8233.62
171	Gansu	37°93'N,102°63'E	Northwest China	wheat	11.80	0.68	crop rotation	200	7.2	Inceptisols	7806.27
172	Gansu	37°93'N,102°63'E	Northwest China	wheat	11.80	0.68	crop rotation	200	7.2	Inceptisols	6068.38

173	Gansu	37°93'N,102°63'E	Northwest China	wheat	11.80	0.68	crop rotation	200	7.2	Inceptisols	6581.2	
174	Gansu	37°93'N,102°63'E	Northwest China	wheat	11.80	0.68	crop rotation	200	7.2	Inceptisols	6866.1	
175	Gansu	37°93'N,102°63'E	Northwest China	wheat	11.80	0.68	crop rotation	200	7.2	Inceptisols	8005.7	
176	Gansu	37°93'N,102°63'E	Northwest China	wheat	11.80	0.68	crop rotation	200	7.2	Inceptisols	5555.56	
177	Gansu	37°93'N,102°63'E	Northwest China	wheat	11.80	0.68	crop rotation	200	7.2	Inceptisols	7435.9	
178	Gansu	37°93'N,102°63'E	Northwest China	wheat	14.31	0.68	crop rotation	200	7.2	Inceptisols	6427	
179	Gansu	37°93'N,102°63'E	Northwest China	wheat	14.31	0.68	crop rotation	200	7.2	Inceptisols	6941	
180	Gansu	37°93'N,102°63'E	Northwest China	wheat	14.31	0.68	crop rotation	200	7.2	Inceptisols	8215	
181	Gansu	37°93'N,102°63'E	Northwest China	wheat	14.31	0.68	crop rotation	200	7.2	Inceptisols	7252	
182	Gansu	37°93'N,102°63'E	Northwest China	wheat	14.31	0.68	crop rotation	200	7.2	Inceptisols	8406	
183	Gansu	37°93'N,102°63'E	Northwest China	wheat	14.31	0.68	crop rotation	200	7.2	Inceptisols	7771	
184	Gansu	38°04'N,102°35'E	Northwest China	wheat	20.40	1.36	interplanting	200	7.2	Inceptisols	5565	
185	Gansu	38°04'N,102°35'E	Northwest China	wheat	20.40	1.36	interplanting	200	7.2	Inceptisols	6450	
186	Gansu	38°04'N,102°35'E	Northwest China	wheat	20.40		interplanting	200	7.2	Inceptisols	6450	
187	Guizhou	27°02'23"N,107°14'24"E	Southwest China	wheat	20.40		crop rotation	1205	14	Inceptisols	2125	
188	Hunan	28°01'N,109°30'E	Central and South China	maize	12.00	1.32	crop rotation	1193.6	15.9	Inceptisols	5611.94	
189	Hunan	28°01'N,109°30'E	Central and South China	maize	12.00	1.32	crop rotation	1193.6	15.9	Inceptisols	3044.78	
190	Hunan	28°01'N,109°30'E	Central and South China	maize	12.00	1.32	crop rotation	1193.6	15.9	Inceptisols	5611.94	
191	Hunan	28°01'N,109°30'E	Central and South China	maize	12.00	1.32	crop rotation	1193.6	15.9	Inceptisols	6507.46	
192	Shaanxi	34°21'N,108°10'E	Northwest China	wheat	12.00	0.74	crop rotation	649.8	13	Alfisols	5140	2634.8
193	Shaanxi	34°21'N,108°10'E	Northwest China	wheat	12.00	0.74	crop rotation	649.8	13	Alfisols	4235	3036.8
194	Shaanxi	34°21'N,108°10'E	Northwest China	wheat	12.00	0.74	crop rotation	649.8	13	Alfisols	51	2592
195	Shaanxi	34°21'N,108°10'E	Northwest China	wheat	12.00	0.74	crop rotation	649.8	13	Alfisols	2127	2856
196	Guizhou	27°82'N,106°42'E	Southwest China	maize	12.00		crop rotation	1038.9	13	Alfisols		9334
197	Shaanxi	35°20'N,107°78'E	Northwest China	wheat	12.00	0.79	crop rotation	480.5	9.1	Inceptisols		4396

198	Shaanxi	35°20'N,107°78'E	Northwest China	wheat	12.00	0.79	crop rotation	480.5	9.1	Inceptisols	5405
199	Shaanxi	35°20'N,107°78'E	Northwest China	wheat	12.00	0.79	crop rotation	480.5	9.1	Inceptisols	5250
