

E141 Master Treatment List

Column descriptions

Plot: plot number

Ring: Ring number

CO2 Treatment: +C is 560 ppm; =C is ambient or 368ppm

N treatment: +N is amended 4g/m2/yr; =N is ambient level

Species count: # of species planted in plot, not necessarily the # present

Group count: number of functional groups in plot

Experiment: M=main (296 plots, completely random species assignments), S=sub (additional 59 plots more restricted species assignments)

Monospecies: species in monoculture

Monogroup: if plot only has 1 functional group, it is this one

Latin name: presence/absence in plots as planted, does not necessarily mean it is present

Functional Group: presence/absence of fn group as planted, does not necessarily mean it is present

Plot	Ring	CO2 treatment	N treatment	Species count	Group count	Experiment	monospecies	Monogroup	Achillea millefolium	Agropyron repens	Amorpha canescens	Andropogon gerardi	Anemone cylindrica
1	1	+C	=N	4	2	M			1	0	0	0	0
2	1	+C	=N	1	1	M	<i>Bouteloua gracilis</i>	C-4	0	0	0	0	0
3	1	+C	+N	4	1	S		Legume	0	0	1	0	0
4	1	+C	=N	4	3	M			0	0	0	0	1
5	1	+C	=N	1	1	M	<i>Asclepias tuberosa</i>	Forb	0	0	0	0	0
6	1	+C	=N	4	1	S		C-4	0	0	0	1	0
7	1	+C	=N	9	4	M			0	1	1	0	1
8	1	+C	+N	1	1	M	<i>Schizachyrium scoparium</i>	C-4	0	0	0	0	0
9	1	+C	=N	4	1	S		C-3	0	1	0	0	0
10	1	+C	+N	4	3	M			1	0	0	0	1
11	1	+C	+N	9	4	M			1	0	0	0	0
12	1	+C	+N	9	4	M			1	0	0	1	0
13	1	+C	+N	16	4	M			1	1	1	1	1
14	1	+C	=N	4	4	S			0	0	0	0	1
15	1	+C	=N	4	3	M			0	1	0	0	1
16	1	+C	=N	9	4	M			1	1	0	0	1
17	1	+C	=N	9	4	M			0	1	1	1	1

18	1	+C	+N	1	1	M	Amorpha canescens	Legume	0	0	1	0	0
19	1	+C	=N	4	3	M			0	0	0	0	0
20	1	+C	+N	4	1	S		Forb	1	0	0	0	1
21	1	+C	+N	9	4	M			0	1	1	1	0
22	1	+C	+N	1	1	M	Bromus inermis	C-3	0	0	0	0	0
23	1	+C	=N	16	4	M			1	1	1	1	1
24	1	+C	=N	1	1	M	Agropyron repens	C-3	0	1	0	0	0
25	1	+C	+N	0	0	M			0	0	0	0	0
26	1	+C	=N	9	4	M			1	1	1	0	0
27	1	+C	=N	4	1	S		Forb	1	0	0	0	1
28	1	+C	=N	4	2	M			0	1	0	0	0
29	1	+C	+N	4	2	M			0	0	1	0	1
30	1	+C	+N	16	4	M			1	1	1	1	1
31	1	+C	+N	1	1	M	Asclepias tuberosa	Forb	0	0	0	0	0
32	1	+C	+N	1	1	M	Bouteloua gracilis	C-4	0	0	0	0	0
33	1	+C	=N	16	4	M			1	1	1	1	1
34	1	+C	+N	9	4	M			1	1	1	1	1
35	1	+C	=N	1	1	M	Lespedeza capitata	Legume	0	0	0	0	0
36	1	+C	+N	1	1	M	Agropyron repens	C-3	0	1	0	0	0
37	1	+C	+N	1	1	M	Petalostemum villosum	Legume	0	0	0	0	0
38	1	+C	+N	4	2	M			0	0	0	1	0
39	1	+C	=N	1	1	M	Bromus inermis	C-3	0	0	0	0	0
40	1	+C	=N	1	1	M	Poa pratensis	C-3	0	0	0	0	0
41	1	+C	+N	4	1	S		C-3	0	1	0	0	0
42	1	+C	=N	1	1	M	Solidago rigida	Forb	0	0	0	0	0
43	1	+C	+N	16	4	M			1	1	1	1	1
44	1	+C	+N	4	3	M			0	0	0	0	0
45	1	+C	=N	16	4	M			1	1	1	1	1
46	1	+C	=N	1	1	M	Anemone cylindrica	Forb	0	0	0	0	1
47	1	+C	+N	1	1	M	Koeleria cristata	C-3	0	0	0	0	0
48	1	+C	=N	9	4	M			1	1	1	0	0
49	1	+C	+N	1	1	M	Achillea millefolium	Forb	1	0	0	0	0
50	1	+C	+N	9	4	M			0	0	0	1	1
51	1	+C	=N	16	4	M			1	1	1	1	1

