

Table 1. 2006 Regional Germplasm Observation Nursery (RGON).

Entry	Line	putative market class	pedigree	source	protected trait?
1	TAM-107	HRW	PI 495594	check	
2	Karl 92	HRW	PI 564245	check	
3	Arapahoe	HRW	PI 518591	check	
4	local check 1		see comments	check	
5	local check 2		see comments	check	
6	local check 3		see comments	check	
7	KS03HW158	HWW	TREGO/CO960293	KSU-HAYS	
8	KS03HW6-6 CL	HWW	FIDEL/97HW150//97HW349/3/TGO	KSU-HAYS	IMI
9	KS04HW47-3	HWW	X921012-A-7-1/TGO	KSU-HAYS	
10	KS04HW95-1	HWW	98HW423(JGR/93HW242)/98HW170(ARL/WGRC15)	KSU-HAYS	
11	KS04HW95-4	HWW	98HW423(JGR/93HW242)/98HW170(ARL/WGRC15)	KSU-HAYS	
12	KS04HW101-3	HWW	98HW423(JGR/93HW242)/98HW170(ARL/WGRC15)	KSU-HAYS	
13	KS04HW101-4	HWW	98HW423(JGR/93HW242)/98HW170(ARL/WGRC15)	KSU-HAYS	
14	KS04HW119-3	HWW	TREGO*2/CO960293	KSU-HAYS	
15	KS05HW7	HWW	TREGO*2/CO960293	KSU-HAYS	
16	KS05HW8	HWW	TREGO*2/CO960293	KSU-HAYS	
17	KS05HW14	HWW	KS98HW452(KS91H153/KS93HW255)/CO960293/KS920709B-5-2(T67/X84W063-9-45//K92)	KSU-HAYS	
18	KS05HW15	HWW	KS98HW452(KS91H153/KS93HW255)/CO960293/KS920709B-5-2(T67/X84W063-9-45//K92)	KSU-HAYS	
19	KS05HW28	HWW	KS91W009-6-1(82W428/VEE//NA283/BOW/3/PVI124-79)/TREGO//KS99HW55(KS93HW91/KS93HW255)	KSU-HAYS	
20	KS05HW34	HWW	KS99-5-16(KS94HW98/KS91H153-2)/KS91W009-6-1//W95-610W(WI89-282/Arlin)	KSU-HAYS	
21	KS05HW43	HWW	KS99-5-16(KS94HW98/KS91H153-2)/KS91W009-6-1//TREGO	KSU-HAYS	
22	KS05HW44	HWW	KS99-5-16(KS94HW98/KS91H153-2)/KS91W009-6-1//TREGO	KSU-HAYS	
23	KS05HW53	HWW	LAKIN/KS920709B-5-2(T67/X84W063-9-45//K92)	KSU-HAYS	
24	KS05HW54	HWW	LAKIN/KS920709B-5-2(T67/X84W063-9-45//K92)	KSU-HAYS	
25	KS05HW55	HWW	LAKIN/KS920709B-5-2(T67/X84W063-9-45//K92)	KSU-HAYS	
26	KS05HW86	HWW	KS98HW518(93HW91/93HW255)//XH1881/KS96HW94	KSU-HAYS	
27	KS05HW91	HWW	KS98HW518(93HW91/93HW255)//XH1881/KS96HW94	KSU-HAYS	
28	KS05HW92	HWW	KS98HW518(93HW91/93HW255)//XH1881/KS96HW94	KSU-HAYS	
29	KS05HW93	HWW	KS98HW518(93HW91/93HW255)//XH1881/KS96HW94	KSU-HAYS	
30	KS05HW120	HWW	KS99-5-16(94HW98/91H153)//STANTON/KS98HW423(JAG/93HW242)	KSU-HAYS	
31	KS05HW121	HWW	KS99-5-16(94HW98/91H153)//STANTON/KS98HW423(JAG/93HW242)	KSU-HAYS	
32	KS05HW122	HWW	KS99-5-16(94HW98/91H153)//STANTON/KS98HW423(JAG/93HW242)	KSU-HAYS	
33	KS05HW134	HWW	KS98HW518(93HW91/93HW255)//KS98H245(IKE/TA2460/**3T200)/TREGO	KSU-HAYS	
34	KS05HW135	HWW	KS98HW518(93HW91/93HW255)//KS98H245(IKE/TA2460/**3T200)/TREGO	KSU-HAYS	
35	KS05HW136	HWW	KS98HW518(93HW91/93HW255)//KS98H245(IKE/TA2460/**3T200)/TREGO	KSU-HAYS	
36	KS05HW162 CL	HWW	99-5011(KS94HW98/KS94HW115)/3/FIDEL/KS97HW153//KS97HW349(ARLIN/TA2460/3*T107)	KSU-HAYS	IMI
37	HV9W02-381Rdn	HRW	NE93554/HALT//YUMAR	WestBred	
38	HV9W02-452R	HRW	G14314/HALT//YUMAR	WestBred	
39	HV9W98A-1003R	HRW	B1127/3/B1551//ROWDY/RWA 671 MONT	WestBred	

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Entry	Line	putative market class	pedigree	source	protected trait?
40	HV9W96-1383R	HRW	TX91D6913 / B1551-WH	WestBred	
41	HV9W96-1375R-2	HRW	TX91D6991 / B1551	WestBred	
42	HV9W99-1016R	HRW	B1392-1 / ARLIN 2*/K92/4/KARL/3/T101//CSM//366616	WestBred	
43	HV9W02-665R	HRW	3080 2-231/LRO//KS84063-9-39-3-27	WestBred	
44	HV9W02-832R	HRW	JAGGER/PONDOROSA	WestBred	
45	HV9W02-942R	HRW	53/3/ABL/1113//K92/4/JAG/5/KS89180B	WestBred	
46	HV9W02-966R	HRW	K92/PL2580//KS89180B	WestBred	
47	HV9W98A-1024R-2	HRW	B1551 / B1600	WestBred	
48	HV9W96-1271R-1	HRW	B1551-WH / KS94U326	WestBred	
49	HV9W97-2112R-4-1	HRW	B1551/B1551-W/KS94U326	WestBred	
50	TAM-107	HRW	PI 495594	check	
51	Karl 92	HRW	PI 564245	check	
52	Arapahoe	HRW	PI 518591	check	
53	local check 1		see comments	check	
54	local check 2		see comments	check	
55	local check 3		see comments	check	
56	HV9W97-2112R-4-2	HRW	B1551/B1551-W/KS94U326	WestBred	
57	HV9W00-B243R	HRW	JAGGER/3/FR3-632//KS90WGRC10/B918	WestBred	
58	HV9W02-112W	HWW	96HW94-5/TGO	WestBred	
59	HV9W02-267W	HWW	97H79(87H6//TX81V6607-2/87H66-2)/TGO	WestBred	
60	HV9W02-271W	HWW	97HW216(91HW19/WGRC15)/97HW349(ARL//TA2460/3*T107)	WestBred	
61	HV9W02-323W	HWW	N94L457WA/N94L187//KS94HW115	WestBred	
62	HV9W02-243W	HWW	KS91H184/ARLIN SIB//KS91HW29/3/N93L068	WestBred	
63	HV9W02-1035W	HWW	OK94P461/2500//KS1064	WestBred	
64	HV9W96-1383W-1	HWW	TX91D6913 / B1551-WH	WestBred	
65	HV9W96-1270W-1	HWW	B1551-WH / KS94U319	WestBred	
66	HV9W96-1375W-2	HWW	TX91D6991 / B1551	WestBred	
67	HV9W97-2112W-2-1	HWW	B1551 / B1551-W/KS94U326	WestBred	
68	HV9W97-2112W-2-2	HWW	B1551 / B1551-W/KS94U326	WestBred	
69	HV9W99-1016W	HWW	B1392-1 / ARLIN 2*/K92/4/KARL/3/T101//CSM//366616	WestBred	
70	HV9W96-1558W-3	HWW	B1551-WH/BIGDAWG	WestBred	
71	HV9W96-1271R-1W	HWW	B1551-WH / KS94U326	WestBred	
72	HV9W00-B1551WP	HWW	B1043/2180	WestBred	
73	CO02265	HRW	Stanton/98HW423(JGR/93HW242)	CSU	
74	CO02320-A1	HRW	97H79(87H6//TX81V6607-2/87H66-2)/96HW114//98HW152(ARL//TA2460/3*T107)	CSU	
75	CO02322-A2	HRW	97H79(87H6//TX81V6607-2/87H66-2)/96HW114//98HW152(ARL//TA2460/3*T107)	CSU	
76	CO02W040	HWW	98HW521(93HW91/93HW255)/TGO	CSU	
77	CO02W214	HWW	98HW423(JGR/93HW242)/96HW94	CSU	
78	CO02W237	HWW	98HW519(93HW91/93HW255)/96HW94	CSU	

