

Eco-Efficiency Analysis to Improve Environmental Performance of Wheat Production

Table S1. The farm input and output data (quantity per ha-annual) for DEA matrix for 169 wheat farms.

DMU#	Input											Output
	Labour (h)	Machinery (h)	Diesel (L)	Water (m ³)	Electricity (kWh)	Biocides (kg)	Urea (kg)	P ₂ O ₅ (kg)	K ₂ O (kg)	FYM* (t)	Seed (kg)	Wheat ^b (kg)
1	101	36	206.8	4304	160	3	100	100	50	0	220	3000
2	83.5	39	170	2672	240	5	50	100	0	10	200	4000
3	104	46	195.1	4712	153	3	100	150	50	0	200	5000
4	85	50	199.1	2672	100	5	100	100	25	0	190	3000
5	76.5	45	178.9	4355	232.4	4	150	150	50	0	200	4500
6	125	49	198.9	3898	250	4	150	100	25	10	210	4000
7	109.5	41	179.3	4712	150	5	150	150	50	5	200	4500
8	82	43	177.6	2672	206.4	4	100	100	0	0	220	5000
9	54.5	43	165.2	2927	300	5	150	150	75	0	200	4500
10	150	30	183.5	4712	365	4	200	100	50	10	220	3000
11	83.5	39	170	2672	190	5	150	50	75	0	200	4000
12	50.5	50	199.1	2672	206.4	5	100	100	0	0	220	3000
13	125	49	198.9	3898	150	4	150	150	50	10	220	4000
14	90	43	177.6	2672	150	4	200	50	0	0	200	5000
15	201	36	206.8	4304	200	3	100	100	50	0	220	3000
16	104	46	195.1	4712	240	3	200	150	50	0	210	5000
17	76.5	45	178.9	4355	150	4	150	100	0	0	200	4500
18	109.5	41	179.3	4712	323.6	5	100	50	50	10	200	3000
19	54.5	43	165.2	2927	170	5	100	100	100	0	210	4500
20	150	30	183.5	4712	338.2	4	200	100	75	5	200	4000
21	231	30	187.7	4400	150	3.5	150	50	0	12	220	4000
22	166	27	169.5	4100	241	5	0	100	50	20	200	3000
23	170	28	181.5	4712	150	2.5	200	150	25	0	200	5300
24	144.5	17	137.6	3590	280	3	150	50	50	0	220	3500
25	176.5	16	144	2264	120	3	150	150	75	0	200	4000
26	178.5	15	135.6	3080	160	6	100	50	0	0	200	5000
27	156	16	143.2	3896	310	3	200	50	0	5	220	3500
28	190.5	43	200.7	2120	270	5	150	100	50	6	220	5000
29	231	30	187.7	4400	310	3.5	150	50	75	12	210	4000
30	170	28	181.5	4712	206.4	2.5	200	50	50	0	200	3000
31	176.5	16	144	2264	118.5	3	150	150	0	0	200	4000
32	256	16	143.2	3896	150	3	50	50	50	20	220	3500
33	266	27	169.5	4100	260	5	75	100	0	0	200	3000
34	144.5	17	137.6	3590	150	3	150	50	50	0	220	5500
35	178.5	15	135.6	3080	160	8	100	50	0	0	200	3500
36	119	43	200.7	2120	170	5	150	100	50	6	220	5000