52	1	+C	+N	16	4	M			1	1	1	1	1
53	1	+C	+N	1	1	M	Solidago rigida	Forb	0	0	0	0	0
54	1	+C	+N	4	1	S		C-4	0	0	0	1	0
55	1	+C	=N	1	1	M	Lupinus perennis	Legume	0	0	0	0	0
56	1	+C	=N	4	1	S		Legume	0	0	1	0	0
57	1	+C	=N	1	1	M	Schizachyrium scoparium	C-4	0	0	0	0	0
58	1	+C	+N	4	3	M			0	1	0	0	0
59	1	+C	+N	4	4	S			0	0	0	0	0
60	1	+C	+N	1	1	M	Andropogon gerardi	C-4	0	0	0	1	0
61	1	+C	=N	0	0	M			0	0	0	0	0
62	2	=C	=N	4	4	S			0	0	1	0	0
63	2	=C	=N	4	3	M			0	0	0	0	0
64	2	=C	+N	16	4	M			1	1	1	1	1
65	2	=C	+N	9	4	M			1	1	1	0	0
66	2	=C	+N	9	4	M			0	0	0	0	1
67	2	=C	=N	16	4	M			1	1	1	1	1
68	2	=C	+N	1	1	M	Schizachyrium scoparium	C-4	0	0	0	0	0
69	2	=C	=N	16	4	M			1	1	1	1	1
70	2	=C	=N	1	1	M	Andropogon gerardi	C-4	0	0	0	1	0
71	2	=C	+N	1	1	M	Sorghastrum nutans	C-4	0	0	0	0	0
72	2	=C	+N	1	1	M	Petalostemum villosum	Legume	0	0	0	0	0
73	2	=C	+N	0	0	M			0	0	0	0	0
74	2	=C	+N	4	1	S		Legume	0	0	1	0	0
75	2	=C	+N	4	3	M			0	0	1	0	1
76	2	=C	+N	4	1	S		C-4	0	0	0	1	0
77	2	=C	=N	1	1	M	Anemone cylindrica	Forb	0	0	0	0	1
78	2	=C	=N	4	2	M			1	0	0	0	1
79	2	=C	+N	4	3	M			0	1	0	0	0
80	2	=C	=N	4	1	S		C-3	0	1	0	0	0
81	2	=C	+N	1	1	M	Bouteloua gracilis	C-4	0	0	0	0	0
82	2	=C	=N	4	3	M			0	0	0	0	0
83	2	=C	=N	9	4	M			1	1	1	0	1
84	2	=C	+N	9	4	M			0	0	1	1	0
85	2	=C	+N	4	2	S			0	0	1	0	0