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79	CO02W280	HWW	98HW521(93HW91/93HW255)/98HW165(ARL/WGRC15)	CSU	
80	CO03011	HRW	Yumar/CO970655	CSU	
81	CO03063	HRW	CO970547/Prowers 99	CSU	
82	CO03064	HRW	CO970547/Prowers 99	CSU	
83	CO03343	HRW	Hallam/Yumar	CSU	
84	CO03373	HRW	Hallam/CO970547	CSU	
85	CO03443	HRW	CO960691/CO970655	CSU	
86	CO03451	HRW	CO960691/CO970655	CSU	
87	CO03621	HRW	CO980881/CO970887	CSU	Als1
88	CO03637	HRW	CO980890/CO980862	CSU	Als1
89	CO03W031	HWW	CO970773/Lakin	CSU	
90	CO03W032	HWW	CO980352/KS920946-B-15-1	CSU	
91	CO03W033	HWW	CO980862/CO960691	CSU	
92	CO03W035	HWW	KS96HW94/CO980352	CSU	
93	CO03W043	HWW	KS96HW94/CO980352	CSU	
94	CO03W054	HWW	KS96HW94//Trego/CO960293	CSU	
95	CO03W108	HWW	Avalanche/KS920946-B-15-1	CSU	
96	CO03W127	HWW	CO980352/CO970235	CSU	
97	CO03W139	HWW	CO980862/Lakin	CSU	
98	CO03W144	HWW	KS98HW452/CO960293//Lakin	CSU	
99	CO03W146	HWW	KS98HW452/CO960293//Lakin	CSU	
100	TAM-107	HRW	PI 495594	check	
101	Karl 92	HRW	PI 564245	check	
102	Arapahoe	HRW	PI 518591	check	
103	local check 1		see comments	check	
104	local check 2		see comments	check	
105	local check 3		see comments	check	
106	CO03W238	HWW	KS01-5539/CO99W165	CSU	Als1
107	CO03W239	HWW	KS01-5539/CO99W165	CSU	Als1
108	CO03W253	HWW	KS01-5539/CO99W165	CSU	Als1
109	CO03W259	HWW	KS01-5539/CO99W191	CSU	Als1
110	CO03W261	HWW	KS01-5539/CO99W191	CSU	Als1
111	CO03W262	HWW	KS01-5539/CO99W191	CSU	Als1
112	CO03W263	HWW	KS01-5539/CO99W191	CSU	Als1
113	CO03W267	HWW	KS01-5539/CO99W191	CSU	Als1
114	CO03W269	HWW	KS01-5539/CO99W191	CSU	Als1
115	KS98W0259-4-5		KS91015-C-6/Mv04-96//X920866-B-7	KSU-Manhattan	
116	KS970187-1-10		TAM107*2/TA759/HBC197F-1/3/2145	KSU-Manhattan	
117	KS970223-12-1		N575 (LYFENKO)/JAGGER/4/KARL*2//PI355520/PI265008/3/CENTURY*3/TA	KSU-Manhattan	

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118	KS04WKS-19		T67/X84W063-9-45//K92/3/SNF/4/X86509-1-1/X84W063-9-39-2//K92	KSU-Manhattan	
119	KS980512-1~1		T67/X84W063-9-45//K92/3/SNF/4/X86509-1-1/X84W063-9-39-2//K92	KSU-Manhattan	
120	KS990159-3~7		KS89180B-2-1-1/CMSW89Y267//X921012-A-27-1	KSU-Manhattan	
121	KS990160-4~3		KS89180B-2-1-1/CMSW89Y267//X921025-A-3-2	KSU-Manhattan	
122	KS990498-3-&~2		KS91W049-1-5-1/CM95091//X920709-B-5-2/3/X84W063-9-45-1/X85W663-7-4-2//HBB036J	KSU-Manhattan	
123	KS970093-8-9-#1		HBK1064-3/KS84063-9-39-3-4W//X960103	KSU-Manhattan	
124	KS00F5-14-7-1-#1		BULK SELN	KSU-Manhattan	
125	KS970274-14-*9		N10362 (RABINOVICH)/KS93U134//JGR	KSU-Manhattan	
126	KS990043-3~1		KS920750-A-13-1//KS89180-2-1-1//CMBW91M02959T	KSU-Manhattan	
127	KS990159-2~2		KS89180B-2-1-1/CMSW89Y267//X921012-A-27-1	KSU-Manhattan	
128	KS990160-4~5		KS89180B-2-1-1/CMSW89Y267//X921025-A-3-2	KSU-Manhattan	
129	KS990183-4~1		KS89180B-2-1-1/CM95103//KS920879-C-15-1	KSU-Manhattan	
130	KS990011-1~4		K92//Ravi S-36/K92	KSU-Manhattan	
131	KS990156-2~3		KS89180B-2-1-1/CMSW89Y271//X921012-A-27-1	KSU-Manhattan	
132	KS990159-2~14		KS89180B-2-1-1/CMSW89Y267//X921012-A-27-1	KSU-Manhattan	
133	KS990159-3~11		KS89180B-2-1-1/CMSW89Y267//X921012-A-27-1	KSU-Manhattan	
134	KS990160-4~2		KS89180B-2-1-1/CMSW89Y267//X921025-A-3-2	KSU-Manhattan	
135	KS980478-3~5		X84W063-9-18/U1324-25-1-4-4//K92/3/SNF/3/SNF	KSU-Manhattan	
136	KS990184-1~2		KS89180B-2-1-1/CM95103//X920879-C-15-3	KSU-Manhattan	
137	KS980512-11~3		T67/X84W063-9-45//K92/3/SNF/4/X86509-1-1/X84W063-9-39-2//K92	KSU-Manhattan	
138	KS980554-12~9		2180*K/2163//?/3/W1062A*HVA114/W3416	KSU-Manhattan	
139	KS980554-12~4		2180*K/2163//?/3/W1062A*HVA114/W3416	KSU-Manhattan	
140	KS990524-3-&~1		2145/CM95560//X920879-C-15-1/3/X84W063-9-18/U1324-25-1-4-4//K92	KSU-Manhattan	
141	KS990528-3-&~5		2145/CMBW89M7409//X921012-A-27-1/3/X84W063-9-18/U1324-25-1-4-4//K92	KSU-Manhattan	
142	KS980191-1-2-#2		KS87581I-2-1/Mv12-96//X920232-18-3	KSU-Manhattan	
143	KS980386-6-3-#1		MvC426-96/KS940935-125-5-2//OLA	KSU-Manhattan	
144	KS970093-8-*1		HBK1064-3/KS84063-9-39-3-4W//X960103	KSU-Manhattan	
145	OK03515	HRW	Tkw//Karl92*2/CtyA-/3/Ogallala F4:10	OSU	
146	OK03522	HRW	N566/OK94P597 F4:10	OSU	
147	OK03609	HRW	OK95553/Cimarron F4:10	OSU	
148	OK03317	HRW	OK95553/OK92403 F4:10	OSU	
149	OK03619	HRW	OK94P557/Hickok F4:10	OSU	
150	TAM-107	HRW	PI 495594	check	
151	Karl 92	HRW	PI 564245	check	
152	Arapahoe	HRW	PI 518591	check	
153	local check 1		see comments	check	
154	local check 2		see comments	check	
155	local check 3		see comments	check	
156	OK03818	HRW	Custer/3/K92//Csm/366520	OSU	

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157	OK03305	HRW	N40/OK94P455 F4:10	OSU	
158	OK03311	HRW	OK92P577/2174//Jagger F4:10	OSU	
159	OK04819	HRW	5*Jagger/SA93 BC4F5:8 (SA18/03-6)	OSU	
160	OK03716W	HWW	Oro Blanco/OK92403 F4:10	OSU	
161	OK02518W	HWW	KS96WGRC39/Jagger F5:12	OSU	
162	OK02522W	HWW	KS96WGRC39/Jagger F5:12	OSU	
163	OK98G508W-2-30	HWW	Rio Blanco/KSWGRC10 F9:15	OSU	
164	OK00514W-sorted	HWW	KS96WGRC39/Jagger F3:13	OSU	
165	OK00514-sorted	HRW	KS96WGRC39/Jagger F3:13	OSU	
166	NX04Y2056	waxy	N95L1229/99Y1446	ARS-LNK	
167	NX04Y2058	waxy	N95L1229/99Y1446	ARS-LNK	
168	NX04Y2065	waxy	SD97W616//BaiHuoMai/Ike	ARS-LNK	
169	NX04Y2081	waxy	SD97063/99Y1443	ARS-LNK	
170	NX04Y2107	waxy	NW98S081/99Y1442	ARS-LNK	
171	NX04Y2109	waxy	99Y1435/NW97S151	ARS-LNK	
172	NX04Y2110	waxy	99Y1435/NW97S151	ARS-LNK	
173	NX04Y2117	waxy	TX97D6737//BaiHuoMai/Ike	ARS-LNK	
174	NX04Y2119	waxy	TX97D6737//BaiHuoMai/Ike	ARS-LNK	
175	NX04Y2123	waxy	99Y1445/W95-610W	ARS-LNK	
176	NX04Y2128	waxy	Redland/99Y1435	ARS-LNK	
177	NX04Y2176	waxy	X920663-B-14-1/99Y1449	ARS-LNK	
178	NW04Y2188	HWW	MO8/REDLAND//KS91H184/3*RIO BLANCO	ARS-LNK	
179	NW04Y2196	HWW	MO8/REDLAND//KS91H184/3*RIO BLANCO	ARS-LNK	
180	NW04Y2202	HWW	MO8/REDLAND//KS91H184/3*RIO BLANCO	ARS-LNK	
181	NW04Y2204	HWW	MO8/REDLAND//KS91H184/3*RIO BLANCO	ARS-LNK	
182	NW04Y2208	HWW	MO8/REDLAND//KS91H184/3*RIO BLANCO	ARS-LNK	
183	NW04Y2210	HWW	MO8/REDLAND//KS91H184/3*RIO BLANCO	ARS-LNK	
184	NW04Y2234	HWW	MO8/NE94406 (=NE86582//84MC29/NE82583)//KS91H184/3*RIO BLANCO	ARS-LNK	
185	NE04424	HRW	KS92H363-2/COUGAR SIB(=NE85707/TBIRD)//NE94632(=ABILENE/NORKAN//RAWHIDE)	UNL	
186	NE04435	HRW	Trego/NE96737(=N87V106/ME88582)	UNL	
187	NE04449	HRW	KS98HW22//W95-615W/N94L189	UNL	
188	NE04466	HRW	Trego/NE96737(=N87V106/ME88582)	UNL	
189	NE04475	HRW	NE97495(=NE88527(=SVCONSKIA/SXL)/NE86606(=WRR/SCUT//MOW6811/3/AGATE SIB/4/CODY/NE89526))//Wahoo sib	UNL	
190	NE04490	HRW	NE95589/NE94632(=ABILENE/NORKAN//RAWHIDE)//NE95510(=ABILENE/ARAPAHOE)	UNL	
191	NE04537	HRW	KS92H363-2/CULVER(=NE92419/ARAPAHOE)//NE96605(=ARAPAHOE/RAWHIDE)	UNL	
192	NE04550	HRW	N96L1224/KS98HW105	UNL	
193	NE04465	HRW	Trego/NE96737(=N87V106/ME88582)	UNL	
194	NE04653	HRW	N97S084//W96-500W/N95L158	UNL	
195	NE04662	HRW	imitolerant, imi12	UNL	

