

Appendix-A: Damage extent of 348 varieties/lines under drought stress

No.	Variety/line	Extent of damage	Tiller number	Seedling height (cm)
1	Yun0001	moderate	0	15.10±1.09
2	Yun0003	moderate	0	18.05±0.59
3	Yun0004	moderate	0	12.25±0.32
4	Yun0005	moderate	1	20.56±2.64
5	Yun0006	moderate	1	20.01±0.61
6	Yun0007	moderate	1	21.01±0.57
7	Yun0008	moderate	0	15.45±2.30
8	Yun0009	moderate	1	16.66±0.81
9	Yun0010	moderate	1	15.56±0.88
10	Yun0011	moderate	1	16.07±0.87
11	Yun0012	severe	0	13.61±2.66
12	Yun0013	moderate	0	13.67±0.02
13	Yun0015	moderate	0	13.84±2.15
14	Yun0016	moderate	0	14.65±2.11
15	Yun0017	severe	0	11.91±0.87
16	Yun0021	severe	0	14.68±0.29
17	Yun0022	moderate	0	14.79±0.82
18	Yun0023	moderate	0	15.11±0.86
19	Yun0026	moderate	1	15.21±1.63
20	Yun0027	moderate	1	14.55±1.13
21	Yun0028	severe	0	14.10±0.49
22	Yun0030	moderate	0	15.30±1.01
23	Yun0031	moderate	0	15.47±1.45
24	Yun0032	moderate	0	14.50±2.48
25	Yun0033	moderate	1	14.49±0.04
26	Yun0034	moderate	0	16.77±1.84

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Appendix-A (continued)				
No.	Variety/line	Extent of damage	Tiller number	Seedling height (cm)
27	Yun0036	moderate	1	16.40±5.61
28	Yun0040	severe	0	14.76±1.70
29	Yun0042	severe	1	14.05±1.19
30	Yun0044	severe	0	11.87±3.64
31	Yun0046	severe	0	14.92±3.57
32	Yun0047	severe	0	16.39±1.08
33	Yun0051	moderate	0	15.31±2.29
34	Yun0052	moderate	0	16.27±0.69
35	Yun0052-2	severe	0	15.38±1.73
36	Yun0053	severe	0	13.95±0.43
37	Yun0054	severe	0	10.06±0.90
38	Yun0055	moderate	1	20.27±1.03
39	Yun0056	severe	0	11.79±1.38
40	Yun0057	severe	0	15.10±0.16
41	Yun0058	maximal	0	10.20±2.36
42	Yun0059	maximal	0	9.76±0.24
43	Yun0060	severe	0	13.39±0.04
44	Yun0061	moderate	0	16.4±2.14
45	Yun0062	severe	0	18.05±3.86
46	Yun0064	maximal	0	9.79±4.45
47	Yun0066	severe	0	16.77±0.66
48	Yun0067	severe	0	15.50±1.41
49	Yun0070	severe	0	15.99±1.77
50	Yun0071	severe	0	17.02±0.11
51	Yun0072	severe	0	15.20±0.42
52	Yun0073	maximal	0	9.49±0.41
53	Yun0074	severe	0	14.29±0.18
54	Yun0075	severe	0	13.90±1.13
55	Yun0076	severe	0	17.95±2.02
56	Yun0077	severe	0	17.67±0.13
57	Yun0079	severe	0	15.85±1.39
58	Yun0080	severe	0	16.78±0.95
59	Yun0081	severe	0	19.03±4.22
60	Yun0083	severe	0	18.11±1.17
61	Yun0084	severe	0	15.94±1.35