86	2	=C	+N	4	3	M			1	0	0	0	0
87	2	=C	=N	9	4	M			0	1	1	1	1
88	2	=C	+N	4	4	S			0	0	1	0	1
89	2	=C	=N	4	1	S		Forb	1	0	0	0	1
90	2	=C	=N	1	1	M	Sorghastrum nutans	C-4	0	0	0	0	0
91	2	=C	+N	4	3	M			1	0	1	1	0
92	2	=C	=N	9	4	M			1	0	1	1	1
93	2	=C	=N	4	1	S		Legume	0	0	1	0	0
94	2	=C	+N	1	1	M	Asclepias tuberosa	Forb	0	0	0	0	0
95	2	=C	+N	4	1	S		Forb	1	0	0	0	1
96	2	=C	+N	1	1	M	Lupinus perennis	Legume	0	0	0	0	0
97	2	=C	+N	9	4	M			1	1	1	0	0
98	2	=C	+N	4	1	S		C-3	0	1	0	0	0
99	2	=C	+N	1	1	M	Solidago rigida	Forb	0	0	0	0	0
100	2	=C	=N	1	1	M	Lupinus perennis	Legume	0	0	0	0	0
101	2	=C	+N	1	1	M	Andropogon gerardi	C-4	0	0	0	1	0
102	2	=C	=N	1	1	M	Petalostemum villosum	Legume	0	0	0	0	0
103	2	=C	+N	1	1	M	Bromus inermis	C-3	0	0	0	0	0
104	2	=C	=N	16	4	M			1	1	1	1	1
105	2	=C	=N	4	1	S		C-4	0	0	0	1	0
106	2	=C	=N	9	4	M			0	1	0	1	0
107	2	=C	=N	16	4	M			1	1	1	1	1
108	2	=C	+N	16	4	M			1	1	1	1	1
109	2	=C	=N	1	1	M	Bromus inermis	C-3	0	0	0	0	0
110	2	=C	+N	16	4	M			1	1	1	1	1
111	2	=C	=N	1	1	M	Agropyron repens	C-3	0	1	0	0	0
112	2	=C	+N	1	1	M	Agropyron repens	C-3	0	1	0	0	0
113	2	=C	+N	1	1	M	Poa pratensis	C-3	0	0	0	0	0
114	2	=C	+N	4	3	M			0	0	0	0	0
115	2	=C	=N	1	1	M	Poa pratensis	C-3	0	0	0	0	0
116	2	=C	=N	1	1	M	Lespedeza capitata	Legume	0	0	0	0	0
117	2	=C	+N	9	3	M			1	1	0	1	1
118	2	=C	+N	16	4	M			1	1	1	1	1
119	2	=C	=N	9	4	M			0	1	0	1	0

120	2	=C	=N	4	3	M			1	1	0	0	0
121	2	=C	=N	4	2	M			0	1	0	1	0
122	2	=C	=N	1	1	M	Koeleria cristata	C-3	0	0	0	0	0
123	3	+C	+N	1	1	M	Sorghastrum nutans	C-4	0	0	0	0	0
124	3	+C	+N	4	1	S		C-4	0	0	0	1	0
125	3	+C	+N	4	2	M			0	0	0	0	0
126	3	+C	=N	1	1	M	Sorghastrum nutans	C-4	0	0	0	0	0
127	3	+C	+N	4	2	M			0	1	0	0	0
128	3	+C	=N	9	4	M			0	0	1	1	1
129	3	+C	=N	4	3	M			0	1	0	0	1
130	3	+C	+N	16	4	M			1	1	1	1	1
131	3	+C	=N	9	4	M			1	0	1	0	0
132	3	+C	+N	1	1	M	Schizachyrium scoparium	C-4	0	0	0	0	0
133	3	+C	=N	9	4	M			1	0	0	0	0
134	3	+C	=N	1	1	M	Koeleria cristata	C-3	0	0	0	0	0
135	3	+C	=N	1	1	M	Lupinus perennis	Legume	0	0	0	0	0
136	3	+C	+N	4	1	S		Forb	1	0	0	0	1
137	3	+C	+N	1	1	M	Lespedeza capitata	Legume	0	0	0	0	0
138	3	+C	=N	1	1	M	Poa pratensis	C-3	0	0	0	0	0
139	3	+C	=N	1	1	M	Petalostemum villosum	Legume	0	0	0	0	0
140	3	+C	=N	1	1	M	Andropogon gerardi	C-4	0	0	0	1	0
141	3	+C	+N	1	1	M	Lupinus perennis	Legume	0	0	0	0	0
142	3	+C	+N	1	1	M	Anemone cylindrica	Forb	0	0	0	0	1
143	3	+C	+N	1	1	M	Solidago rigida	Forb	0	0	0	0	0
144	3	+C	+N	1	1	M	Agropyron repens	C-3	0	1	0	0	0
145	3	+C	=N	1	1	M	Agropyron repens	C-3	0	1	0	0	0
146	3	+C	=N	1	1	M	Anemone cylindrica	Forb	0	0	0	0	1
147	3	+C	=N	16	4	M			1	1	1	1	1
148	3	+C	=N	4	3	M			0	0	0	1	0
149	3	+C	+N	9	4	M			0	1	1	1	0
150	3	+C	=N	4	1	S		Legume	0	0	1	0	0
151	3	+C	+N	16	4	M			1	1	1	1	1
152	3	+C	=N	4	1	S		C-4	0	0	0	1	0
153	3	+C	=N	1	1	M	Solidago rigida	Forb	0	0	0	0	0