200	Shaanxi	35°20'N,107°78'E	Northwest China	wheat	12.00	0.79	crop rotation	474.5	9.1	Inceptisols	3812
201	Shaanxi	35°20'N,107°78'E	Northwest China	wheat	12.00	0.79	crop rotation	474.5	9.1	Inceptisols	4162
202	Shaanxi	35°20'N,107°78'E	Northwest China	wheat	12.00	0.79	crop rotation	474.5	9.1	Inceptisols	3726
203	Shaanxi	35°20'N,107°78'E	Northwest China	wheat	12.00	0.79	crop rotation	664.5	9.1	Inceptisols	4759
204	Shaanxi	35°20'N,107°78'E	Northwest China	wheat	12.00	0.79	crop rotation	664.5	9.1	Inceptisols	4812
205	Shaanxi	35°20'N,107°78'E	Northwest China	wheat	12.00	0.79	crop rotation	664.5	9.1	Inceptisols	4350
206	Shaanxi	35°20'N,107°78'E	Northwest China	wheat	12.00	0.80	crop rotation	480.5	9.1	Inceptisols	3610
207	Shaanxi	35°20'N,107°78'E	Northwest China	wheat	12.00	0.80	crop rotation	480.5	9.1	Inceptisols	3451
208	Shaanxi	35°20'N,107°78'E	Northwest China	wheat	12.00	0.80	crop rotation	480.5	9.1	Inceptisols	3434
209	Shaanxi	35°20'N,107°78'E	Northwest China	wheat	12.00	0.80	crop rotation	474.5	9.1	Inceptisols	3760
210	Shaanxi	35°20'N,107°78'E	Northwest China	wheat	12.00	0.80	crop rotation	474.5	9.1	Inceptisols	3902
211	Shaanxi	35°20'N,107°78'E	Northwest China	wheat	12.00	0.80	crop rotation	474.5	9.1	Inceptisols	4009
212	Shaanxi	35°20'N,107°78'E	Northwest China	wheat	12.00	0.80	crop rotation	664.5	9.1	Inceptisols	3832
213	Shaanxi	35°20'N,107°78'E	Northwest China	wheat	12.00	0.80	crop rotation	664.5	9.1	Inceptisols	4427
214	Shaanxi	35°20'N,107°78'E	Northwest China	wheat	12.00	0.80	crop rotation	664.5	9.1	Inceptisols	3790
215	Shaanxi	35°20'N,107°78'E	Northwest China	wheat	12.00	0.80	crop rotation	722.2	9.1	Inceptisols	5353
216	Shaanxi	35°20'N,107°78'E	Northwest China	wheat	12.00	0.80	crop rotation	722.2	9.1	Inceptisols	6249
217	Shaanxi	35°20'N,107°78'E	Northwest China	wheat	12.00	0.80	crop rotation	722.2	9.1	Inceptisols	5814
218	Shaanxi	35°20'N,107°78'E	Northwest China	wheat	12.00	0.80	crop rotation	476.8	9.1	Inceptisols	2233
219	Shaanxi	35°20'N,107°78'E	Northwest China	wheat	12.00	0.80	crop rotation	476.8	9.1	Inceptisols	1992
220	Shaanxi	35°20'N,107°78'E	Northwest China	wheat	12.00	0.80	crop rotation	476.8	9.1	Inceptisols	2595
221	Shaanxi	35°20'N,107°78'E	Northwest China	wheat	12.00	0.80	crop rotation	677.9	9.1	Inceptisols	5470
222	Shaanxi	35°20'N,107°78'E	Northwest China	wheat	12.00	0.80	crop rotation	677.9	9.1	Inceptisols	7560

223	Shaanxi	35°20'N,107°78'E	Northwest China	wheat	12.00	0.80	crop rotation	677.9	9.1	Inceptisols	7338	
224	Shaanxi	35°20'N,107°78'E	Northwest China	wheat	12.00	0.80	crop rotation	630.2	9.1	Inceptisols	1666	
225	Shaanxi	35°20'N,107°78'E	Northwest China	wheat	12.00	0.80	crop rotation	630.2	9.1	Inceptisols	1488	
226	Shaanxi	35°20'N,107°78'E	Northwest China	wheat	12.00	0.80	crop rotation	630.2	9.1	Inceptisols	2369	
227	Shaanxi	35°20'N,107°78'E	Northwest China	wheat	12.00	0.80	crop rotation	277.1	9.1	Inceptisols	4743	