Appendix-A (continued)				
No.	Variety/line	Extent of damage	Tiller number	Seedling height (cm)
62	Yun0086	severe	0	16.25±2.21
63	Yun0087	severe	0	15.88±3.36
64	Yun0088	severe	0	17.19±1.73
65	Yun0089	severe	0	17.27±0.78
66	Yun0091	severe	0	15.43±0.78
67	Yun0092	severe	0	16.19±1.70
68	Yun0094	moderate	0	17.82±0.71
69	Yun0095	severe	0	16.22±0.94
70	Yun0096	severe	0	15.48±1.56
71	Yun0097	severe	0	15.97±1.46
72	Yun0098	severe	0	15.09±1.34
73	Yun0099	maximal	0	11.26±1.17
74	Yun0100	severe	0	14.27±1.70
75	Yun0101	maximal	0	9.86±0.40
76	Yun0103	severe	0	14.99±0.66
77	Yun0104	severe	0	12.40±1.54
78	Yun0105	severe	0	17.39±4.48
79	Yun0106	severe	0	16.37±2.70
80	Yun0107	moderate	1	20.68±0.29
81	Yun0108	severe	0	9.56±1.42
82	Yun0112	severe	0	12.82±0.53
83	Yun0113	severe	0	16.90±0.65
84	Yun0114	moderate	0	15.66±0.57
85	Yun0115	minimal	1	16.04±0.80
86	Yun0116	minimal	1	16.23±0.67
87	Yun0119	minimal	0	18.37±1.76
88	Yun0121	minimal	2	20.47±0.76
89	Yun0122	minimal	0	15.23±0.84
90	Yun0123	minimal	0	17.32±3.95
91	Yun0127	moderate	0	14.14±3.51
92	Yun0128	moderate	0	12.59±1.06
93	Yun0129	severe	0	10.47±0.81
94	Yun0130	moderate	0	16.53±1.80
95	Yun0131	moderate	0	14.33±0.77
96	Yun0132	moderate	0	15.18±0.82

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Appendix-A (continued)				
No.	Variety/line	Extent of damage	Tiller number	Seedling height (cm)
97	Yun0132-2	moderate	0	15.15±0.60
98	Yun0133	moderate	0	15.66±0.68
99	Yun0134	moderate	0	16.04±0.71
100	Yun0136	moderate	0	15.69±0.25
101	Yun0138	moderate	1	15.07±0.33
102	Yun0139	moderate	0	16.75±0.55
103	Yun0140	severe	0	14.49±1.11
104	Yun0141	severe	0	12.90±2.09
105	Yun0142	severe	0	13.53±2.56
106	Yun0146	maximal	0	12.78±0.78
107	Yun0151	moderate	0	12.58±1.16
108	Yun0153	moderate	0	15.52±3.24
109	Yun0154	moderate	0	11.35±0.05
110	Yun0156	severe	0	10.17±2.61
111	Yun0157	moderate	0	13.57±0.51
112	Yun0160	minimal	0	15.53±0.92
113	Yun0161	moderate	0	13.30±0.86
114	Yun0162	severe	0	14.85±1.55
115	Yun0164	severe	0	13.55±2.64
116	Yun0166	moderate	0	11.31±0.91
117	Yun0171	moderate	0	13.91±0.60
118	Yun0173	severe	0	16.21±0.20
119	Yun0174	severe	0	15.55±1.04
120	Yun0175	severe	0	14.65±1.45
121	Yun0176	maximal	0	14.90±0.59
122	Yun0178	moderate	0	14.47±1.92
123	Yun0179	severe	0	15.54±0.73
124	Yun0180	severe	0	12.20±1.35
125	Yun0181	severe	0	14.88±0.62
126	Yun0182	severe	0	16.15±1.25
127	Yun0184	severe	0	16.78±4.11
128	Yun0187	moderate	1	15.67±0.68
129	Yun0188	severe	0	13.49±0.76
130	Yun0189	severe	0	15.28±1.10
131	Yun0190	severe	0	15.95±2.12