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196	NE04665	HRW	NE93427(=BEZ/CTK78//ARTHUR/CTK78/3/BENNET/NORKAN)/TX93V5720//N94L159	UNL	
197	NW04673	HWW	NIOBRARA/KS96HW10-1	UNL	
198	NW04685	HWW	N96V046/MTW9633//N97S320	UNL	
199	NI04411	HRW	NI97442(=TAM202/KARL/VISTA)/NE95510(ABILENE/ARAPAHOE)	UNL	
200	TAM-107	HRW	PI 495594	check	
201	Karl 92	HRW	PI 564245	check	
202	Arapahoe	HRW	PI 518591	check	
203	local check 1		see comments	check	
204	local check 2		see comments	check	
205	local check 3		see comments	check	
206	NI04416	HRW	W94-244-132(=TAM200/ABILENE/6/ERA/TOBARI66/LOVRIN11/3/OLIGOCULM/4/ARCHER/5/W81-171)//Millennium sib	UNL	
207	NI04420	HRW	NE96644(=ODESSKAYA P./CODY)/PAVON*3SCOUT66)/Wahoo sib	UNL	
208	NI05706	HRW	N97L162 (=KS831936-3//COLT/CODY)/ Wahoo	UNL	
209	NI05711	HRW	Wesley//NE88584/KSSB-369-7	UNL	
210	NI05713	HRW	WA691213-27/N86L177//N91L146/3/Nuplains	UNL	
211	NI05714	HRW	KS87W822-2-1/NE88427/	UNL	
212	NI05718W	HWW	Platte//KS82W418/Stephens/3/NE88584/KSSB-369-7	UNL	
213	NI05720W	HWW	KM 602-90/NE89657//Heyne	UNL	
214	NI05722W	HWW	KM 602-90/NE89657//KSSB-369-7/3/NE88584/KSSB-369-7	UNL	
215	NE01481-1	HRW	NE92458 (=OK83201/REDLAND)/Ike	UNL	
216	NE02592-1	HRW	W91-040/NE95656 (=684HBK1008)	UNL	
217	NI02425-1	HRW	Wahoo/AP7601	UNL	
218	Millennium-45	HRW	Millennium ALS1	UNL	IMI
219	Wahoo-1	HRW	Wahoo ALS1	UNL	IMI
220	Millennium-9	HRW	Millennium ALS2	UNL	IMI
221	Wahoo-4	HRW	Wahoo ALS2	UNL	IMI
222	SD03018	HRWW	KS93U139/N97S319//SD97448	SDSU	
223	SD03077	HRWW	TX95V4339/SD97287	SDSU	
224	SD03144	HRWW	KS96WGRC39/SD94149//SD93267	SDSU	
225	SD03171	HRWW	89118RC1-X-9-3-3/TX96D2845//Expedition	SDSU	
226	SD03177	HRWW	P92823A1/KS91077-A-2-1//Expedition	SDSU	
227	SD03178	HRWW	P92823A1/KS91077-A-2-1//Expedition	SDSU	
228	SD03184	HRWW	Goldfield/KS91077-A-2-1//Expedition	SDSU	
229	SD03188	HRWW	Delabrad/KS91048-L-2-1//Expedition	SDSU	
230	SD00111-9	HRWW	KS93U134/Arapahoe	SDSU	
231	SD00151-6	HRWW	KS94U328/KS84063-9-39-3-1W//SD93522	SDSU	
232	SD00151-7	HRWW	KS94U328/KS84063-9-39-3-1W//SD93522	SDSU	
233	SD00151-8	HRWW	KS94U328/KS84063-9-39-3-1W//SD93522	SDSU	
234	SD00258-1	HRWW	Millennium/NE93613	SDSU	

Table 1. 2006 Regional Germplasm Observation Nursery (RGON).

Entry	Line	putative market class	pedigree	source	protected trait?
235	SD00265-3	HRWW	NE94482/NE93613	SDSU	
236	SD98W175-1-13	HWWWW	KS84273BB-10/KSSB110-9//KS831374-141B/YE1110/3/KS82W418/SPN	SDSU	
237	SD98W175-1-14	HWWWW	KS84273BB-10/KSSB110-9//KS831374-141B/YE1110/3/KS82W418/SPN	SDSU	
238	SD01W064-1	HWWWW	RUSSIANPI592033/NE92458//NEKOTA	SDSU	
239	SD01W064-6	HWWWW	RUSSIANPI592033/NE92458//NEKOTA	SDSU	
240	SD01W070-3	HWWWW	IZVOTES/PRONGHORN	SDSU	
241	SD03W017	HWWWW	N97S195/SD97W641	SDSU	
242	SD03W018	HWWWW	N97S195/SD97W641	SDSU	
243	SD03W063	HWWWW	SD97W603/N97S343	SDSU	
244	SD03W078	HWWWW	X990285/SD97448//NW98S095	SDSU	
245	SD03W104	HWWWW	SD98153/SD98W209	SDSU	
246	SD03W140	HWWWW	OK95548-26/SD98W345	SDSU	
247	SD03W164	HWWWW	SD98219/NW98S095	SDSU	
248	TX01V5425WC	HRW	TX93V5722/JAGGER	TAMU	
249	TX01V5425RC	HRW	TX93V5722/JAGGER	TAMU	
250	TAM-107	HRW	PI 495594	check	
251	Karl 92	HRW	PI 564245	check	
252	Arapahoe	HRW	PI 518591	check	
253	local check 1		see comments	check	
254	local check 2		see comments	check	
255	local check 3		see comments	check	
256	TX01V5136WC	HRW	TAM-200/JAGGER	TAMU	
257	TX01V5136RC	HRW	TAM-200/JAGGER	TAMU	
258	TX01A7340	HRW	TX93V5723(TAM-200/TX82D5668)//JAGGER	TAMU	
259	TX02V8033	HRW	TX90V8410/KS84063-9-39-3	TAMU	
260	TX03M1008	HRW	TX97V1613/KS91WGRC11	TAMU	
261	TX02A0115	HRW	KS94WGRC29/TX84V1307	TAMU	
262	TX02A0252	HRW	TX90V6313//TX94V3724(TAM-200 BC41254-1-8-1-1//TX86V1405	TAMU	
263	TX03V76009	HRW	X96V060/TX95V5928	TAMU	
264	TX03V77023	HRW	96W105-4/TX94VT9034	TAMU	
265	04VA7-25	HRW	UNKNOWN	TAMU	
266	TX04M410009	HRW	TAM 110/KS89180B-2-1	TAMU	
267	TX04M410026	HRW	KS95H167-3//NORLANDER	TAMU	
268	TX04M410034	HRW	KS97W0935-29-15//MASON/JAGGER	TAMU	
269	TX04M410037	HRW	KS97W0935-29-15//MASON/JAGGER	TAMU	
270	TX04M410060	HRW	W95-301/TX96U1033	TAMU	
271	TX04M410067	HRW	TX93D2385//2137//VERDE	TAMU	
272	TX04M410068	HRW	TX93D2385//2137//VERDE	TAMU	
273	TX04M410071	HRW	TX93D2385//2137//VERDE	TAMU	

Table 1. 2006 Regional Germplasm Observation Nursery (RGON).

Entry	Line	putative market class	pedigree	source	protected trait?
274	TX04M410073	HRW	TX95V6214//BIG DAWG/TX92U2317	TAMU	
275	TX04M410081	HRW	TX96V2889/PECOS	TAMU	
276	TX04M410082	HRW	TX96V2889/PECOS	TAMU	
277	TX03V73029	HRW	01A0BS-16	TAMU	
278	TX03V75051	HRW	X96V040/TAM-202	TAMU	
279	04VA7-21	HRW	UNKNOWN	TAMU	
280	TX03A0123	HRW	TX88V4505/HBI0531-A2	TAMU	
281	TX04V072075	HRW	TX95D8907//TX92U2317/PECOS	TAMU	
282	TX04V072079	HRW	TX95D8907//TX92U2317/PECOS	TAMU	
283	TX04V076015	HRW	FLORIDA 304/JAGGER//PECOS/TX92U2317	TAMU	
284	TAM-107	HRW	PI 495594	check	
285	Karl 92	HRW	PI 564245	check	
286	Arapahoe	HRW	PI 518591	check	

Table 2. 2006 RGON: reactions to stem rust.

Entry	Line	Stem rust isolates						
		QFCS 03ND76C	MCCF 59KS19	RKQQ 99KS76A-1	TPMK 74MN1409	QTHJ 75ND717C	TTTT 01MN84A-1- 2	TTKS 04 KEN 156 2/15/06
1	TAM-107	2	2	;1-	2/S	2	2	2
2	Karl 92	2	2	2+	2	S	S	S
3	Arapahoe	;	;	2	;	2	2	2
4	McNair 701	-	-	-	-	-	-	S
5	Red Chief	-	-	-	-	-	-	S
6	2137	-	-	-	-	-	-	S
7	KS03HW158	2	2	2-	2+	2	2	2
8	KS03HW6-6 CL	2	2	;1	2+	2	2	2
9	KS04HW47-3	;1	;	;	2+	;1-	;1-	2-;
10	KS04HW95-1	;1	S	;1	S	;1	;1	S
11	KS04HW95-4	;1	;3	;1	S	0;	0;	S
12	KS04HW101-3	;1	;3	;1	S	;1	;1	S
13	KS04HW101-4	;1	;3	;1-	S	0;1	0;1	S
14	KS04HW119-3	;	2/;	X-	2++	S	S	S
15	KS05HW7	;	;	2	;1	2	2	2/S
16	KS05HW8	;	;	2/S	;	2N	2N	2;
17	KS05HW14	S	S	S	S	S	S	S
18	KS05HW15	;3/S	S	X/S	S	S	S	S
19	KS05HW28	;	;	;1	0;	;/2	;/2	;1
20	KS05HW34	;1	;1	S	;	S	S	S
21	KS05HW43	;1	;/3	S	;	;	;	S
22	KS05HW44	;1	;1	2+	;	S?	S?	;1/S
23	KS05HW53	X-	X-	X-	S	S	S	S
24	KS05HW54	X-	X-	X-	S	X	X	S
25	KS05HW55	X-	X-	X-	S	X-	X-	S

Table 2. 2006 RGON: reactions to stem rust.