37	185.5	12	139.2	3080	210	1	100	50	0	0	200	4000
38	160	12	139.2	4712	250.3	3	100	50	0	0	230	3500

39	182.5	14	141.2	2264	187	3	50	100	50	12	220	3000
40	185.5	12	139.2	3080	310	2	100	50	50	0	200	4000
41	130	12	139.2	4712	230	3	100	50	100	0	210	3500
42	182.5	14	141.2	2264	180	3	50	100	50	0	200	3000
43	163	19	150.5	2060	338.2	4	200	100	0	0	240	4000
44	144	12	139.2	6140	150	3	100	50	0	0	220	3500
45	237	16	147.5	2120	170	5	50	50	25	0	200	1500
46	79.5	50	208	2672	370	4	0	50	0	10	200	5000
47	190.5	17	137.6	2120	260	2.5	100	100	50	0	210	2000
48	159	19	150.5	2060	145	3	150	150	0	0	210	4000
49	137	16	147.5	2120	382.2	5	50	50	50	0	200	1500
50	180	17	137.6	2120	160	2.5	100	100	50	0	220	2000
51	143	12	139.2	6140	190	1	50	100	0	0	230	3500
52	79.5	50	208	2672	214	4	0	50	50	15	200	5000
53	237	16	147.5	2120	139	5	50	50	75	0	210	1500
54	167	17	137.6	2120	265	2.5	100	100	50	0	200	2000
55	70	24	142.7	2315	190	3	100	50	0	0	200	6000
56	89	29	152	2840	150	5	50	100	100	8	210	3500
57	67	25	139.3	2888	170	2.5	150	100	0	0	200	5350
58	80	32	151.5	3845	140	1	50	50	50	10	200	5000
59	158.5	21	150.5	2120	180	3.5	100	100	25	20	210	2500
60	165.5	15	137.5	2120	190	2.5	150	50	0	0	200	2000
61	171	20	149.5	2970	210	2	50	100	50	10	240	4000
62	194	31	193.2	2360	220	3	150	50	25	12	200	2150
63	153	17	140.9	4760	190	5	200	50	0	0	200	5000
64	188	15	142.2	2520	265	2.5	50	150	25	16	210	3200
65	116	20	155.9	5120	150	3	150	100	0	0	200	4000
66	150	13	135.8	2672	170	3	100	0	50	0	210	3000
67	185	28	155.4	2120	350	1.5	100	100	75	0	200	5000
68	195	12	139.2	3080	167.3	2	150	100	0	5	220	1600
69	89	24	142.7	2315	140	3	200	75	50	0	200	4000
70	64	25	139.3	2888	232.4	2.5	100	100	0	0	210	3600
71	158.5	21	150.5	2120	157	3.5	100	100	25	10	200	2500
72	171	20	149.5	2970	279	2	50	50	50	5	220	4000
73	189.5	17	140.9	4760	157	5	200	50	50	0	200	5500
74	116	20	155.9	5120	124	3	150	100	0	20	200	5000
75	185	28	155.4	2120	150	1.5	200	75	0	0	200	4500
76	66	29	152	2840	160	4	50	100	75	15	220	3500
77	85	32	151.5	3845	199	2	50	200	50	12	200	5000
78	165.5	15	137.5	2120	114	2.5	200	150	0	0	200	2000
79	120	31	193.2	2360	145	3	150	100	75	12	200	2100
80	179	15	142.2	2520	340	2.5	50	150	50	16	220	3000