228	Shaanxi	35°20'N,107°78'E	Northwest China	wheat	12.00	0.80	crop rotation	277.1	9.1	Inceptisols	2751	
229	Shaanxi	35°20'N,107°78'E	Northwest China	wheat	12.00	0.80	crop rotation	277.1	9.1	Inceptisols	2939	
230	Shaanxi	35°20'N,107°78'E	Northwest China	wheat	12.00	0.80	crop rotation	550.2	9.1	Inceptisols	1569.4	2277
231	Shaanxi	35°20'N,107°78'E	Northwest China	wheat	12.00	0.80	crop rotation	550.2	9.1	Inceptisols	1397.5	2318
232	Shaanxi	35°20'N,107°78'E	Northwest China	wheat	12.00	0.80	crop rotation	550.2	9.1	Inceptisols	1082.9	2119
233	Shaanxi	35°20'N,107°78'E	Northwest China	wheat	12.00	0.80	crop rotation	532.7	9.1	Inceptisols	3401.4	5262
234	Shaanxi	35°20'N,107°78'E	Northwest China	wheat	12.00	0.80	crop rotation	532.7	9.1	Inceptisols	3763.7	5112
235	Shaanxi	35°20'N,107°78'E	Northwest China	wheat	12.00	0.80	crop rotation	532.7	9.1	Inceptisols	3644.3	5039
236	Shaanxi	35°12'N,107°45'E	Northwest China	wheat	12.00	0.79	crop rotation	488	9.1	Inceptisols	2817	5272.73
237	Shaanxi	35°12'N,107°45'E	Northwest China	wheat	12.00	0.79	crop rotation	488	9.1	Inceptisols	2817	5709.09
238	Shaanxi	35°12'N,107°45'E	Northwest China	wheat	12.00	0.79	crop rotation	488	9.1	Inceptisols	2817	5309.09
239	Shaanxi	35°12'N,107°45'E	Northwest China	wheat	12.00	0.79	crop rotation	488	9.1	Inceptisols	2817	5345.45
240	Shaanxi	35°12'N,107°45'E	Northwest China	wheat	12.00	0.79	crop rotation	475	9.1	Inceptisols	2115	4072.73
241	Shaanxi	35°12'N,107°45'E	Northwest China	wheat	12.00	0.79	crop rotation	475	9.1	Inceptisols	2115	4872.73
242	Shaanxi	35°12'N,107°45'E	Northwest China	wheat	12.00	0.79	crop rotation	475	9.1	Inceptisols	2115	3672.73
243	Shaanxi	35°12'N,107°45'E	Northwest China	wheat	12.00	0.79	crop rotation	475	9.1	Inceptisols	2115	4036.36
244	Shaanxi	35°12'N,107°45'E	Northwest China	wheat	12.00	0.79	crop rotation	665	9.1	Inceptisols	2464	4472.73
245	Shaanxi	35°12'N,107°45'E	Northwest China	wheat	12.00	0.79	crop rotation	665	9.1	Inceptisols	2464	5090.91
246	Shaanxi	35°12'N,107°45'E	Northwest China	wheat	12.00	0.79	crop rotation	665	9.1	Inceptisols	2464	4800
247	Shaanxi	35°12'N,107°45'E	Northwest China	wheat	12.00	0.79	crop rotation	665	9.1	Inceptisols	2115	4872.73

248	Hunan	28°28'N,113°21'E	Central and South China	rice	10.40	1.05	crop rotation	1422	17.2	Inceptisols	14690
249	Jiangxi	28°07'N,115°56'E	East China	rice	12.00	3.06	Return to the field	1552.1	17.7	Ultisols	11000
250	Jiangxi	28°07'N,115°56'E	East China	rice	12.00	3.06	Return to the field	1552.1	17.7	Ultisols	10400
251	Jiangxi	28°07'N,115°56'E	East China	rice	12.00	3.06	Return to the field	1552.1	17.7	Ultisols	10100
252	Jiangxi	28°07'N,115°56'E	East China	rice	12.00	3.06	Return to the field	1552.1	17.7	Ultisols	9860
253	Zhejiang	30°3'N,120°2'E	East China	rice	12.00		crop rotation	1400	15	Inceptisols	7500 6835
254	Zhejiang	30°3'N,120°2'E	East China	rice	12.00		crop rotation	1400	15	Inceptisols	7500 8323
255	Zhejiang	30°3'N,120°2'E	East China	rice	12.00		crop rotation	1400	15	Inceptisols	7500 8239