Entry	Line	Stem rust isolates						
		QFCS 03ND76C	MCCF 59KS19	RKQQ 99KS76A-1	TPMK 74MN1409	QTHJ 75ND717C	TTTT 01MN84A-1- 2	TTKS 04 KEN 156 2/15/06
26	KS05HW86	2+	S	S	S	S	S	S
27	KS05HW91	2+	X-	;/S	S	S	S	S
28	KS05HW92	S	S	2+	S	S	S	S
29	KS05HW93	;3	;3	2+	S;	S	S	S
30	KS05HW120	X-	X-	X-	S	X-	X-	S
31	KS05HW121	X-	;1/2	X-	;/S	X-	X-	S
32	KS05HW122	X-	X-	X-	S	X-	X-	S
33	KS05HW134	2	2	2	2+	2	2	2
34	KS05HW135	2	2	2	2+	2+	2+	2
35	KS05HW136	2	2	2	2+	2	2	2
36	KS05HW162 CL	X-	X-	X-	X+	;3	;3	S
37	HV9W02-381Rdn	;	;	;	S;	S	S	S
38	HV9W02-452R	S/2	2	2	S	2+	2+	2+
39	HV9W98A-1003R	2++	S	2++	S	S	S	S
40	HV9W96-1383R	2-	2-	2-	2-	2	2	2+
41	HV9W96-1375R-2	2	2-	2	2	2-	2-	2
42	HV9W99-1016R	S	S	;1	2+/S	2+/S	2+/S	S
43	HV9W02-665R	;	;	0;	;1	;1	;1	S
44	HV9W02-832R	S	S	S	S	S	S	S
45	HV9W02-942R	;	0;	0	;	0;	0;	2-
46	HV9W02-966R	2	2-	2	2	2	2	2
47	HV9W98A-1024R-2	2	2	2	2	2	2	2
48	HV9W96-1271R-1	2	;1	2	2	2	2	2
49	HV9W97-2112R-4-1				2	2	2	2
50	TAM-107				2	2	2	2

Table 2. 2006 RGON: reactions to stem rust.

Entry	Line	Stem rust isolates						
		QFCS 03ND76C	MCCF 59KS19	RKQQ 99KS76A-1	TPMK 74MN1409	QTHJ 75ND717C	TTTT 01MN84A-1- 2	TTKS 04 KEN 156 2/15/06
51	Karl 92				2+	2	S	S
52	Arapahoe				;1C	2	2-	2
53	McNair 701				S	S	S	S
54	Red Chief				S	S	S	S
55	2137				S	S	S	S
56	HV9W97-2112R-4-2				2	2	2	2+
57	HV9W00-B243R				0;	;	0;	S
58	HV9W02-112W				;1+	S	2	S
59	HV9W02-267W				;	2+	S	S
60	HV9W02-271W				S	2	2+	S
61	HV9W02-323W				2++	2N	;1	S
62	HV9W02-243W				2	2	2-	S
63	HV9W02-1035W				S	S	2	2
64	HV9W96-1383W-1				;2	1+	2-2;	2-
65	HV9W96-1270W-1				2	2	2	2
66	HV9W96-1375W-2				S	2	2	2+
67	HV9W97-2112W-2-1				0/2-	2	2	2
68	HV9W97-2112W-2-2				0/2-	2	2	2
69	HV9W99-1016W				S	2+	S	S
70	HV9W96-1558W-3				0;	0;	2	2
71	HV9W96-1271R-1W				2-;	;1	2-;	2
72	HV9W00-B1551WP				2	2	2	2
73	CO02265				S/2/;	;1/2	.2/S	S/2+
74	CO02320-A1				S	2	S	2/S
75	CO02322-A2				0	S	S	S
76	CO02W040				S	2	S	S

Table 2. 2006 RGON: reactions to stem rust.

Entry	Line	Stem rust isolates						
		QFCS 03ND76C	MCCF 59KS19	RKQQ 99KS76A-1	TPMK 74MN1409	QTHJ 75ND717C	TTTT 01MN84A-1- 2	TTKS 04 KEN 156 2/15/06
77	CO02W214				32	;1/S	;1-/S	S
78	CO02W237				S	2	S	S
79	CO02W280				S	2	S	S
80	CO03011				0/S'	S	2+	S
81	CO03063				;/2'	2	2++	S
82	CO03064				.2/S	2	2++	2+/S
83	CO03343				;	2+	2	S
84	CO03373				0	1N	2++S	3-
85	CO03443				0;	2++	S	2
86	CO03451				;	S	2++/S	S
87	CO03621				.2/S	2+	.2/S	2/S
88	CO03637				S	S	.2/S	S
89	CO03W031				2+	2	22+	S
90	CO03W032				2++	X-	;1	2+/S
91	CO03W033				;	2+	S/2+	S
92	CO03W035				S	S	2++	2+
93	CO03W043				S	2+	2+	2
94	CO03W054				S	S	2+	S
95	CO03W108				;	0;	;/2	2
96	CO03W127				S	2+	S/2+	S
97	CO03W139				S	2	2+	2+
98	CO03W144				;	2+	S	S
99	CO03W146				S/;	2+	S	S
100	TAM-107				2	2	2	2
101	Karl 92				2+	2+	S	S

Table 2. 2006 RGON: reactions to stem rust.

Entry	Line	Stem rust isolates						
		QFCS 03ND76C	MCCF 59KS19	RKQQ 99KS76A-1	TPMK 74MN1409	QTHJ 75ND717C	TTTT 01MN84A-1- 2	TTKS 04 KEN 156 2/15/06
102	Arapahoe				;	1N	2	2
103	McNair 701				S/2+	S	S	S
104	Red Chief				S	S	S	S
105	2137				S	S	S	S
106	CO03W238				S	S	S	S
107	CO03W239				32	S	2++	S
108	CO03W253				S	S	S	2
109	CO03W259				S	S	S	S
110	CO03W261				S	S	S	2/S
111	CO03W262				S	S	S	2
112	CO03W263				S	S	S	S
113	CO03W267				S	S	S	S
114	CO03W269				S	2+	S	2
115	KS98W0259-4-5				;1	;1-	;	2
116	KS970187-1-10				S	1N	S	S
117	KS970223-12-1				;	0;	;1	2/S
118	KS04WKS-19				;	0;	;1	2
119	KS980512-1~1				S	0;	X-	S/2
120	KS990159-3~~7				;	0;	;1	2-
121	KS990160-4~~3				;1	;2	;1	0
122	KS990498-3-&~2				2	-	;1	S
123	KS970093-8-9-#1				2++	-	S	S
124	KS00F5-14-7-1-#1				S	-	;1	S
125	KS970274-14-*9				;2	-	;1	2
126	KS990043-3~~1				2	-	2-	S/2

Table 2. 2006 RGON: reactions to stem rust.

Entry	Line	Stem rust isolates						
		QFCS 03ND76C	MCCF 59KS19	RKQQ 99KS76A-1	TPMK 74MN1409	QTHJ 75ND717C	TTTT 01MN84A-1- 2	TTKS 04 KEN 156 2/15/06
127	KS990159-2~2				2-	-	2	2-
128	KS990160-4~5				;1	-	2-	2-
129	KS990183-4~1				2/;	-	0;1	2/S
130	KS990011-1~4				2	-	2	S
131	KS990156-2~3				;	-	2-	;
132	KS990159-2~14				;1	-	2-	2-
133	KS990159-3~11				0;	-	;1	;/S
134	KS990160-4~2				0;	-	2-	0;
135	KS980478-3~5				;	-	2-/S	;/S
136	KS990184-1~2				;12	-	2-	2-
137	KS980512-11~3				;;S	-	12	S
138	KS980554-12~9				S	-	S	S
139	KS980554-12~4				;12	-	;1/S	S
140	KS990524-3-&~1				;1	-	;1	1
141	KS990528-3-&~5				;/2	-	;1	2;
142	KS980191-1-2-#2				;3	-	0;1	S
143	KS980386-6-3-#1				2	-	2+	2
144	KS970093-8-*1				2++	-	S	S
145	OK03515				2	2	2	2
146	OK03522				2	2	2	2
147	OK03609				2	2-	;1	2
148	OK03317				;1	1-	;1	;1
149	OK03619				.2/S	2	S	S
150	TAM-107				2	2	2	2+
151	Karl 92				2	2	S	S

Table 2. 2006 RGON: reactions to stem rust.

Entry	Line	Stem rust isolates						
		QFCS 03ND76C	MCCF 59KS19	RKQQ 99KS76A-1	TPMK 74MN1409	QTHJ 75ND717C	TTTT 01MN84A-1- 2	TTKS 04 KEN 156 2/15/06
152	Arapahoe				;	2	2	2/S
153	McNair 701				S	S	S	S
154	Red Chief				S	S	S	S
155	2137				S	S	S	S
156	OK03818				.2/S	S	S	S
157	OK03305				S	2N	S	S
158	OK03311				;1	;1	;/2	S
159	OK04819				;	;	0;	;1
160	OK03716W				S	2+	S	2/S
161	OK02518W				X-	;1	;1	S
162	OK02522W				X-/S	;1	;	S
163	OK98G508W-2-30				S	2+	S	S
164	OK00514W-sorted				X-	;1	S/;	S
165	OK00514-sorted				X-	;1	;1/S	S
166	NX04Y2056				;1	2	X-	S
167	NX04Y2058				0;	S	S	S
168	NX04Y2065				0;	S	S	S
169	NX04Y2081				0;	1N	S	2
170	NX04Y2107				;	;	;1	S
171	NX04Y2109				2	;1N	S	S
172	NX04Y2110				-	2	S	2+
173	NX04Y2117				0;	2+	2++	S
174	NX04Y2119				2+	1N	2	S
175	NX04Y2123				2	2	2++	S
176	NX04Y2128				;	S	S	S

Table 2. 2006 RGON: reactions to stem rust.