81	186	13	135.8	2672	279	3	130	0	0	0	200	3100
82	165	12	139.2	3080	284	1	120	100	25	0	220	1600
83	110	28	181.5	2672	167	3	100	50	50	4	200	2500
84	87	43	195.7	3896	110	2	150	50	0	0	220	2000
85	155	30	187.7	3896	150	2	100	50	50	0	220	3500
86	125	36	206	3284	140	3	100	50	0	0	200	3000
87	175	22	166.5	2060	220	2.5	75	50	50	10	210	2500
88	119	34	200.5	3536	280	2.5	150	100	50	0	220	3000
89	170	32	202.8	4702	165	1	200	100	0	0	200	2500
90	140	32	198.5	4702	114	2.5	200	50	50	0	210	3500
91	77	48	207.3	5528	187	2	75	150	0	0	200	2500
92	60.5	52	204.2	4355	120	2	200	100	0	0	200	2000
93	87	55	230.7	2978	170	2.5	150	150	100	10	210	2500
94	166	34	204.8	4702	190	2	200	150	50	0	200	2500
95	174	32	202.8	3998	140	1	120	100	50	0	220	2000
96	138	34	204.8	4702	110	2.5	150	100	0	0	210	2500
97	90	44	194.5	3896	300	1	150	50	50	0	210	2500

98	183	28	181.5	2672	200	3	110	50	25	0	200	3000
99	130	30	187.7	3896	210	2	100	50	50	15	220	3500
100	140	22	166.5	2060	300	2.5	100	50	0	0	200	2500
101	180	32	202.8	4702	150	1	200	100	0	0	220	2000
102	77	48	207.3	5528	150	3	150	150	50	0	210	2500
103	87	55	230.7	2978	300	2.5	150	150	25	0	200	3000
104	174	32	202.8	3998	250	1	200	100	0	0	200	2500
105	100	44	194.5	3896	240	1	150	50	50	0	200	2000
106	120	43	195.7	3896	300	2	150	50	50	20	220	2000
107	134	36	206	3284	180	3	130	50	50	0	200	3000
108	191	34	200.5	3536	200	2.5	150	100	0	0	200	3000
109	160	32	198.5	4702	290	2.5	100	50	50	5	210	3500
110	75	52	204.2	4355	120	2	120	100	75	0	220	2500
111	173	34	204.8	4702	240	2	75	150	50	0	200	2000
112	115	34	204.8	4702	350	2.5	75	100	25	0	200	2500
113	120	14	145.5	6590	210	1	100	0	0	20	240	5000
114	181	18	149.5	2060	390	2	100	50	50	0	200	3500
115	145	14	141	5120	290	2	140	100	50	10	220	5300
116	180	18	149.5	2570	105	3	100	0	0	0	200	4000
117	150	18	149.5	2570	300	2	100	50	25	0	210	3500
118	165	17	148.5	2570	180	3	150	0	0	15	200	4000
119	170	17	148.5	3080	130	3	200	0	0	0	220	3000
120	162	26	161	3080	160	7	200	50	0	15	200	6000
121	100	21	161	3590	165	3	150	50	50	0	200	6500
122	142	19	154	3080	140	3.5	200	0	0	0	220	5000
123	128	14	145.5	6590	275	2	100	50	50	20	240	4000
124	116	14	141	5120	330	3	150	100	75	0	220	5300
125	140	18	149.5	2570	177	2	100	0	0	0	210	4000