256	Jiangsu	31°17'49"N,119°54'02"E	East China	wheat	12.00		crop rotation	570	16.1	Inceptisols	8506
257	Jiangsu	31°17'49"N,119°54'02"E	East China	wheat	12.00		crop rotation	570	16.1	Inceptisols	8962
258	Jiangsu	31°17'49"N,119°54'02"E	East China	wheat	12.00		crop rotation	570	16.1	Inceptisols	8456
259	Jiangsu	31°17'49"N,119°54'02"E	East China	wheat	12.00		crop rotation	570	16.1	Inceptisols	8658
260	Jiangsu	31°17'49"N,119°54'02"E	East China	wheat	12.00		crop rotation	960	16.1	Inceptisols	9289
261	Jiangsu	31°17'49"N,119°54'02"E	East China	wheat	12.00		crop rotation	960	16.1	Inceptisols	9086
262	Jiangsu	31°17'49"N,119°54'02"E	East China	wheat	12.00		crop rotation	960	16.1	Inceptisols	9391
263	Jiangsu	31°17'49"N,119°54'02"E	East China	wheat	12.00		crop rotation	960	16.1	Inceptisols	8528
264	Hunan	26°45'42"N,111°52'32"E	Central and South China	rice	12.00	1.48	crop rotation	1250	18.3	Ultisols	11658.2
265	Shanghai	31°13'N,121°47'E	East China	rice	12.00	1.03	crop rotation	1022	15.3	Inceptisols	3000 10000
266	Shanghai	31°13'N,121°47'E	East China	rice	12.00	1.03	crop rotation	1022	15.3	Inceptisols	11452
267	Shanghai	31°13'N,121°47'E	East China	rice	12.00	1.03	crop rotation	1022	15.3	Inceptisols	3000 9194
268	Shanghai	31°13'N,121°47'E	East China	rice	12.00	1.03	crop rotation	1022	15.3	Inceptisols	10968
269	Shanghai	31°13'N,121°47'E	East China	rice	12.00	1.03	crop rotation	1022	15.3	Inceptisols	3000 9516
270	Shanghai	31°13'N,121°47'E	East China	rice	12.00	1.03	crop rotation	1022	15.3	Inceptisols	10484
271	Shanghai	31°13'N,121°47'E	East China	rice	12.00	1.03	crop rotation	1022	15.3	Inceptisols	3000 8871
272	Shanghai	31°13'N,121°47'E	East China	rice	12.00	1.03	crop rotation	1022	15.3	Inceptisols	10161

273	Hunan	29°13'03"N,112°28'53"E	Central and South China	rice	12.00	3.28	crop rotation	1237.7	16.6	Inceptisols	14240
274	Hunan	29°13'03"N,112°28'53"E	Central and South China	rice	12.00	3.28	crop rotation	1237.7	16.6	Inceptisols	13600
275	Hunan	29°13'03"N,112°28'53"E	Central and South China	rice	12.00	3.28	crop rotation	1237.7	16.6	Inceptisols	13010
276	Hunan	29°13'03"N,112°28'53"E	Central and South China	rice	12.00	3.28	crop rotation	1237.7	16.6	Inceptisols	12470
277	Hunan	29°13'03"N,112°28'53"E	Central and South China	rice	12.00	3.28	crop rotation	1237.7	16.6	Inceptisols	9490
278	Hunan	29°13'N,112°28'E	Central and South China	rice	12.00	3.28	crop rotation	1293	17.6	Inceptisols	9500
279	Hunan	29°13'N,112°28'E	Central and South China	rice	12.00	3.28	crop rotation	1293	17.6	Inceptisols	13000
280	Shaanxi	35°12'N,107°44'E	Northwest China	wheat	12.00	0.79	crop rotation	664.5	9.1	Inceptisols	4427
281	Shaanxi	35°12'N,107°44'E	Northwest China	wheat	12.00	0.79	crop rotation	664.5	9.1	Inceptisols	3790
282	Shaanxi	35°12'N,107°44'E	Northwest China	wheat	12.00	0.79	crop rotation	664.5	9.1	Inceptisols	3832
283	Shaanxi	35°12'N,107°44'E	Northwest China	wheat	12.00	0.79	crop rotation	476	9.1	Inceptisols	2826
284	Shaanxi	35°12'N,107°44'E	Northwest China	wheat	12.00	0.79	crop rotation	476	9.1	Inceptisols	2912