Appendix-A (continued)				
No.	Variety/line	Extent of damage	Tiller number	Seedling height (cm)
132	Yun0191	severe	0	16.52±2.27
133	Yun0192	maximal	0	11.35±0.19
134	Yun0193	maximal	0	17.02±2.63
135	Yun0194	severe	0	15.82±0.93
136	Yun0195	severe	0	15.64±1.03
137	Yun0196	severe	0	17.67±0.27
138	Yun0200	moderate	1	19.76±0.40
139	Yun0201	moderate	1	19.85±3.81
140	Yun0202	severe	1	18.84±1.06
141	Yun0203	severe	0	17.25±0.77
142	Yun0206	severe	0	17.00±0.62
143	Yun0207	severe	0	16.28±5.28
144	Yun0208	severe	0	19.42±2.38
145	Yun0209	severe	0	16.41±1.78
146	Yun0210	severe	0	16.97±3.33
147	Yun0211	severe	0	15.65±1.45
148	Yun0212	moderate	1	16.73±0.17
149	Yun0213	moderate	1	17.40±1.77
150	Yun0216	severe	0	19.30±1.03
151	Yun0217	maximal	0	13.68±0.31
152	Yun0218	moderate	0	16.51±1.01
153	Yun0219	severe	0	16.69±2.31
154	Yun0221	moderate	0	15.44±1.22
155	Yun0222	severe	0	13.24±0.29
156	Yun0224	severe	0	15.27±0.14
157	Yun0225	severe	0	15.65±1.22
158	Yun0226	maximal	0	16.53±1.80
159	Yun0227	severe	0	14.38±1.14
160	Yun0228	severe	0	14.19±1.18
161	Yun0229	severe	1	16.19±1.57
162	Yun0231	severe	0	16.55±0.07
163	Yun0232	severe	0	12.44±1.39
164	Yun0233	severe	0	17.93±0.43
165	Yun0234	severe	1	11.79±1.19
166	Yun0235	severe	0	12.99±0.44

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Appendix-A (continued)				
No.	Variety/line	Extent of damage	Tiller number	Seedling height (cm)
167	Yun0236	severe	0	14.58±2.66
168	Yun0237	severe	0	15.01±1.16
169	Yun0238	severe	0	14.59±0.53
170	Yun0240	severe	0	14.71±0.47
171	Yun0241	severe	0	13.35±0.21
172	Yun0242	severe	0	15.38±2.85
173	Yun0243	severe	0	14.69±0.08
174	Yun0244	severe	0	18.32±0.30
175	Yun0245	severe	0	17.94±0.21
176	Yun0247	severe	0	15.04±2.71
177	Yun0248	severe	0	17.11±0.93
178	Yun0249	severe	0	15.60±1.49
179	Yun0252	moderate	1	19.55±0.60
180	Yun0253	moderate	0	14.04±1.30
181	Yun0254	severe	0	17.73±2.55
182	Yun0268	severe	0	17.16±0.20
183	Yun0269	severe	0	17.68±0.69
184	Yun0270	severe	0	17.09±1.07
185	Yun0271	moderate	0	18.04±1.33
186	Yun0273	severe	0	15.64±1.15
187	Yun0274	moderate	0	16.86±1.01
188	Yun0275	severe	0	15.88±2.45
189	Yun0277	severe	0	13.31±0.81
190	Yun0278	severe	0	10.21±0.12
191	Yun0280	severe	0	16.73±1.22
192	Yun0281	severe	0	17.88±1.62
193	Yun0282	severe	0	19.09±0.35
194	Yun0284	severe	0	18.26±1.02
195	Yun0286	severe	1	15.51±2.46
196	Yun0287	severe	0	18.66±1.09
197	Yun0288	severe	0	17.83±1.36
198	Yun0292	severe	0	17.09±0.29
199	Yun0293	severe	0	14.70±1.57
200	Yun0294	maximal	0	12.87±1.86
201	Yun0295	severe	0	16.13±0.73