126	109	17	148.5	3080	140	3	200	0	25	0	200	6000
127	103	21	161	3590	267	3	150	50	0	0	220	5500
128	181	18	149.5	2060	192	2	100	50	50	0	200	3500
129	108	18	149.5	2570	130	3	100	0	0	20	210	4500
130	181	17	148.5	2570	300	3	150	50	25	0	220	3500
131	155	26	161	3080	270	7	200	50	0	0	200	5000
132	170	19	154	3080	300	3	200	0	50	20	200	4000
133	67	39	172	2070	359	5.5	150	100	75	0	210	5500
134	160	26	174	3990	240	4	140	150	0	0	200	3500
135	116	26	170.4	2672	110	4.5	200	100	25	15	200	3000
136	84	40	170	3998	200	4	150	50	50	0	220	6000
137	71	42	179	2672	320	5	200	100	0	0	200	4000
138	76.5	38	169.2	3998	140	2.5	175	150	25	10	220	5000
139	90	39	172	2070	155	5.5	150	100	50	0	210	3500
140	106	26	170	2672	120	4.5	200	100	25	5	200	5000
141	71	42	179.1	2672	240	5	200	50	0	0	200	4000
142	112	26	174	3990	320	4	175	150	25	0	200	5500
143	75	40	170.5	3998	150	4	120	100	0	0	220	6000
144	76.5	38	169	3998	200	2.5	100	50	50	20	200	3000
145	142	22	164.5	3080	137	2	200	150	25	0	220	4000
146	115.5	40	182	5120	190	3	150	100	0	0	210	3500
147	113	22	164.5	3080	289	2	200	150	50	0	220	4000
148	120	40	182	5120	220	4	150	50	0	0	210	5000
149	136	22	164.5	3080	130	2	200	150	75	10	220	2000
150	115.5	40	182	5120	120	2	120	50	50	0	210	4000
151	124.5	24	168.5	2000	198	3	100	50	0	5	200	2000
152	60.5	42	178	6392	345	4	150	50	0	0	210	3600
153	124.5	24	168.5	2000	244	3	100	100	50	0	200	2000
154	60.5	42	178.1	6392	130	3	150	50	0	10	220	4000
155	124.5	24	168.5	2000	135	4	100	50	50	0	210	2000
156	60.5	42	178	6392	240	3	120	100	0	0	220	3500

157	120	24	159	2672	140	4	0	50	50	15	240	5000
158	83	36	163.2	4100	200	3	150	100	0	0	210	3000
159	118	26	166	2264	209	4	50	50	25	14	220	4500
160	140	24	159	2672	250	4	50	50	50	20	240	5000
161	69	36	164.7	4100	248	3	150	100	0	0	200	4000
162	118	26	166.2	2264	130	4	50	50	50	12	240	6000
163	122	24	159	2672	110	4	75	0	50	10	220	3000
164	69	36	164.5	4100	330	3	120	100	0	5	200	3500
165	84	26	166	2264	220	4	100	50	50	0	240	4000
166	62.5	54	184	4650	210	2	50	0	50	15	200	2500
167	73	38	168.2	4700	160	3	75	0	25	0	220	3000
168	80	54	186.5	4800	350	2	50	50	0	10	210	2000
169	62.5	54	184	4700	190	3	100	50	50	0	220	2500