154	3	+C	+N	4	4	S			0	0	0	0	1
155	3	+C	=N	4	4	S			1	0	1	0	0
156	3	+C	=N	4	2	M			0	0	1	0	1
157	3	+C	=N	4	1	S		C-3	0	1	0	0	0
158	3	+C	+N	1	1	M	Amorpha canescens	Legume	0	0	1	0	0
159	3	+C	=N	1	1	M	Achillea millefolium	Forb	1	0	0	0	0
160	3	+C	+N	1	1	M	Asclepias tuberosa	Forb	0	0	0	0	0
161	3	+C	+N	9	4	M			0	1	1	1	1
162	3	+C	+N	4	3	M			0	1	0	1	0
163	3	+C	=N	16	4	M			1	1	1	1	1
164	3	+C	=N	4	4	M			0	0	0	0	0
165	3	+C	+N	9	3	M			0	1	1	1	0
166	3	+C	+N	9	4	M			0	1	1	0	0
167	3	+C	+N	4	3	M			0	0	0	0	0
168	3	+C	+N	4	1	S		C-3	0	1	0	0	0
169	3	+C	=N	1	1	M	Amorpha canescens	Legume	0	0	1	0	0
170	3	+C	=N	9	4	M			1	0	0	0	1
171	3	+C	+N	9	4	M			1	1	0	1	1
172	3	+C	=N	4	1	S		Forb	1	0	0	0	1
173	3	+C	=N	16	4	M			1	1	1	1	1
174	3	+C	+N	1	1	M	Bromus inermis	C-3	0	0	0	0	0
175	3	+C	+N	16	4	M			1	1	1	1	1
176	3	+C	+N	4	3	M			0	0	0	1	0
177	3	+C	=N	9	4	M			1	0	0	1	1
178	3	+C	=N	4	3	M			1	0	0	1	1
179	3	+C	=N	16	4	M			1	1	1	1	1
180	3	+C	+N	16	4	M			1	1	1	1	1
181	3	+C	+N	4	1	S		Legume	0	0	1	0	0
182	3	+C	=N	0	0	M			0	0	0	0	0
183	3	+C	+N	1	1	M	Poa pratensis	C-3	0	0	0	0	0
184	4	=C	=N	16	4	M			1	1	1	1	1
185	4	=C	+N	9	4	M			0	1	0	1	1
186	4	=C	+N	9	4	M			0	0	1	1	0
187	4	=C	=N	9	4	M			1	1	1	1	1

188	4	=C	=N	16	4	M			1	1	1	1	1
189	4	=C	=N	4	3	M			0	0	0	0	0
190	4	=C	=N	1	1	M	Lupinus perennis	Legume	0	0	0	0	0
191	4	=C	=N	4	2	S			1	0	0	0	0
192	4	=C	=N	1	1	M	Asclepias tuberosa	Forb	0	0	0	0	0
193	4	=C	+N	4	3	M			1	1	0	1	0
194	4	=C	+N	9	4	M			1	1	1	0	0
195	4	=C	+N	1	1	M	Koeleria cristata	C-3	0	0	0	0	0
196	4	=C	+N	1	1	M	Amorpha canescens	Legume	0	0	1	0	0
197	4	=C	+N	4	2	M			1	0	0	1	0
198	4	=C	=N	4	3	M			0	0	1	1	0
199	4	=C	=N	1	1	M	Solidago rigida	Forb	0	0	0	0	0
200	4	=C	=N	4	1	S		Forb	1	0	0	0	1
201	4	=C	=N	16	4	M			1	1	1	1	1
202	4	=C	=N	1	1	M	Bromus inermis	C-3	0	0	0	0	0
203	4	=C	+N	4	4	S			1	0	0	1	0
204	4	=C	+N	1	1	M	Bouteloua gracilis	C-4	0	0	0	0	0
205	4	=C	+N	16	4	M			1	1	1	1	1
206	4	=C	+N	4	2	M			1	0	0	0	0
207	4	=C	+N	4	1	S		C-4	0	0	0	1	0
208	4	=C	+N	1	1	M	Petalostemum villosum	Legume	0	0	0	0	0
209	4	=C	=N	1	1	M	Amorpha canescens	Legume	0	0	1	0	0
210	4	=C	+N	1	1	M	Achillea millefolium	Forb	1	0	0	0	0
211	4	=C	=N	4	2	M			0	0	0	0	1
212	4	=C	+N	1	1	M	Lupinus perennis	Legume	0	0	0	0	0
213	4	=C	+N	16	4	M			1	1	1	1	1
214	4	=C	+N	4	1	S		Forb	1	0	0	0	1
215	4	=C	+N	4	1	S		C-3	0	1	0	0	0
216	4	=C	=N	4	4	S			0	0	0	0	0
217	4	=C	=N	0	0	M			0	0	0	0	0
218	4	=C	+N	4	4	M			0	0	0	0	0
219	4	=C	+N	1	1	M	Andropogon gerardi	C-4	0	0	0	1	0
220	4	=C	=N	4	3	M			1	0	0	0	0
221	4	=C	=N	4	1	S		C-4	0	0	0	1	0