Appendix-A (continued)				
No.	Variety/line	Extent of damage	Tiller number	Seedling height (cm)
202	Yun0296	severe	0	15.11±0.10
203	Yun0297	moderate	1	18.15±1.24
204	Yun0298	severe	0	18.07±0.39
205	Yun0299	severe	0	18.04±2.30
206	Yun0300	severe	0	16.54±2.50
207	Yun0301	severe	0	16.49±2.44
208	Yun0302	severe	0	17.85±2.50
209	Yun0303	severe	0	16.66±1.34
210	Yun0304	severe	0	17.02±0.64
211	Yun0305	severe	0	18.06±1.10
212	Yun0306	moderate	0	16.08±1.08
213	Yun0307	severe	0	17.77±0.97
214	Yun0308	severe	0	17.29±0.94
215	Yun0310	severe	0	11.14±0.06
216	Yun0313	severe	0	19.08±4.42
217	Yun0316	severe	0	19.62±1.63
218	Yun0317	severe	0	17.09±1.36
219	Yun0318	severe	0	16.34±2.47
220	Yun0323	severe	0	16.59±3.16
221	Yun0324	severe	0	19.58±1.63
222	Yun0325	severe	0	18.23±5.53
223	Yun0326	severe	0	18.94±0.22
224	Yun0327	severe	0	18.23±0.67
225	Yun0328	severe	0	17.91±1.10
226	Yun0329	severe	0	19.58±0.99
227	Yun0330	severe	0	17.38±2.00
228	Yun0331	severe	0	17.04±1.01
229	Yun0332	severe	0	17.54±0.96
230	Yun0343	severe	0	14.99±1.86
231	Yun0349-2	severe	0	19.58±3.18
232	Yun0350	severe	0	19.03±3.16
233	Yun0358	maximal	0	17.89±2.51
234	Yun0360	severe	0	15.77±1.23
235	Yun0361	severe	0	16.81±0.66
236	Yun0364	severe	0	13.90±0.12

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Appendix-A (continued)				
No.	Variety/line	Extent of damage	Tiller number	Seedling height (cm)
237	Yun0370	severe	1	15.84±1.72
238	Yun0371	severe	0	17.47±1.08
239	Yun0374	severe	0	14.63±0.54
240	Yun0376	severe	0	20.04±2.31
241	Yun0377	severe	0	13.67±1.95
242	Yun0380	severe	0	15.99±1.47
243	Yun0381	severe	0	19.99±0.99
244	Yun0382	severe	0	18.72±1.93
245	Yun0384	severe	0	17.73±1.94
246	Yun0385	severe	0	20.94±1.70
247	Yun0387	severe	0	17.62±2.11
248	Yun0392	severe	0	17.24±2.41
249	Yun0394	maximal	0	16.54±3.12
250	Yun0395	severe	0	16.55±3.80
251	Yun0397	severe	0	17.01±3.06
252	Yun0399	severe	0	14.36±0.54
253	Yun0401	minimal	1	21.87±2.68
254	Yun0402	moderate	0	16.18±0.73
255	Yun0405	severe	0	16.82±1.05
256	Yun0408	moderate	0	14.92±0.95
257	Yun0411	moderate	1	19.54±2.08
258	Yun0412	moderate	0	16.15±2.54
259	Yun0414	severe	0	15.07±1.70
260	Yun0417	severe	0	15.33±2.77
261	Yun0420	severe	0	16.25±1.61
262	Yun0421	minimal	2	19.79±1.36
263	Yun0423	severe	0	17.00±1.22
264	Yun0425	maximal	0	14.76±0.42
265	Yun0426	severe	0	14.88±0.64
266	Yun0427	severe	0	15.64±1.73
267	Yun0428	severe	0	13.17±1.22
268	Yun0429	severe	0	15.10±7.55
269	Yun0430	severe	0	16.65±5.32
270	Yun0431	severe	0	17.73±1.77
271	Yun0433	maximal	0	17.10±3.16