Mean	131.7	29.0	168.6	3494.7	208.9	3.2	125.8	79.3	31.2	4.2	209.6	3637

^a FYM: Farmyard manure.

^b It refers to clean wheat grains with 87% dry matter. The average of wheat grains is 3637 kg ha⁻¹, with the crop residues of 2519 kg ha⁻¹ (both above and below ground residues) where 86% of the total biomass is harvested.

Table S2. Technical efficiency (TE) and operational reduction (%) of inputs for the inefficient wheat fields.

DMU#	TE	Operational reduction (%)										
		Labour	Machinery	Diesel	Water	Electricity	Biocides	Urea	P ₂ O ₅	K ₂ O	FYM	Seed
1	0.55	18.3	15.2	18.0	20.9	0.0	0.0	0.0	22.4	50.7	0	17.9
2	0.81	16.8	15.3	8.1	14.1	0.0	31.2	0.0	44.7	0.0	4.9	17.4
3	0.93	33.5	39.6	27.5	39.0	0.0	0.0	0.0	55.1	84.7	0	14.6
4	0.73	22.6	41.0	32.4	4.2	0.0	36.6	0.0	40.0	56.7	0	32.7
5	0.74	0.0	35.4	13.3	29.8	15.2	18.5	19.2	49.1	57.7	0	0.0
6	0.61	15.9	31.4	12.0	12.5	15.7	10.3	6.4	29.0	0.0	5.72	0.0
7	0.73	4.7	37.6	10.2	23.3	0.0	28.6	0.0	56.5	12.4	2.67	0.0
8	0.83	4.3	36.6	14.0	0.0	3.8	21.5	0.0	37.0	0.0	0	8.9
9	0.96	0.0	54.5	31.5	37.0	48.8	51.4	46.3	71.3	96.3	0	42.7
10	0.42	11.3	9.2	1.8	7.8	21.1	6.0	7.8	19.0	0.0	4.03	0.0
11	0.65	4.0	26.5	8.5	0.0	2.4	26.0	15.6	0.0	53.0	0	0.0
12	0.69	0.0	45.3	33.5	26.0	23.3	39.4	19.3	44.3	0.0	0	52.5
13	0.63	5.7	35.1	11.2	12.6	0.0	9.0	0.0	50.5	11.9	4.06	0.0
14	0.96	0.6	38.9	19.0	0.0	0.0	22.0	48.4	0.0	0.0	0	6.9
15	0.50	29.5	16.5	13.7	16.9	0.0	1.0	0.0	20.9	49.6	0	3.1
16	0.76	0.0	38.0	11.6	18.1	18.1	0.0	17.1	44.3	6.1	0	0.0
17	0.80	8.3	21.1	12.3	19.5	0.0	10.5	23.2	15.7	0.0	0	0.0
18	0.50	9.4	14.1	2.5	17.0	18.2	17.2	0.0	0.0	16.4	3.32	0.0
19	0.96	0.0	54.5	31.5	37.0	12.5	51.4	21.3	58.8	96.3	0	52.3
20	0.62	20.5	18.5	7.5	14.7	31.5	15.5	15.4	30.8	20.5	3.08	0.0
21	0.73	34.3	11.9	9.8	13.0	0.0	0.0	0.0	0.0	0.0	5.73	0.0
22	0.69	29.3	0.0	7.9	29.7	23.7	20.8	0.0	38.8	17.0	5.17	0.0
23	0.94	22.6	21.5	14.6	35.9	0.0	0.0	8.5	69.1	0.0	0	1.7
24	0.63	22.9	0.0	0.0	9.5	31.0	7.3	0.0	27.1	17.2	0	26.8
25	0.85	47.5	6.6	16.8	0.0	0.0	18.3	7.4	79.2	68.4	0	36.5
27	0.70	3.3	0.0	0.0	0.4	25.9	0.0	34.0	15.9	0.0	0	4.1
28	0.89	46.9	28.9	18.7	0.0	20.1	14.0	36.9	31.4	0.0	0	3.8
29	0.60	33.1	13.1	5.8	10.5	25.2	5.1	0.0	0.0	22.1	6.81	0.0
30	0.51	14.6	16.9	7.3	13.5	7.5	0.0	16.0	0.0	12.8	0	0.0