Entry	Line	Stem rust isolates						
		QFCS 03ND76C	MCCF 59KS19	RKQQ 99KS76A-1	TPMK 74MN1409	QTHJ 75ND717C	TTTT 01MN84A-1- 2	TTKS 04 KEN 156 2/15/06
177	NX04Y2176				0;	0;	2+	S
178	NW04Y2188				2	2	2	2
179	NW04Y2196				2	2	2	2
180	NW04Y2202				2	2	2	2
181	NW04Y2204				2	2	2	2
182	NW04Y2208				2	2	2	2
183	NW04Y2210				2	2	2	2
184	NW04Y2234				;	2	.2/S	2
185	NE04424				2/;	2/S	2	S
186	NE04435				;1	2/S	2	S
187	NE04449				2	2	2	S
188	NE04466				;1	-	S	S
189	NE04475				;/S	-	.S/2	2+
190	NE04490				;/S	S	S	S
191	NE04537				;	2	2	2-
192	NE04550				;/2	;?	2+	2+
193	NE04465				;	2++	.S/2	S
194	NE04653				;	2	;1	2
195	NE04662				;/2	2	.2/S	2
196	NE04665				;1	2++/S	S	S
197	NW04673				2++	2+	2+	S
198	NW04685				2	2	2	2/S
199	NI04411				X	2	S	2
200	TAM-107				2	2	2	2
201	Karl 92				2+	2	S	S
202	Arapahoe				;	2	2	2-

Table 2. 2006 RGON: reactions to stem rust.

Entry	Line	Stem rust isolates					TTTT 01MN84A-1- 2	TTKS 04 KEN 156 2/15/06
		QFCS 03ND76C	MCCF 59KS19	RKQQ 99KS76A-1	TPMK 74MN1409	QTHJ 75ND717C		
203	McNair 701				S	S	S	S
204	Red Chief				S	S	S	S
205	2137				S	.S/2	S	S
206	NI04416				S/2/;	1N/2	.S/2	S
207	NI04420				;1	S	.2/S	S
208	NI05706				2/;	2	2	;1
209	NI05711				;	2++	S	S
210	NI05713				;	2	2	2-
211	NI05714				;/2	2	2	S/2
212	NI05718W				2	2+	;2	S/2
213	NI05720W				S;/1	;	S	S
214	NI05722W				2++	2+;/	;/S	S
215	NE01481-1				;	2	2++	2+
216	NE02592-1				;	;	;1	2-
217	NI02425-1				0;	2	2	2;
218	Millennium-45				;1	1N	S	2++
219	Wahoo-1				;1	1N	S	2++
220	Millennium-9				S	1N	S	2+
221	Wahoo-4				;	1N	S	S
222	SD03018				2	2	;2	2
223	SD03077				0;	S	S	S
224	SD03144				S	S	S	S
225	SD03171				;1	1N	S	S
226	SD03177				;	1N	S	S
227	SD03178				;/2/S	X-/2	.S/2	S

Table 2. 2006 RGON: reactions to stem rust.

Entry	Line	Stem rust isolates						
		QFCS 03ND76C	MCCF 59KS19	RKQQ 99KS76A-1	TPMK 74MN1409	QTHJ 75ND717C	TTTT 01MN84A-1- 2	TTKS 04 KEN 156 2/15/06
228	SD03184				S	1N/3N	S	S
229	SD03188				S	1N/;	S	2/S
230	SD00111-9				2	1N	2+	2
231	SD00151-6				;/S	;	S	2+/S
232	SD00151-7				-	0;	2	2-
233	SD00151-8				;/S	;	2	2
234	SD00258-1				2/;	2-	.2/S	0
235	SD00265-3				2	2	2	2
236	SD98W175-1-13				-	2	-	2
237	SD98W175-1-14				;	;	;	2-
238	SD01W064-1				2	2	2	;1
239	SD01W064-6				2	2	2	2-
240	SD01W070-3				-	2	2	1
241	SD03W017				;	-	S	S
242	SD03W018				;	1N	S	2+/S
243	SD03W063				;	-	2	2
244	SD03W078				2	1N/;	2	2
245	SD03W104				;	;	;1/S	;1/S
246	SD03W140				;1	2N	S	S
247	SD03W164				;/S	1N	.2/S	2/S
248	TX01V5425WC				;1	;	;1+	S
249	TX01V5425RC				;1	;	;1	S/2
250	TAM-107				2	2	.2/S	2
251	Karl 92				S	2	S	S
252	Arapahoe				;	2	2	2-

Table 2. 2006 RGON: reactions to stem rust.

Entry	Line	Stem rust isolates						
		QFCS 03ND76C	MCCF 59KS19	RKQQ 99KS76A-1	TPMK 74MN1409	QTHJ 75ND717C	TTTT 01MN84A-1- 2	TTKS 04 KEN 156 2/15/06
253	McNair 701				S	S	S	S
254	Red Chief				S	S	S	S
255	2137				S	S	S	S
256	TX01V5136WC				;1	;	;1	0;
257	TX01V5136RC				;1	;	;S	1/S
258	TX01A7340				;	;	X-	S
259	TX02V8033				;1	;	S	S
260	TX03M1008				2	2	2	2
261	TX02A0115				.S/2	2	2++	2+
262	TX02A0252				2	;	;1	;
263	TX03V76009				2	;	2	S
264	TX03V77023				S	S	S	S
265	04VA7-25				S	S	2+	S
266	TX04M410009				;1	2	;1	;1
267	TX04M410026				2	2N	;1	S
268	TX04M410034				;1	;	S	S
269	TX04M410037				;	;	S first leaf, X- second leaf	S
270	TX04M410060				;11+	;1	S	S
271	TX04M410067				;11+	;1/2	X-	S
272	TX04M410068				X-	;1	X-	S
273	TX04M410071				2	;1	X=	S
274	TX04M410073				S	2N/2	S	S
275	TX04M410081				;1	;1	X-	S
276	TX04M410082				X-	;	X	S
277	TX03V73029				;1	;	X	S

Table 2. 2006 RGON: reactions to stem rust.

Entry	Line	Stem rust isolates						
		QFCS 03ND76C	MCCF 59KS19	RKQQ 99KS76A-1	TPMK 74MN1409	QTHJ 75ND717C	TTTT 01MN84A-1- 2	TTKS 04 KEN 156 2/15/06
278	TX03V75051				S	2	-	S
279	04VA7-21				2	2	2	2
280	TX03A0123				2	2	2	3-
281	TX04V072075				;1	;	;	;1/S
282	TX04V072079				;1	;	;	S
283	TX04V076015				;	0;	;1	3-
284	TAM-107				2	2	2	2++
285	Karl 92				2	2	S	S
286	Arapahoe				;	2	2	2

"S" denotes susceptible, infection type (IT) 3 or 4.

"/" denotes heterogeneous, the predominant type given first.

"low IF" denotes low infection frequency or low pustule density

"N" denotes prominent necrosis associated with pustules

"C" denotes prominent chlorosis associated with pustules

Table 3: 2006 RGON, reactions to viruses, Hessian fly and leaf rust.

Entry Line	WSMV, Hays, KS	WSBMV&WS SMV (1-4)	Reaction to Hessian Fly:	Seedling leaf rust, Stillwater, OK	Field Leaf Rust, St. Paul. MN
	Planted 10/19/05	03/02/06	Local checks = Karl92, S; lke H+, H13 & H21, R	Stakeman's rating	6/26/2006
1 TAM-107	5	3	S	3	40 S
2 Karl 92	8	1	S	3	30 S
3 Arapahoe	7	3	S	X;3-	TR
Hawk		1		3	
Sierra		3		3+	
Vona		4		3	
4 Overley	5				
5 Danby	5				
6 Larned	7				
McNair 701					40 S/5 R
Red Chief					20 S
2137					20 MS
7 KS03HW158	7	1	S	X;3-	10 MS
8 KS03HW6-6 CL	7	2	S	3-	10 MR
9 KS04HW47-3	6	1	S	3-	5 R
10 KS04HW95-1	7	4	H	3+	TR
11 KS04HW95-4	7	4	H	3+	TR
12 KS04HW101-3	7	4	S	3-	TR
13 KS04HW101-4	7	4	S	;	TR
14 KS04HW119-3	7	3	S	3+	10 MS
15 KS05HW7	5	2	H-	3+	10 MS
16 KS05HW8	5	2	S	3	20 MS
17 KS05HW14	7	1	S	3	50 MS
18 KS05HW15	8	1	S	3+	40 MS
19 KS05HW28	7	1	S	3-	10 MR
20 KS05HW34	7	4	R	3+	50 MS-S
21 KS05HW43	7	3	H-	3	20 MS
22 KS05HW44	7	3	H	3-	30 MS
23 KS05HW53	7	2	S	3+	30 S
24 KS05HW54	7	1	S	3	10 MS
25 KS05HW55	6	1	S	3+	20 MS
26 KS05HW86	7	4	H-	3+	20 MS
27 KS05HW91	5	1	S	3+	20 MR-MS
28 KS05HW92	7	1	S	3+	30 MS
29 KS05HW93	7	1	S	3	5 R
30 KS05HW120	7	1	H	3	40 MS
31 KS05HW121	7	1	H	3	10 MR-MS
32 KS05HW122	7	1	S	3	5 R
33 KS05HW134	4	2	S	X;3-	40 MS
34 KS05HW135	4	2	S	X;3-	30 MS
35 KS05HW136	4	2	S	3-	30 MS
36 KS05HW162 CL	7	2	S	3-	TR
37 HV9W02-381Rdn	7	3	S	3+	5 R
38 HV9W02-452R	7	2	S	3+	40 S
39 HV9W98A-1003R	7	1	S	3	30 MS

Table 3: 2006 RGON, reactions to viruses, Hessian fly and leaf rust.