Appendix-A (continued)				
No.	Variety/line	Extent of damage	Tiller number	Seedling height (cm)
272	Yun0435	severe	0	16.44±0.69
273	Yun0436	severe	0	19.97±0.91
274	Yun0437	severe	0	16.78±2.45
275	Yun0438	severe	0	15.93±0.51
276	Yun0439	severe	0	12.52±0.14
277	Yun0443	severe	0	13.58±0.61
278	Yun0446	severe	0	13.66±1.64
279	Yun0449	severe	0	16.49±1.68
280	Yun0455	severe	0	19.34±0.39
281	Yun0461	severe	0	18.24±0.24
282	Yun0462	maximal	0	16.44±0.18
283	Yun0463	severe	0	19.69±2.40
284	Yun0466	severe	0	16.38±4.10
285	Yun0467	severe	0	13.87±0.64
286	Yun0472	moderate	0	17.35±1.35
287	Yun0475	moderate	0	14.77±0.95
288	Yun0476	moderate	0	15.61±3.81
289	Yun0477	moderate	0	14.72±2.09
290	Yun0478	severe	0	14.80±1.22
291	Yun0497	severe	0	15.94±0.14
292	Yun0507	severe	0	15.08±0.39
293	Yun0565	severe	0	14.20±1.49
294	Yun0601	severe	0	11.80±2.49
295	Yun0602	severe	0	14.84±3.56
296	Yun0603	moderate	2	17.97±0.79
297	Yun0604	moderate	1	19.19±1.68
298	Yun0606	severe	0	17.31±2.77
299	Yun0607	moderate	0	15.17±1.41
300	Yun0608	moderate	0	17.00±0.70
301	Yun0609	moderate	1	18.74±0.26
302	Yun0610	moderate	2	14.60±3.72
303	Yun0611	severe	0	15.60±2.49
304	Yun0612	moderate	0	15.28±0.89
305	Yun0613	minimal	0	16.42±1.84
306	Yun0614	minimal	1	19.55±1.01

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Appendix-A (continued)				
No.	Variety/line	Extent of damage	Tiller number	Seedling height (cm)
307	Yun0615	minimal	1	19.81±1.59
308	Yun0616	moderate	1	18.30±0.00
309	Yun0618	maximal	0	16.61±1.04
310	Yun0619	severe	0	16.13±0.26
311	Yun0620	severe	0	15.52±0.70
312	Yun0621	severe	0	17.04±2.67
313	Yun0622	maximal	0	11.74±1.91
314	Yun0623	moderate	0	16.55±0.33
315	Yun0624	minimal	1	21.88±4.29
316	Yun0692	minimal	2	16.45±2.00
317	Yun0693	minimal	1	14.69±1.90
318	Wanmai1643	moderate	0	13.38±0.44
319	Xinmai29	moderate	0	12.77±6.96
320	Wenmai14	ungerminated	0	0±0
321	Yunmai55	minimal	1	16.22±3.53
322	Yunmai56	moderate	1	14.71±2.54
323	Yunmai57	moderate	0	12.75±0.87
324	Yunmai59	moderate	1	12.89±1.43
325	Yunmai62	moderate	0	16.42±1.92
326	Linmai6	minimal	2	23.30±1.82
327	Linmai15	minimal	1	20.62±1.84
328	Linmai16	moderate	0	13.10±1.45
329	Jingmai11	minimal	1	14.27±2.23
330	Jingmai12	minimal	2	24.99±2.23
331	Jingmai18	minimal	1	20.19±0.04
332	Jingmai19	moderate	0	10.70±2.50
333	Dianmai1	moderate	0	10.49±1.11
334	Dianmai2	moderate	0	12.00±2.36
335	Dianmai3	moderate	0	10.61±1.60
336	Dianmai4	moderate	0	12.34±1.66
337	Dianmai5	moderate	1	11.33±1.00
338	Dianmai6	minimal	1	20.72±0.66
339	Dianmai7	moderate	0	16.87±1.57
340	Dianmai9	moderate	0	12.81±0.93
341	Dianmai10	severe	0	13.63±1.29

Appendix-A (continued)				
No.	Variety/line	Extent of damage	Tiller number	Seedling height (cm)
342	Dianmai11	minimal	1	10.31±0.83
343	Dianmai12	moderate	0	18.02±1.19
344	Dianmai14	moderate	1	14.21±1.73
345	Dianmai15	moderate	0	11.50±0.16
346	LQ16	severe	0	17.33±0.78
347	LQ107	severe	0	15.41±2.60
348	LQ461	moderate	1	17.18±0.60

Minimal damage: leaf blades convolute, mild wilting; Moderate damage: leaves show moderate wilting; Severe damage: leaves show severe wilting; Maximal damage: leaves show irreversible wilting. (Seedling height) Data presented are mean ± SD. Values with matching letters are not significantly different from each other ($P > 0.05$).