222	4	=C	=N	16	4	M			1	1	1	1	1
223	4	=C	=N	1	1	M	Achillea millefolium	Forb	1	0	0	0	0
224	4	=C	+N	9	4	M			1	1	1	0	0
225	4	=C	+N	1	1	M	Agropyron repens	C-3	0	1	0	0	0
226	4	=C	=N	9	4	M			0	1	0	1	1
227	4	=C	=N	1	1	M	Bouteloua gracilis	C-4	0	0	0	0	0
228	4	=C	=N	1	1	M	Poa pratensis	C-3	0	0	0	0	0
229	4	=C	=N	1	1	M	Anemone cylindrica	Forb	0	0	0	0	1
230	4	=C	=N	9	4	M			1	0	1	1	1
231	4	=C	=N	1	1	M	Schizachyrium scoparium	C-4	0	0	0	0	0
232	4	=C	+N	9	4	M			1	1	1	0	1
233	4	=C	=N	9	4	M			1	1	0	0	0
234	4	=C	+N	16	4	M			1	1	1	1	1
235	4	=C	=N	1	1	M	Agropyron repens	C-3	0	1	0	0	0
236	4	=C	+N	16	4	M			1	1	1	1	1
237	4	=C	+N	1	1	M	Anemone cylindrica	Forb	0	0	0	0	1
238	4	=C	+N	4	4	M			0	0	0	1	0
239	4	=C	=N	4	3	M			0	0	0	1	0
240	4	=C	+N	4	1	S		Legume	0	0	1	0	0
241	4	=C	+N	1	1	M	Lespedeza capitata	Legume	0	0	0	0	0
242	4	=C	=N	4	1	S		Legume	0	0	1	0	0
243	4	=C	=N	9	3	M			0	0	0	0	1
244	4	=C	=N	4	1	S		C-3	0	1	0	0	0
245	5	+C	+N	9	4	M			1	0	1	1	0
246	5	+C	+N	1	1	M	Poa pratensis	C-3	0	0	0	0	0
247	5	+C	+N	4	1	S		C-4	0	0	0	1	0
248	5	+C	=N	1	1	M	Asclepias tuberosa	Forb	0	0	0	0	0
249	5	+C	+N	4	2	M			0	1	0	0	0
250	5	+C	=N	16	4	M			1	1	1	1	1
251	5	+C	+N	1	1	M	Andropogon gerardi	C-4	0	0	0	1	0
252	5	+C	=N	1	1	M	Andropogon gerardi	C-4	0	0	0	1	0
253	5	+C	+N	16	4	M			1	1	1	1	1
254	5	+C	=N	1	1	M	Schizachyrium scoparium	C-4	0	0	0	0	0
255	5	+C	=N	4	3	M			0	0	0	0	0