285	Shaanxi	35°12'N,107°44'E	Northwest China	wheat	12.00	0.79	crop rotation	476	9.1	Inceptisols	2676
286	Shaanxi	35°12'N,107°44'E	Northwest China	wheat	12.00	0.79	crop rotation	700	9.1	Inceptisols	6478
287	Shaanxi	35°12'N,107°44'E	Northwest China	wheat	12.00	0.79	crop rotation	700	9.1	Inceptisols	6576
288	Shaanxi	35°12'N,107°44'E	Northwest China	wheat	12.00	0.79	crop rotation	700	9.1	Inceptisols	5370
289	Shanxi	35°09'N,110°59'E	North China	wheat		0.91	crop rotation	386.8	13.4	Inceptisols	5110
290	Shanxi	35°09'N,110°59'E	North China	wheat		0.91	crop rotation	386.8	13.4	Inceptisols	4810
291	Shaanxi	35°18'N,110°4'E	Northwest China	wheat	12.00		crop rotation	319	10.5	Inceptisols	3470
292	Shaanxi	35°18'N,110°4'E	Northwest China	wheat	12.00		crop rotation	319	10.5	Inceptisols	3170
293	Shaanxi	35°18'N,110°4'E	Northwest China	wheat			crop rotation	244	10.5	Inceptisols	2390
294	Shaanxi	35°18'N,110°4'E	Northwest China	wheat			crop rotation	244	10.5	Inceptisols	3560
295	Shaanxi	35°18'N,110°4'E	Northwest China	wheat			crop rotation	515	10.5	Inceptisols	5740
296	Shaanxi	35°18'N,110°4'E	Northwest China	wheat			crop rotation	515	10.5	Inceptisols	5330
297	Shaanxi	34°74'N,109°10'E	Northwest China	wheat	12.00	0.58	crop rotation	525	12.5	Alfisols	3949.15

298	Shaanxi	34°74'N,109°10'E	Northwest China	wheat	12.00	0.58	crop rotation	525	12.5	Alfisols	3864.41
299	Shaanxi	34°74'N,109°10'E	Northwest China	wheat	12.00	0.58	crop rotation	525	12.5	Alfisols	4881.36
300	Shaanxi	34°74'N,109°10'E	Northwest China	wheat	12.00	0.58	crop rotation	525	12.5	Alfisols	5372.88
301	Gansu	35°17'N,107°30'E	Northwest China	wheat	12.00		crop rotation	540	8	Alfisols	2535.5 9734
302	Shanxi	37°27'N,111°30'E	North China	maize	12.00	0.52	interplanting	472	9.4	Alfisols	13539.75
303	Shanxi	37°27'N,111°30'E	North China	maize	12.00	0.52	interplanting	472	9.4	Alfisols	13883.85
304	Shanxi	37°27'N,111°30'E	North China	maize	12.00	0.52	interplanting	472	9.4	Alfisols	13506.75
305	Shanxi	37°27'N,111°30'E	North China	maize	12.00	0.52	interplanting	472	9.4	Alfisols	13462
306	Shanxi	37°27'N,111°30'E	North China	maize	12.00		Intercropping	535	9.4	Alfisols	10477.5
307	Shanxi	37°27'N,111°30'E	North China	maize	12.00		Intercropping	535	9.4	Alfisols	11475
308	Shanxi	37°27'N,111°30'E	North China	maize	12.00		Intercropping	535	9.4	Alfisols	10944
309	Shanxi	37°27'N,111°30'E	North China	maize	12.00		Intercropping	535	9.4	Alfisols	11373
310	Tianjin	39°21'N,117°10'E	North China	maize	18.80	1.47	crop rotation	586.1	11.6	Alfisols	3401 7860
311	Tianjin	39°21'N,117°10'E	North China	maize	18.80	1.47	crop rotation	586.1	11.6	Alfisols	7800
312	Beijing	39°26'N,115°25'E	North China	maize	12.00	1.26	crop rotation	650	11	Alfisols	3400
313	Hebei	38°30'N,116°83'E	North China	maize			Intercropping	578.5	13	Alfisols	7977
314	Hebei	38°30'N,116°83'E	North China	maize	12.00		Intercropping	578.5	13	Alfisols	8293.5
315	Shaanxi	34°29'N,107°56'E	Northwest China	wheat				525	10.5		5322