Entry Line	WSMV, Hays, KS	WSBMV&WS SMV (1-4)	Reaction to Hessian Fly:	Seedling leaf rust, Stillwater, OK	Field Leaf Rust, St. Paul, MN
	Planted 10/19/05	03/02/06	Local checks = Karl92, S; lke H+, H13 & H21, R	Stakeman's rating	6/26/2006
40 HV9W96-1383R	7	1	S	3+	20 MR-MS
41 HV9W96-1375R-2	8	1	S	3+	30 MS
42 HV9W99-1016R	5	1	S	3+	40 MS-S
43 HV9W02-665R	8	1	S	3-	5 R-MR
44 HV9W02-832R	7	1	S	X;3-	5 R-MR
45 HV9W02-942R	7	1	S	3-	TR
46 HV9W02-966R	7	1	S	3	10 MS
47 HV9W98A-1024R-2	5	1	S	3	10 MS-S
48 HV9W96-1271R-1	7	1	S	X;3-	5 R-MR
49 HV9W97-2112R-4-1	8	1	S	3	20 MR-MS
50 TAM-107	5	3	S	3+	40 MS
51 Karl 92	8	1	S	3	30 MS
52 Arapahoe	7	4	S	X;3-	5 R-MR
Hawk		1		3-	
Sierra		3		3-	
Vona		3		3+	
53 Overlay	7				
54 Danby	4				
55 Larned	8				
McNair 701					50 S
Red Chief					20 S
2137					30 MR-MS
56 HV9W97-2112R-4-2	7	3	S	3+	40 MR-MS
57 HV9W00-B243R	5	1	S	3-	5 MR
58 HV9W02-112W	5	2	H	;	20 MS
59 HV9W02-267W	8	4	S	3+	30 S
60 HV9W02-271W	8	4	S	3+	10 MR
61 HV9W02-323W	7	4	H	3	50 MS-S
62 HV9W02-243W	7	3	H	3	30 MR-MS
63 HV9W02-1035W	7	1	S	3+	40 MR-MS
64 HV9W96-1383W-1	7	1	S	3-	10 MR
65 HV9W96-1270W-1	7	1	S	3+	30 MR-MS
66 HV9W96-1375W-2	7	1	S	3	50 MR-MS
67 HV9W97-2112W-2-1	7	1	S	3-	30 MR-MS
68 HV9W97-2112W-2-2	7	1	S	3+	40 MR-MS
69 HV9W99-1016W	7	2	S	3	40 S
70 HV9W96-1558W-3	7	1	S	3	30 S
71 HV9W96-1271R-1W	7	1	S	3	20 R-MR
72 HV9W00-B1551WP	7	1	S	3+	40 MS
73 CO02265	5	4	H	3-	10 S
74 CO02320-A1	5	4	S	3	10 S
75 CO02322-A2	5	2	S	3	20 MS-S
76 CO02W040	7	1	S	3	40 MS-S
77 CO02W214	5	1	S	3	10 S
78 CO02W237	7	3	S	3-	20 MR-MS
79 CO02W280	7	4	SS	3+	20 MS-S

Table 3: 2006 RGON, reactions to viruses, Hessian fly and leaf rust.

Entry Line	WSMV, Hays, KS	WSBMV&WS SMV (1-4)	Reaction to Hessian Fly:	Seedling leaf rust, Stillwater, OK	Field Leaf Rust, St. Paul, MN
	Planted 10/19/05	03/02/06	Local checks = Karl92, S; lke H+, H13 & H21, R	Stakeman's rating	6/26/2006
80 CO03011	7	4	S	3	50 S
81 CO03063	5	2	S	3	50 S
82 CO03064	5	4	S	3-	60 S
83 CO03343	7	4	S	3	50 MS
84 CO03373	7	2	S	X;3-	10 MR
85 CO03443	7	1	S	3+	40 MS-S
86 CO03451	7	1	H-	3	30 MS-S
87 CO03621	6	2	S	3	40 MS-S
88 CO03637	6	2	S	3	50 MS
89 CO03W031	5	3	S	3-	50 S
90 CO03W032	7	1	S	3	5 MR
91 CO03W033	5	2	H	3+	20 MR-MS
92 CO03W035	7	1	S	3-	20 R-MR
93 CO03W043	8	1	S	3	30 MS-S
94 CO03W054	5	3	S	3	20 MR-MS
95 CO03W108	5	1	S	3+	20 MS-S
96 CO03W127	5	2	S	3+	20 MS
97 CO03W139	5	1	S	3+	40 MS-S
98 CO03W144	6	2	S	3	30 MR-MS
99 CO03W146	7	3	S	3	20 MR-MS
100 TAM-107	5	3	S	3+	60 MS-S
101 Karl 92	7	1	S	3	60 MS-S
102 Arapahoe	7	3	H	X;3=	5 R
Hawk		1		3+	
Sierra		3		3	
Vona		4		3+	
103 Overley	6				
104 Danby	4				
105 Larned	7				
McNair 701					20 S
Red Chief					-
2137					60 S
106 CO03W238	7	1	S	3	60 S
107 CO03W239	7	3	S	X;3	50 MS
108 CO03W253	7	3	S	3+	60 S
109 CO03W259	7	3	S	3	70 S
110 CO03W261	5	3	S	3+	60 S
111 CO03W262	6	3	S	3+	50 MR-MS
112 CO03W263	7	3	S	3+	70 S
113 CO03W267	7	4	S	3	70 S
114 CO03W269	7	4	S	3+	70 MS-S
115 KS98W0259-4-5	7	1	S	3-	5 R-MR
116 KS970187-1-10	8	2	S	X;3=	10 R-MR
117 KS970223-12-1	8	1	S	3	5 R
118 KS04WKS-19	5	1	S	;	TR
119 KS980512-1-1	5	1	S	3	5 R
120 KS990159-3--7	7	1	S	4	5 R

Table 3: 2006 RGON, reactions to viruses, Hessian fly and leaf rust.

Entry Line	WSMV, Hays, KS	WSBMV&WS SMV (1-4)	Reaction to Hessian Fly:	Seedling leaf rust, Stillwater, OK	Field Leaf Rust, St. Paul, MN
	Planted 10/19/05	03/02/06	Local checks = Karl92, S; lke H+, H13 & H21, R	Stakeman's rating	6/26/2006
121 KS990160-4--3	5	1	S	3-	5 R
122 KS990498-3-&-2	5	1	S	3-	5 MR
123 KS970093-8-9-#1	7	1	R	3+	10 R-MR
124 KS00F5-14-7-1-#1	5	1	S	;	TR
125 KS970274-14-*9	5	2	S	X;3	10 R-MR
126 KS990043-3--1	6	2	S	3+	5 MR
127 KS990159-2--2	6	2	S	3	20 R-MR
128 KS990160-4--5	4	1	S	3	TR/30 MS
129 KS990183-4--1	5	2	H	X;3-	20 R-MR
130 KS990011-1-4	7	2	S	3	50 MR-MS
131 KS990156-2--3	5	2	S	3+	10 MS
132 KS990159-2--14	7	1	S	3+	5 R
133 KS990159-3--11	6	1	S	X;3	5 R
134 KS990160-4--2	6	1	S	3	5 R
135 KS980478-3--5	6	1	S	3	5 R/40 S
136 KS990184-1--2	7	3	S	;	20 S
137 KS980512-11--3	4	1	S	;	TR
138 KS980554-12--9	7	1	S	3-	-
139 KS980554-12--4	7	1	S	;	5 MR
140 KS990524-3-&-1	5	1	H	3-	5 R-MR
141 KS990528-3-&-5	5	1	R-	;	50 MS
142 KS980191-1-2-#2	5	1	S	;	TR
143 KS980386-6-3-#1	5	1	S	3	5 MR
144 KS970093-8-*1	7	1	S	3-	-
145 OK03515	7	1	S	3-	50 MS-S
146 OK03522	7	1	S	;	5 MR
147 OK03609	8	1	S	3	30 MS
148 OK03317	5	1	S	3	20 R-MR
149 OK03619	6	1	S	3-	10 R-MR
150 TAM-107	5	3	S	4	50 MS-S
151 Karl 92	7	1	S	3	50 MS-S
152 Arapahoe	7	3	H	X;3=	5 R-MR
Hawk		1		3+	
Sierra		2		3	
Vona		3		3	
153 Overley	6				
154 Danby	5				
155 Larned	8				
McNair 701					-
Red Chief					20 S
2137					50 S
156 OK03818	8	2	S	3-	50 MS-S
157 OK03305	6	1	S	X;3-	5 MR
158 OK03311	5	2	H	3	5 MR
159 OK04819	5	2	S	;	10 MR
160 OK03716W	7	3	H	3+	30 S

Table 3: 2006 RGON, reactions to viruses, Hessian fly and leaf rust.

Entry Line	WSMV, Hays, KS	WSBMV&WS SMV (1-4)	Reaction to Hessian Fly:	Seedling leaf rust, Stillwater, OK	Field Leaf Rust, St. Paul. MN
	Planted 10/19/05	03/02/06	Local checks = Karl92, S; lke H+, H13 & H21, R	Stakeman's rating	6/26/2006
161 OK02518W	5	1	S	;	30 MS
162 OK02522W	5	1	S	3	30 S
163 OK98G508W-2-30	7	2	S	3-	40 S
164 OK00514W-sorted	5	2	S	3	10 MR
165 OK00514-sorted	7	2	S	;	10 MR
166 NX04Y2056	7	3	S	3+	60 S
167 NX04Y2058	7	3	S	X;3-	60 S
168 NX04Y2065	7	2	S	3	60 S
169 NX04Y2081	7	3	S	3	20 MS-S
170 NX04Y2107	7	2	S	3+	10 MR-MS
171 NX04Y2109	7	2	S	;	5 R-MR
172 NX04Y2110	7	2	S	3	50 MS-S
173 NX04Y2117	7	1	S	;	50 MS
174 NX04Y2119	7	3	S	3=	-
175 NX04Y2123	7	3	S	3+	60 MS
176 NX04Y2128	7	3	S	3	40 MS
177 NX04Y2176	7	1	S	3+	60 S
178 NW04Y2188	1	3	S	3+	40 MS
179 NW04Y2196	1	3	S	3+	70 S
180 NW04Y2202	1	3	S	3+	70 S
181 NW04Y2204	1	2	H	3+	70 S
182 NW04Y2208	1	1	S	3+	80 S
183 NW04Y2210	1	1	S	3+	60 MS
184 NW04Y2234	1	1	S	3	60 S
185 NE04424	7	1	R	3+	70 S
186 NE04435	7	3	H	3	10 MR
187 NE04449	7	1	S	X;3-	50 MS-S
188 NE04466	7	3	S	3-	10 MR
189 NE04475	7	3	S	3-	10 R-MR
190 NE04490	7	1	R	4	60 S
191 NE04537	7	3	H	3	10 MR
192 NE04550	5	1	S	3+	60 S
193 NE04465	6	3	S	3+	10 MR
194 NE04653	7	1	S	3+	10 MS
195 NE04662	7	3	H+	3+	20 S/70 S
196 NE04665	5	1	S	3+	70 S
197 NW04673	7	2	S	3-	70 S
198 NW04685	7	1	S	X;3=	10 MR-MS
199 NI04411	7	2	S	3	20 MR-MS

Table 3: 2006 RGON, reactions to viruses, Hessian fly and leaf rust.