31	0.98	41.4	0.0	16.3	0.0	0.0	11.3	11.4	91.3	0.0	0	29.7
32	0.81	45.2	0.0	7.3	1.8	0.0	9.3	0.0	40.0	50.8	5.75	13.5
33	0.64	41.3	21.3	13.7	7.0	19.9	37.6	0.0	21.5	0.0	0	0.0

34	0.99	36.0	0.0	0.0	15.0	5.1	11.3	0.0	42.6	27.0	0	42.0
35	0.70	0.0	0.0	0.0	0.0	0.0	17.5	0.0	0.0	0.0	0	0.0
36	0.90	22.3	36.6	22.9	0.0	0.0	24.4	44.6	41.8	27.8	0	9.6
38	0.88	0.0	0.0	11.1	37.2	30.1	0.0	10.1	10.1	0.0	0	46.7
39	0.79	36.6	0.0	19.9	0.0	33.8	0.0	0.0	55.8	52.5	4.51	49.6
40	0.98	11.3	0.0	6.7	0.8	36.0	0.0	0.0	0.0	84.3	0	11.3
41	0.85	0.0	0.0	13.9	30.7	19.0	0.0	0.0	0.0	68.7	0	33.7
42	0.96	65.3	13.8	37.4	0.0	34.2	51.7	0.0	56.3	96.4	0	68.6
43	0.81	44.3	0.0	16.8	0.0	43.7	21.3	47.0	47.0	0.0	0	57.9
44	0.91	0.0	0.0	15.8	53.6	0.0	0.0	10.5	20.5	0.0	0	48.3
45	0.48	37.0	12.1	20.7	0.0	16.1	34.8	0.0	10.2	48.4	0	36.3
47	0.42	26.8	0.0	7.0	0.0	20.0	0.0	0.0	29.0	34.2	0	22.3
48	0.85	42.5	0.0	16.0	0.0	0.0	12.0	31.2	67.2	0.0	0	33.4
49	0.48	28.7	12.1	20.7	0.0	34.1	34.8	0.0	10.2	48.4	0	36.3
50	0.42	25.9	0.0	7.0	0.0	6.0	0.0	0.0	29.0	34.2	0	26.6
53	0.48	37.0	12.1	20.7	0.0	8.9	34.8	0.0	10.2	48.4	0	41.1
54	0.42	24.7	0.0	7.0	0.0	20.4	0.0	0.0	29.0	34.2	0	18.1
56	0.66	0.0	6.6	0.8	15.0	0.0	21.6	0.0	35.7	46.0	0	4.4
59	0.47	27.5	0.0	7.0	0.0	3.5	10.9	1.9	27.3	43.6	9.32	14.5
60	0.48	19.7	0.0	9.3	0.0	10.3	0.0	22.7	10.0	0.0	0	20.0
61	0.90	39.6	0.0	11.9	0.0	34.6	0.0	0.0	59.4	35.6	0	46.6
62	0.36	22.6	8.2	9.2	0.0	5.0	0.0	11.5	0.0	33.2	4.29	0.0
63	0.96	0.1	0.0	2.3	37.8	10.2	0.0	48.2	0.0	0.0	0	0.0
64	0.81	41.7	0.0	17.8	0.0	47.0	0.0	0.0	66.7	14.1	5.86	35.3
65	0.80	12.6	0.0	9.9	40.5	0.0	0.0	6.2	60.7	0.0	0	5.7
66	0.86	26.8	0.0	16.5	20.8	32.8	30.3	0.0	0.0	75.0	0	51.8
68	0.41	11.9	0.0	6.0	0.0	0.0	0.0	17.7	26.6	0.0	0.85	18.0
69	0.78	10.5	21.5	10.0	0.0	0.0	11.3	27.5	56.7	60.8	0	22.9
70	0.70	0.0	10.3	6.4	13.8	20.4	0.0	0.0	29.3	0.0	0	21.3
71	0.47	25.6	0.0	6.2	0.0	0.0	9.4	4.1	28.0	30.7	3.96	7.9
72	0.92	44.5	0.0	13.5	0.0	44.1	0.0	0.0	0.0	56.0	0	32.3
73	0.96	45.7	0.0	0.0	38.6	10.9	41.2	10.0	85.2	55.8	0	9.0
76	0.74	0.0	0.0	4.6	12.5	0.0	27.0	0.0	41.9	50.9	6.63	34.1
77	0.98	2.1	6.3	0.0	18.4	25.1	0.0	0.0	74.3	17.7	2.84	0.0
78	0.51	23.2	0.0	9.8	0.0	0.0	0.0	18.9	47.7	0.0	0	21.4