256	5	+C	+N	1	1	M	Lespedeza capitata	Legume	0	0	0	0	0
257	5	+C	=N	1	1	M	Achillea millefolium	Forb	1	0	0	0	0
258	5	+C	+N	4	4	M			0	0	0	0	0
259	5	+C	+N	4	3	M			1	0	0	1	0
260	5	+C	+N	1	1	M	Koeleria cristata	C-3	0	0	0	0	0
261	5	+C	=N	1	1	M	Koeleria cristata	C-3	0	0	0	0	0
262	5	+C	+N	1	1	M	Lupinus perennis	Legume	0	0	0	0	0
263	5	+C	=N	1	1	M	Bouteloua gracilis	C-4	0	0	0	0	0
264	5	+C	=N	9	4	M			1	0	0	1	0
265	5	+C	+N	1	1	M	Bouteloua gracilis	C-4	0	0	0	0	0
266	5	+C	=N	1	1	M	Bromus inermis	C-3	0	0	0	0	0
267	5	+C	+N	16	4	M			1	1	1	1	1
268	5	+C	=N	4	1	S		C-3	0	1	0	0	0
269	5	+C	=N	4	1	S		Legume	0	0	1	0	0
270	5	+C	=N	16	4	M			1	1	1	1	1
271	5	+C	+N	1	1	M	Anemone cylindrica	Forb	0	0	0	0	1
272	5	+C	=N	16	4	M			1	1	1	1	1
273	5	+C	+N	1	1	M	Sorghastrum nutans	C-4	0	0	0	0	0
274	5	+C	=N	9	3	M			0	1	1	0	0
275	5	+C	+N	16	4	M			1	1	1	1	1
276	5	+C	+N	1	1	M	Achillea millefolium	Forb	1	0	0	0	0
277	5	+C	=N	1	1	M	Sorghastrum nutans	C-4	0	0	0	0	0
278	5	+C	=N	9	4	M			1	1	1	0	1
279	5	+C	=N	1	1	M	Amorpha canescens	Legume	0	0	1	0	0
280	5	+C	+N	9	4	M			1	1	1	1	0
281	5	+C	=N	4	4	M			0	0	0	0	1
282	5	+C	+N	9	4	M			1	1	0	1	1
283	5	+C	=N	16	4	M			1	1	1	1	1
284	5	+C	+N	0	0	M			0	0	0	0	0
285	5	+C	+N	1	1	M	Petalostemum villosum	Legume	0	0	0	0	0
286	5	+C	+N	4	4	S			1	1	0	1	0
287	5	+C	+N	4	1	S		C-3	0	1	0	0	0
288	5	+C	=N	4	4	M			0	0	0	0	1
289	5	+C	=N	0	0	M			0	0	0	0	0

290	5	+C	+N	4	3	M			1	0	0	1	1
291	5	+C	=N	4	4	S			0	0	1	1	0
292	5	+C	+N	4	4	M			0	0	0	0	0
293	5	+C	+N	9	4	M			1	1	1	1	1
294	5	+C	+N	9	4	M			1	0	0	1	0
295	5	+C	=N	1	1	M	Petalostemum villosum	Legume	0	0	0	0	0
296	5	+C	+N	4	1	S		Forb	1	0	0	0	1
297	5	+C	=N	4	2	M			0	1	1	0	0
298	5	+C	+N	4	1	S		Legume	0	0	1	0	0
299	5	+C	=N	9	4	M			1	1	1	1	1
300	5	+C	=N	9	4	M			1	1	0	0	1
301	5	+C	+N	16	4	M			1	1	1	1	1
302	5	+C	=N	4	1	S		Forb	1	0	0	0	1
303	5	+C	=N	4	1	S		C-4	0	0	0	1	0
304	5	+C	=N	1	1	M	Lespedeza capitata	Legume	0	0	0	0	0
305	5	+C	=N	4	2	M			0	0	0	0	0
306	6	=C	=N	16	4	M			1	1	1	1	1
307	6	=C	+N	16	4	M			1	1	1	1	1
308	6	=C	=N	9	4	M			0	1	1	0	0
309	6	=C	=N	4	3	M			1	0	0	0	0
310	6	=C	+N	1	1	M	Koeleria cristata	C-3	0	0	0	0	0
311	6	=C	+N	16	4	M			1	1	1	1	1
312	6	=C	=N	9	4	M			1	0	0	1	1
313	6	=C	=N	4	1	S		Forb	1	0	0	0	1
314	6	=C	=N	1	1	M	Solidago rigida	Forb	0	0	0	0	0
315	6	=C	=N	4	1	S		C-4	0	0	0	1	0
316	6	=C	+N	1	1	M	Amorpha canescens	Legume	0	0	1	0	0
317	6	=C	+N	4	2	M			0	0	1	1	0
318	6	=C	+N	1	1	M	Lespedeza capitata	Legume	0	0	0	0	0
319	6	=C	+N	4	3	M			0	0	0	0	1
320	6	=C	=N	9	4	M			1	0	1	0	0
321	6	=C	+N	16	4	M			1	1	1	1	1
322	6	=C	=N	1	1	M	Lespedeza capitata	Legume	0	0	0	0	0
323	6	=C	=N	1	1	M	Bouteloua gracilis	C-4	0	0	0	0	0