Entry Line	WSMV, Hays, KS	WSBMV&WS SMV (1-4)	Reaction to Hessian Fly:	Seedling leaf rust, Stillwater, OK	Field Leaf Rust, St. Paul. MN
	Planted 10/19/05	03/02/06	Local checks = Karl92, S; lke H+, H13 & H21, R	Stakeman's rating	6/26/2006
200 TAM-107	5	3	S	3	30 MR-MS
201 Karl 92	7	1	S	3+	70 S
202 Arapahoe	7	3	H	X;3=	TR
Hawk		1		3+	
Sierra		2		3+	
Vona		4		3	
203 Overley					
204 Danby	4				
205 Larned	8				
McNair 701					20 S
Red Chief					60 S
2137					60 MS-S
206 NI04416	7	3	S	3-	20 MS
207 NI04420	6	1	S	3+	50 MS
208 NI05706	5	3	H	3	5 MR
209 NI05711	7	2	S	3	20 MS
210 NI05713	7	2	S	X;3	20 MR-MS
211 NI05714	5	4	S	3+	40 S
212 NI05718W	5	1	S	3	10 MR
213 NI05720W	7	3	S	3	5 MR
214 NI05722W	7	3	S	3	20 S/70 S
215 NE01481-1	8	2	S	X;3-	10 R-MR
216 NE02592-1	5	3	S	3+	TR
217 NI02425-1	5	1	S	3	-
218 Millennium-45	7	4	S	3-	50 S
219 Wahoo-1	7	4	S	3	50 MS-S
220 Millennium-9	7	4	S	3+	20 MR
221 Wahoo-4	7	4	H+	X;3-	50 MS
222 SD03018	7	1	S	3	5 MR
223 SD03077	6	2	S	X;3=	TR
224 SD03144	7	3	S	3	20 MS
225 SD03171	7	2	S	3	40 MR-MS
226 SD03177	5	2	S	3	30 MS
227 SD03178	5	2	S	3	10 R
228 SD03184	5	1	H-	3	50 MS
229 SD03188	7	2	S	3+	10 MR
230 SD00111-9	7	1	H-	X;3-	10 R-MR
231 SD00151-6	7	2	S	3+	40 MR-MS
232 SD00151-7	7	3	S	3	5 R
233 SD00151-8	7	2	S	3	5 R
234 SD00258-1	7	3	H+	X;3-	5 MR
235 SD00265-3	7	3	R-	3	10 R-MR
236 SD98W175-1-13	7	3	S	3	20 MR-MS
237 SD98W175-1-14	5	1	S	3-	5 MR
238 SD01W064-1	7	1	S	3	10 S
239 SD01W064-6	6	1	S	3	10 S
240 SD01W070-3	5	2	S	3	40 S

Table 3: 2006 RGON, reactions to viruses, Hessian fly and leaf rust.

Entry Line	WSMV, Hays, KS	WSBMV&WS SMV (1-4)	Reaction to Hessian Fly:	Seedling leaf rust, Stillwater, OK	Field Leaf Rust, St. Paul, MN
	Planted 10/19/05	03/02/06	Local checks = Karl92, S; lke H+, H13 & H21, R	Stakeman's rating	6/26/2006
241 SD03W017	7	1	S	3-	10 MR-MS
242 SD03W018	7	1	S	X;3-	5 MR
243 SD03W063	5	2	S	3-	5 R-MR
244 SD03W078	6	3	S	3+	20 S
245 SD03W104	6	3	S	3+	40 S
246 SD03W140	7	3	H	3-	30 MR-MS
247 SD03W164	7	2	S	3	20 MR
248 TX01V5425WC	5	1	H-	X;3-	20 MR-MS
249 TX01V5425RC	5	1	S	3-	TR
250 TAM-107	5	2	S	4	40 MS
251 Karl 92	7	1	S	3+	40 MS
252 Arapahoe	7	3	H	X;3=	5 R
Hawk		1		3+	
Sierra		2		3	
Vona		4		3	
253 Overlay					
254 Danby	5				
255 Larned	8				
McNair 701					-
Red Chief					30 S
2137					60 S
256 TX01V5136WC	7	2	S	3	TR
257 TX01V5136RC	7	3	S	3=	-
258 TX01A7340	5	1	S	3=	-
259 TX02V8033	7	1	S	X;3	TR
260 TX03M1008	7	1	S	3+	TR
261 TX02A0115	5	2	S	X;3-	-
262 TX02A0252	5	2	S	3-	50 MS-S
263 TX03V76009	7	3	S	X;3-	20 MR
264 TX03V77023	7	4	S	3-	40 MS
265 04VA7-25	7	1	R-	3-	10 MR
266 TX04M410009	7	2	S	X;3	TR
267 TX04M410026	7	1	S	3-	TR
268 TX04M410034	5	1	S	;	TR
269 TX04M410037	5	1	S	3=	TR
270 TX04M410060	8	2	S	3	TR
271 TX04M410067	5	3	S	3-	TR
272 TX04M410068	5	3	S	;	TR
273 TX04M410071	5	3	S	X;3-	-
274 TX04M410073	7	1	S	3	5 MR
275 TX04M410081	8	2	S	X;3-	TR
276 TX04M410082	7	1	S	;	TR
277 TX03V73029	5	2	S	3+	-
278 TX03V75051	8	1	S	3+	-
279 04VA7-21	7	2	S	3	TR
280 TX03A0123	7	4	S	X;3=	-
281 TX04V072075	5	3	S	;	-
282 TX04V072079	5	4	S	;	5 MR
283 TX04V076015	7	2	S	X;3	-
284 TAM-107	5	3	S	3+	20 MS
285 Karl 92	8	1	S	3+	TR
286 Arapahoe	7	3	H	X;3=	TR

Table 4. 2006 RGON: Agronomic traits.

Entry	Line	Acid soil tolerance, Enid, OK			Winter hardiness,
		AST 1	AST 2	AST 3	Williston, ND Vigor (0-9), 5/24/06
1	TAM-107	5	5	5	4
2	Karl 92	4	4	4	3
3	Arapahoe	3	2	2	5
4	OK Bullet	2	2	2	
5	TAM 110	5	4	4	
6	Endurance	1	1	1	
	Jerry				7
	Yellowstone				6
	Rampart				5
7	KS03HW158	5	5	5	4
8	KS03HW6-6 CL	3	3	2	4
9	KS04HW47-3	3	4	4	5
10	KS04HW95-1	4	3	4	3
11	KS04HW95-4	4	3	4	5
12	KS04HW101-3	4	5	5	4
13	KS04HW101-4	4	5	5	4
14	KS04HW119-3	2	1	1	5
15	KS05HW7	5	3	3	5
16	KS05HW8	5	4	4	5
17	KS05HW14	5	5	5	5
18	KS05HW15	5	5	4	4
19	KS05HW28	5	5	5	4
20	KS05HW34	3	2	2	3
21	KS05HW43	3	2	2	4
22	KS05HW44	3	3	3	5
23	KS05HW53	3	2	3	3
24	KS05HW54	2	2	2	4
25	KS05HW55	1	2	3	4
26	KS05HW86	2	2	2	3
27	KS05HW91	4	3	4	4
28	KS05HW92	3	2	4	3
29	KS05HW93	4	4	5	3
30	KS05HW120	1	1	1	4
31	KS05HW121	3	1	1	4
32	KS05HW122	2	1	1	4
33	KS05HW134	3	2	3	4
34	KS05HW135	4	2	3	3
35	KS05HW136	2	1	3	4
36	KS05HW162 CL	3	1	2	3
37	HV9W02-381Rdn	1	1	2	4
38	HV9W02-452R	2	3	3	4
39	HV9W98A-1003R	4	4	5	3
40	HV9W96-1383R	3	2	2	5
41	HV9W96-1375R-2	3	2	3	4
42	HV9W99-1016R	2	1	2	2
43	HV9W02-665R	3	2	3	5
44	HV9W02-832R	1	2	2	2
45	HV9W02-942R	5	5	5	3
46	HV9W02-966R	4	5	5	5

Table 4. 2006 RGON: Agronomic traits.

Entry	Line	Acid soil tolerance, Enid, OK			Winter hardiness,
		AST 1	AST 2	AST 3	Williston, ND Vigor (0-9), 5/24/06
47	HV9W98A-1024R-2	1	1	1	3
48	HV9W96-1271R-1	1	2	2	4
49	HV9W97-2112R-4-1	0	0	0	4
50	TAM-107	5	5	5	2
51	Karl 92	5	4	4	5
52	Arapahoe	4	2	2	4
53	OK Bullet	2	2	2	
54	TAM 110	5	4	4	
55	Endurance	1	0	1	
	Jerry				6
	Yellowstone				6
	Rampart				3
56	HV9W97-2112R-4-2	1	2	3	4
57	HV9W00-B243R	3	1	0	3
58	HV9W02-112W	4	1	2	4
59	HV9W02-267W	4	4	4	4
60	HV9W02-271W	2	1	1	5
61	HV9W02-323W	2	2	3	4
62	HV9W02-243W	2	2	2	3
63	HV9W02-1035W	4	5	5	2
64	HV9W96-1383W-1	2	1	2	4
65	HV9W96-1270W-1	4	3	3	5
66	HV9W96-1375W-2	2	3	3	4
67	HV9W97-2112W-2-1	3	2	3	5
68	HV9W97-2112W-2-2	3	2	2	4
69	HV9W99-1016W	4	2	3	5
70	HV9W96-1558W-3	1	1	2	4
71	HV9W96-1271R-1W	2	1	2	3
72	HV9W00-B1551WP	2	1	3	4
73	CO02265	5	5	5	4
74	CO02320-A1	3	3	2	3
75	CO02322-A2	3	2	3	5
76	CO02W040	3	3	3	3
77	CO02W214	3	2	3	3
78	CO02W237	3	3	3	5
79	CO02W280	3	2	4	3
80	CO03011	4	4	3	5
81	CO03063	3	3	3	4
82	CO03064	4	3	4	4
83	CO03343	3	4	4	5
84	CO03373	5	4	5	4
85	CO03443	5	5	5	4
86	CO03451	4	3	3	5
87	CO03621	5	4	4	2
88	CO03637	5	5	5	4
89	CO03W031	2	2	3	3
90	CO03W032	3	3	2	3
91	CO03W033	4	4	4	4
92	CO03W035	5	4	5	4

Table 4. 2006 RGON: Agronomic traits.