79	0.38	6.5	11.5	9.7	0.0	0.0	0.0	8.9	24.5	27.2	3.24	0.0
80	0.76	37.3	0.0	16.7	0.0	51.0	0.0	0.0	62.6	44.5	5.49	40.7
81	0.92	43.7	0.0	20.5	20.4	59.5	21.7	0.0	0.0	0.0	0	45.5
82	0.43	0.0	0.0	3.3	3.9	13.4	0.0	9.1	21.5	39.6	0	15.4
83	0.42	9.9	6.7	7.6	0.0	0.0	0.0	0.0	1.2	21.5	0.65	0.0
84	0.53	0.0	26.7	22.9	25.7	0.0	0.0	17.6	0.0	0.0	0	38.8
85	0.75	28.1	35.8	23.8	12.6	0.0	0.0	0.0	0.0	39.2	0	35.1
86	0.60	15.0	17.6	19.3	11.1	0.0	0.0	0.0	0.0	0.0	0	7.0
87	0.50	26.5	0.0	11.1	0.0	11.7	0.0	0.0	1.4	30.3	3.65	14.8
88	0.50	0.0	9.4	9.6	7.0	6.2	0.0	0.8	0.0	15.6	0	0.5
89	0.70	4.1	37.6	26.8	34.1	0.0	0.0	30.1	34.8	0.0	0	19.0
90	0.72	26.2	40.7	28.0	33.4	0.0	1.6	13.3	71.6	42.5	0	33.8
91	0.57	0.0	36.4	24.2	26.6	8.5	0.0	0.0	35.0	0.0	0	13.6
92	0.50	0.0	30.0	23.5	24.5	0.0	0.0	22.8	14.4	0.0	0	25.1
93	0.43	0.0	22.8	14.6	0.0	0.0	0.0	10.1	30.9	34.3	3.08	1.5
94	0.48	6.6	24.2	12.7	14.0	0.0	0.0	17.9	31.4	22.8	0	0.0
95	0.60	9.9	29.7	25.5	29.4	0.0	0.0	0.0	30.0	59.3	0	37.5
96	0.60	28.0	12.0	24.4	26.9	0.0	0.0	19.4	18.7	0.0	0	31.5
97	0.86	0.0	57.5	48.2	56.6	37.6	0.0	50.9	0.0	22.9	0	86.2
98	0.49	28.8	8.1	9.5	1.9	3.7	0.0	0.0	0.0	29.5	0	0.0
99	0.58	15.2	0.0	6.3	0.0	11.8	0.0	0.0	0.0	4.4	4.99	0.0
100	0.48	22.0	0.6	10.9	0.0	21.5	0.0	0.0	2.5	0.0	0	10.2
101	0.58	9.1	29.6	23.7	31.2	0.0	0.0	23.7	29.0	0.0	0	32.6
102	0.44	0.0	21.2	13.5	19.5	0.0	0.0	9.9	26.8	26.2	0	10.4

103	0.54	0.0	29.9	19.9	0.4	20.1	0.0	2.0	21.9	12.9	0	0.0
104	0.65	0.0	40.7	22.2	17.1	13.0	0.0	33.3	32.8	0.0	0	5.6
105	0.66	0.0	44.3	35.3	41.3	17.5	0.0	38.0	0.0	18.4	0	54.6
106	0.33	7.2	9.8	4.8	0.0	14.7	0.0	11.3	0.0	2.7	4.46	0.0
107	0.48	16.3	18.3	12.1	3.0	1.3	0.0	0.0	0.0	19.0	0	0.0
108	0.55	25.0	17.4	15.3	17.8	3.8	0.0	12.2	25.0	0.0	0	0.0
109	0.58	28.1	8.9	12.6	19.4	22.5	0.0	0.0	0.0	30.4	1.01	0.0
110	0.56	0.0	40.6	25.3	24.0	0.0	0.0	7.7	35.5	33.0	0	43.9
111	0.43	18.5	20.0	14.9	9.7	9.8	0.0	0.0	23.4	40.5	0	0.0
112	0.53	9.7	25.1	18.6	11.9	26.0	9.6	0.0	17.9	53.3	0	0.0
114	0.77	36.5	0.0	15.4	0.0	42.1	0.0	0.0	14.2	48.7	0	28.4
117	0.71	13.7	0.0	6.1	0.0	24.9	0.0	0.0	2.6	60.8	0	12.4
118	0.92	29.1	0.0	5.4	0.0	28.7	1.0	11.6	0.0	0.0	3.97	2.1
119	0.68	17.0	0.0	4.8	7.9	0.2	0.0	10.2	0.0	0.0	0	15.7
123	0.80	5.0	0.0	0.0	0.0	18.9	40.0	0.0	80.0	80.0	0	0.0