324	6	=C	+N	9	4	M			0	1	1	1	1
325	6	=C	=N	4	3	M			0	1	1	0	0
326	6	=C	+N	4	4	S			1	1	0	0	0
327	6	=C	+N	1	1	M	Anemone cylindrica	Forb	0	0	0	0	1
328	6	=C	+N	4	3	M			0	0	0	1	0
329	6	=C	=N	1	1	M	Asclepias tuberosa	Forb	0	0	0	0	0
330	6	=C	=N	1	1	M	Amorpha canescens	Legume	0	0	1	0	0
331	6	=C	=N	1	1	M	Sorghastrum nutans	C-4	0	0	0	0	0
332	6	=C	=N	4	4	M			0	1	0	1	0
333	6	=C	+N	1	1	M	Poa pratensis	C-3	0	0	0	0	0
334	6	=C	=N	4	3	M			0	1	0	0	1
335	6	=C	+N	9	4	M			0	1	1	1	0
336	6	=C	=N	1	1	M	Koeleria cristata	C-3	0	0	0	0	0
337	6	=C	=N	4	2	S			0	0	1	0	1
338	6	=C	+N	1	1	M	Solidago rigida	Forb	0	0	0	0	0
339	6	=C	=N	1	1	M	Achillea millefolium	Forb	1	0	0	0	0
340	6	=C	+N	4	1	S		C-3	0	1	0	0	0
341	6	=C	+N	9	4	M			0	0	1	0	0
342	6	=C	+N	1	1	M	Asclepias tuberosa	Forb	0	0	0	0	0
343	6	=C	=N	1	1	M	Andropogon gerardi	C-4	0	0	0	1	0
344	6	=C	=N	16	4	M			1	1	1	1	1
345	6	=C	=N	1	1	M	Schizachyrium scoparium	C-4	0	0	0	0	0
346	6	=C	=N	4	4	M			0	0	1	0	0
347	6	=C	=N	1	1	M	Petalostemum villosum	Legume	0	0	0	0	0
348	6	=C	+N	4	1	S		C-4	0	0	0	1	0
349	6	=C	+N	1	1	M	Schizachyrium scoparium	C-4	0	0	0	0	0
350	6	=C	+N	4	1	S		Legume	0	0	1	0	0
351	6	=C	+N	4	1	S		Forb	1	0	0	0	1
352	6	=C	+N	1	1	M	Bromus inermis	C-3	0	0	0	0	0
353	6	=C	+N	4	3	M			0	0	0	1	0
354	6	=C	+N	16	4	M			1	1	1	1	1
355	6	=C	=N	16	4	M			1	1	1	1	1
356	6	=C	=N	9	4	M			0	0	0	0	0
357	6	=C	+N	9	4	M			1	0	1	0	1

358	6	=C	=N	16	4	M			1	1	1	1	1
359	6	=C	=N	4	4	S			0	0	1	0	0
360	6	=C	+N	9	4	M			1	1	0	1	1
361	6	=C	=N	9	4	M			1	1	1	0	1
362	6	=C	+N	1	1	M	Sorghastrum nutans	C-4	0	0	0	0	0
363	6	=C	=N	4	1	S		Legume	0	0	1	0	0
364	6	=C	=N	4	1	S		C-3	0	1	0	0	0
365	6	=C	+N	4	2	M			1	0	0	0	0
366	6	=C	+N	1	1	M	Achillea millefolium	Forb	1	0	0	0	0
367	2	=C	=N	0	0	M			0	0	0	0	0
368	3	+C	+N	0	0	M			0	0	0	0	0
369	4	=C	+N	0	0	M			0	0	0	0	0
370	6	=C	=N	0	0	M			0	0	0	0	0
371	6	=C	+N	0	0	M			0	0	0	0	0

Asclepias tuberosa	Bouteloua gracilis	Bromus inermis	Koeleria crinata	Lespedez a capitata	Lupinus perennis	Petalost emum villosum	Poa pratensis	Schizachy rium scopariu m	Solidago rigida	Sorghastr um nutans	C-3	C-4	Forb	Legume
1	0	0	1	0	0	0	1	0	0	0	1	0	1	0
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0	0	0	0	1	1	1	0	0	0	0	0	0	0	1
1	0	0	0	0	0	0	0	0	0	0	0	0	1	0
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