Entry	Line	Acid soil tolerance, Enid, OK			Winter hardiness,
		AST 1	AST 2	AST 3	Williston, ND Vigor (0-9), 5/24/06
93	CO03W043	4	3	3	4
94	CO03W054	3	1	1	4
95	CO03W108	3	2	1	4
96	CO03W127	3	4	4	4
97	CO03W139	4	4	4	4
98	CO03W144	3	1	1	4
99	CO03W146	5	4	4	5
100	TAM-107	5	5	5	4
101	Karl 92	4	4	3	3
102	Arapahoe	3	2	2	6
103	OK Bullet	2	2	2	
104	TAM 110	5	4	3	
105	Endurance	2	1	1	
	Jerry				7
	Yellowstone				7
	Rampart				5
106	CO03W238	3	3	4	3
107	CO03W239	4	2	1	5
108	CO03W253	5	5	5	4
109	CO03W259	5	5	4	4
110	CO03W261	5	4	4	4
111	CO03W262	3	2	1	3
112	CO03W263	4	4	3	4
113	CO03W267	3	2	1	2
114	CO03W269	5	5	4	1
115	KS98W0259-4-5	2	2	2	2
116	KS970187-1-10	3	3	4	2
117	KS970223-12-1	0	2	3	2
118	KS04WKS-19	2	2	2	3
119	KS980512-1~1	2	2	1	1
120	KS990159-3--7	3	3	3	4
121	KS990160-4--3	3	2	3	3
122	KS990498-3-&~2	4	4	4	1
123	KS970093-8-9-#1	2	2	3	4
124	KS00F5-14-7-1-#1	5	5	5	2
125	KS970274-14-*9	3	3	3	2
126	KS990043-3--1	3	1	2	3
127	KS990159-2--2	5	5	5	2
128	KS990160-4--5	4	3	3	4
129	KS990183-4--1	2	2	3	2
130	KS990011-1~4	3	1	2	2
131	KS990156-2--3	3	4	4	3
132	KS990159-2--14	5	5	5	2
133	KS990159-3--11	3	3	4	3
134	KS990160-4--2	2	3	3	3
135	KS980478-3--5	3	2	2	2
136	KS990184-1--2	3	2	3	3
137	KS980512-11--3	1	2	2	3
138	KS980554-12--9	2	1	2	2

Table 4. 2006 RGON: Agronomic traits.

Entry	Line	Acid soil tolerance, Enid, OK			Winter hardiness,
		AST 1	AST 2	AST 3	Williston, ND Vigor (0-9), 5/24/06
139	KS980554-12--4	2	2	2	4
140	KS990524-3-&-1	2	2	1	3
141	KS990528-3-&-5	3	3	4	3
142	KS980191-1-2-#2	3	2	2	3
143	KS980386-6-3-#1	3	2	3	2
144	KS970093-8-*1	3	1	3	3
145	OK03515	4	4	5	3
146	OK03522	4	3	3	2
147	OK03609	4	3	4	4
148	OK03317	3	2	2	3
149	OK03619	3	3	3	2
150	TAM-107	5	5	5	4
151	Karl 92	4	3	4	3
152	Arapahoe	3	2	3	4
153	OK Bullet	1	1	1	
154	TAM 110	5	4	3	
155	Endurance	1	1	2	
	Jerry				7
	Yellowstone				6
	Rampart				5
156	OK03818	4	4	4	3
157	OK03305	3	2	3	2
158	OK03311	1	2	3	3
159	OK04819	3	3	1	2
160	OK03716W	3	1	1	3
161	OK02518W	3	2	2	4
162	OK02522W	3	2	2	1
163	OK98G508W-2-30	4	4	4	4
164	OK00514W-sorted	3	1	1	3
165	OK00514-sorted	3	1	1	2
166	NX04Y2056	3	1	2	2
167	NX04Y2058	3	1	2	2
168	NX04Y2065	5	4	4	2
169	NX04Y2081	4	2	2	3
170	NX04Y2107	2	1	2	1
171	NX04Y2109	4	4	3	2
172	NX04Y2110	4	3	4	2
173	NX04Y2117	3	2	3	2
174	NX04Y2119	3	2	3	2
175	NX04Y2123	2	2	1	2
176	NX04Y2128	3	2	4	3
177	NX04Y2176	3	3	3	3
178	NW04Y2188	3	1	2	1
179	NW04Y2196	3	3	4	5
180	NW04Y2202	4	3	4	3
181	NW04Y2204	4	4	3	4
182	NW04Y2208	3	3	3	4
183	NW04Y2210	4	3	2	3
184	NW04Y2234	5	5	5	3

Table 4. 2006 RGON: Agronomic traits.

Entry	Line	Acid soil tolerance, Enid, OK			Winter hardiness,
		AST 1	AST 2	AST 3	Williston, ND Vigor (0-9), 5/24/06
185	NE04424	2	2	2	4
186	NE04435	3	1	1	4
187	NE04449	3	3	4	6
188	NE04466	4	3	3	4
189	NE04475	3	2	2	3
190	NE04490	3	3	1	5
191	NE04537	3	2	2	1
192	NE04550	3	2	1	3
193	NE04465	3	3	4	6
194	NE04653	2	1	1	3
195	NE04662	4	4	3	5
196	NE04665	4	3	2	4
197	NW04673	1	2	3	2
198	NW04685	1	1	1	3
199	NI04411	4	2	1	3
200	TAM-107	5	5	4	5
201	Karl 92	5	4	3	3
202	Arapahoe	3	2	3	3
203	OK Bullet	2	1	2	
204	TAM 110	5	4	4	
205	Endurance	1	1	1	
	Jerry				7
	Yellowstone				6
	Rampart				4
206	NI04416	5	4	3	4
207	NI04420	3	1	1	3
208	NI05706	3	3	4	4
209	NI05711	2	1	2	4
210	NI05713	4	2	1	3
211	NI05714	3	3	3	4
212	NI05718W	1	3	3	3
213	NI05720W	3	3	2	2
214	NI05722W	2	3	2	3
215	NE01481-1	2	2	3	1
216	NE02592-1	3	3	2	4
217	NI02425-1	3	2	3	3
218	Millennium-45	2	1	1	3
219	Wahoo-1	3	2	2	5
220	Millennium-9	4	3	4	4
221	Wahoo-4	3	1	1	3
222	SD03018	3	2	2	5
223	SD03077	4	4	4	3
224	SD03144	2	1	2	6
225	SD03171	3	3	4	2
226	SD03177	3	3	3	1
227	SD03178	2	2	3	2
228	SD03184	2	2	3	1
229	SD03188	4	3	4	2
230	SD00111-9	4	4	4	2

Table 4. 2006 RGON: Agronomic traits.

Entry	Line	Acid soil tolerance, Enid, OK			Winter hardiness,
		AST 1	AST 2	AST 3	Williston, ND Vigor (0-9), 5/24/06
231	SD00151-6	3	2	3	1
232	SD00151-7	2	2	3	2
233	SD00151-8	3	3	3	2
234	SD00258-1	4	4	3	1
235	SD00265-3	3	4	3	2
236	SD98W175-1-13	5	4	3	2
237	SD98W175-1-14	5	3	3	2
238	SD01W064-1	3	2	1	2
239	SD01W064-6	2	2	2	1
240	SD01W070-3	3	3	3	1
241	SD03W017	3	3	3	2
242	SD03W018	4	3	3	1
243	SD03W063	3	2	1	2
244	SD03W078	4	4	4	2
245	SD03W104	3	3	3	1
246	SD03W140	3	2	3	2
247	SD03W164	4	2	2	1
248	TX01V5425WC	3	1	2	2
249	TX01V5425RC	3	1	1	2
250	TAM-107	5	5	5	2
251	Karl 92	4	3	3	4
252	Arapahoe	3	2	1	3
253	OK Bullet	3	2	2	
254	TAM 110	5	5	4	
255	Endurance	1	1	1	
	Jerry				6
	Yellowstone				6
	Rampart				3
256	TX01V5136WC	2	2	2	2
257	TX01V5136RC	1	2	2	2
258	TX01A7340	1	1	1	2
259	TX02V8033	3	2	2	4
260	TX03M1008	4	2	2	2
261	TX02A0115	5	4	3	3
262	TX02A0252	4	1	1	3
263	TX03V76009	2	3	4	2
264	TX03V77023	3	3	3	3
265	04VA7-25	2	3	3	4
266	TX04M410009	3	4	5	3
267	TX04M410026	3	3	3	2
268	TX04M410034	0	2	4	2
269	TX04M410037	1	2	3	2
270	TX04M410060	4	5	5	2
271	TX04M410067	2	4	4	1
272	TX04M410068	3	4	4	1
273	TX04M410071	4	4	4	2
274	TX04M410073	4	3	3	1
275	TX04M410081	4	4	4	2
276	TX04M410082	4	4	5	2

Table 4. 2006 RGON: Agronomic traits.

Entry	Line	Acid soil tolerance, Enid, OK			Winter hardiness,
		AST 1	AST 2	AST 3	Williston, ND Vigor (0-9), 5/24/06
277	TX03V73029	0	0	1	2
278	TX03V75051	4	3	4	2
279	04VA7-21	1	2	3	1
280	TX03A0123	1	3	3	1
281	TX04V072075	2	2	2	1
282	TX04V072079	2	3	2	1
283	TX04V076015	1	1	2	1
284	TAM-107	5	5	5	3
285	Karl 92	4	3	3	2
286	Arapahoe	3	2	3	4