127	0.99	0.0	0.0	11.6	28.6	28.2	0.0	32.3	0.0	0.0	0	18.6
128	0.77	36.5	0.0	15.4	0.0	6.0	0.0	0.0	14.2	48.7	0	28.4
130	0.65	32.7	0.0	7.5	0.0	35.0	4.0	0.0	46.0	26.0	0	26.4
131	0.83	45.7	6.4	9.5	20.7	24.7	47.6	41.7	0.0	0.0	0	0.0
132	0.67	23.9	7.0	2.4	0.0	35.6	0.0	0.0	0.0	33.3	13.33	0.0
134	0.58	32.8	4.5	10.5	24.5	12.2	14.5	16.7	38.9	0.0	0	0.0
135	0.62	11.0	19.2	14.1	0.0	0.0	22.7	30.3	38.9	0.0	4.21	11.7
136	0.90	0.0	32.6	5.6	27.8	0.0	15.5	14.5	0.0	77.7	0	0.0
137	0.67	0.9	28.6	13.5	8.9	27.1	26.6	33.3	33.3	0.0	0	0.0
138	0.93	0.0	13.1	8.7	7.2	0.0	0.0	44.8	50.7	0.0	5.6	19.3
139	0.69	19.3	34.3	19.9	0.0	0.0	36.7	23.7	44.0	64.1	0	27.4
140	0.96	7.6	34.3	20.5	0.0	0.0	36.0	26.4	81.7	0.0	1.58	16.7
141	0.67	0.9	28.6	13.5	8.9	13.9	26.6	33.3	0.0	0.0	0	0.0
142	0.88	21.2	11.8	11.2	22.9	39.2	22.0	25.1	58.7	0.0	0	0.0
144	0.52	0.0	16.8	6.6	14.6	6.7	0.0	3.0	0.0	31.8	9.03	0.0
145	0.83	12.4	3.8	13.7	15.0	0.0	0.0	20.7	53.3	5.5	0	38.6
146	0.58	13.4	19.2	9.4	29.5	0.0	0.0	11.9	23.7	0.0	0	0.0
147	0.80	0.0	0.0	10.9	5.3	24.0	0.0	27.3	33.6	66.7	0	14.8
148	0.80	29.1	30.4	14.2	41.8	8.6	17.0	21.9	0.0	0.0	0	0.0
149	0.39	12.1	0.8	6.1	0.0	0.0	0.0	13.3	33.5	22.9	2.51	13.6
150	0.89	22.1	51.8	30.9	46.3	0.0	0.0	1.1	16.4	36.1	0	54.8
151	0.39	19.8	5.3	10.4	0.0	6.6	5.3	5.3	5.3	0.0	1.93	10.5
152	0.69	0.0	35.1	21.3	47.7	36.4	24.5	29.4	9.4	0.0	0	25.8
153	0.38	19.6	1.2	8.8	0.0	8.3	0.0	1.9	18.8	30.1	0	8.7
154	0.88	0.0	39.1	27.9	55.1	0.0	9.7	38.2	0.0	0.0	6.95	48.9
155	0.43	21.1	12.7	14.4	0.0	0.0	18.3	0.0	18.8	36.6	0	24.0
156	0.67	0.0	34.2	20.7	46.4	21.3	9.0	18.9	38.3	0.0	0	31.8
158	0.49	0.0	15.4	4.2	19.4	0.1	0.0	13.7	22.8	0.0	0	0.0
159	0.84	18.9	0.0	7.2	0.0	15.8	12.0	0.0	4.8	0.0	5.38	9.7
160	0.88	11.8	0.0	0.0	6.6	41.0	0.0	0.0	4.5	12.0	7.66	6.9
161	0.68	0.0	23.2	9.6	30.0	16.6	1.0	23.2	34.3	0.0	0	1.9
163	0.90	16.3	42.0	26.9	0.0	1.1	48.3	0.0	0.0	89.8	0	53.0
164	0.59	0.0	20.3	8.4	26.2	25.6	1.0	10.6	30.0	0.0	2.96	1.7
165	0.68	12.5	5.7	10.5	0.0	9.4	17.3	0.7	0.0	66.1	0	29.8
168	0.48	0.0	26.9	12.1	11.0	18.1	0.0	0.0	23.8	0.0	0	14.9
169	0.47	0.0	28.1	14.4	0.0	0.0	0.0	5.0	5.0	46.7	0	19.3
Mean	0.73	16.52	15.70	13.55	13.26	12.99	9.88	11.23	25.95	24.49	1.28	17.7