

Table 1. Location notes, and local checks, 2004 RGON.

<b>Test/location</b>	<b>notes</b>
<b>Acid soil tolerance, Enid, OK (Brett Carver, Oklahoma State Univ.</b>	Readings taken at Enid, OK (pH = 4.6, 70 ppm Al, and Al saturation = 11%). Scale of 1 (highly tolerant) to 5 (highly susceptible), in which Jagger = 2. First reading could be biased by winter dormancy pattern; second reading could be biased by
<b>Stripe and leaf rust, Bushland, TX (Ravindra Devkota and Jackie Rudd, Texas A&amp;M)</b>	Readings were taken on a late planted (Dec 20) set of single rows at the Bushland, TX irrigated nursery site. Readings were taken on June 8, 2005. Stripe rust started early in the spring and was very severe. Leaf rust was light until after heading and then began to increase. All were flag leaf readings except where noted. Blanks in the data column indicates that no disease was observed. In many cases (but not all) this was because there was no leaf area left due the other rust. For example since TAM 107 was 100S to stripe rust, no leaf rust was observed. Local checks: 1=TAM110, 2=Jagger, 3=Scout66
<b>Stripe rust, Corvallis, OR (C. James Peterson, Oregon State Univ.</b>	Data collected at Hyslop Farm, Corvallis Oregon.
<b>Winter hardiness, Williston, ND (Jim Berg and Phil Bruckner, Montana St. U.)</b>	Local checks: 1=Morgan, 2=BigSky, 3=Rampart.
<b>Winter hardiness, Watertown, SD (Amir Ibrahim, So. Dakota St. U.)</b>	Local checks: 1=Harding, 2=Expedition, 3=Jagger.
<b>Winterhardiness and leaf health, Mead, NE (Steve Baenziger, Jerry Bohlmann and R. Graybosch)</b>	Local checks: 1 = NE426GT triticale, 2 = Millennium, 3 = Wesley. There was a gradient in the field for wintersurvival with the higher row numbers being in the more severe winterkilling area. Note winter injury was minor. Both leaf and stripe rust present in nursery: leaf health scores = combined effects.
<b>Hessian fly resistance, Elburn Parker &amp; Ming Chen, USDA-ARS, Manhattan, KS</b>	
<b>Virus &amp; seedling leaf rust, Bob Hunger Oklahoma St. U., Stillwater, OK</b>	Leaf rust scored using Stakeman's system. Local checks: 1=Vona, 2=Hawk, 3=Sierra. Virus - both WSBMV and WSSMV present in nursery.
<b>Seedling stem rust, Yue Jin, USDA-ARS, St. Paul, MN</b>	Bulk of races for seedling and field inoculation: MCCF, QFCS, QTHJ, RCRS, RKQQ, TPMK, TTTT. For TPMK, specific infection types were provided. For Bulk, low infection types were provided and high infection types (3 or higher) were given a "S" (susceptible) rating. Local checks: 1=RedChief, 2=Cheyenne, 3=McNair701

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<b>Seedling leaf rust, Jim Kolmer, USDA-ARS, St. Paul, MN</b>	Local checks: 1=RedChief, 2=Cheyenne, 3=McNair701
<b>WSMV, Joe Martin and Clayton Seaman, Kansas St. U., Hays, KS</b>	No results due to lack of curl mites.
<b>Fusarium head blight, Julie Schimelfenig and Steve Baenziger, U. of Nebraska, Mead, NE</b>	Artificial inoculum and misting. Local checks, respectively = NE422T, Millennium, & Wesley.
<b>Fusarium head blight, Amir Ibrahim, So. Dakota St., Brookings, SD</b>	The 4 ft long rows were planted on December 1, 2004. Misting system started on June 3, 2005. Thirty gram of corn inoculum was spread on each row on June 3, 10 and 15, 2005. Entire rows were inoculated initially when they reached 75% anthesis, then again one week later. The conidial suspension was at least 70,000/ml for 1st and 2nd inoculations. The suspension inoculation was started for early genotypes on June 16, 2005. Ratings were taken 3 weeks after the initial spray inoculation. Twenty reading were taken from each row. 'Alsen' and 'Wheaton' were included as resistant and susceptible checks in the nurseries. FHB ratings were based on a 0-9 scale. Incidence (Inc%) is the number of infected ears. Severity (Sev%) is the average of the scab ratings * 10. Disease Index (Dis%) was calculated as incidence * severity/100.

Table 2. Entries in the 2005 Regional Germplasm Observation Nursery (RGON).

Entry	Line	putative market class	Cultivar or 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	KS03HW12-1	HWW	97HW29/97HW131//96HW100-5	KSU-HAYS	
8	KS03HW12-4	HWW	97HW29/97HW131//96HW100-5	KSU-HAYS	
9	KS03HW12-6	HWW	97HW29/97HW131//96HW100-5	KSU-HAYS	
10	KS03HW15-3	HWW	96HW91-1/TGO	KSU-HAYS	
11	KS03HW15-4	HWW	96HW91-1/TGO	KSU-HAYS	
12	KS03HW15-6	HWW	96HW91-1/TGO	KSU-HAYS	
13	KS03HW38-2	HWW	96HW91-1/97HW202(91HW19//TA2460/3*T107)	KSU-HAYS	
14	KS03HW38-5	HWW	96HW91-1/97HW202(91HW19//TA2460/3*T107)	KSU-HAYS	
15	KS03HW97-1	HWW	97HW376(ARL/WGRC15)/97HW318(92HW10//TA2460/3*T107)	KSU-HAYS	
16	KS03HW97-2	HWW	97HW376(ARL/WGRC15)/97HW318(92HW10//TA2460/3*T107)	KSU-HAYS	
17	KS03HW97-3	HWW	97HW376(ARL/WGRC15)/97HW318(92HW10//TA2460/3*T107)	KSU-HAYS	
18	KS04HW40	HWW	XH1881/TGO	KSU-HAYS	
19	KSO4HW41	HWW	XH1881/TGO	KSU-HAYS	
20	KS04HW42	HWW	XH1881/TGO	KSU-HAYS	
21	KS04HW43	HWW	XH1881/TGO	KSU-HAYS	
22	KSO4HW47	HWW	X921012-A-7-1/TGO	KSU-HAYS	
23	KSO4HW48	HWW	98HW170(ARL/WGRC15)/TGO	KSU-HAYS	
24	KSO4HW58	HWW	98HW170(ARL/WGRC15)/96HW94	KSU-HAYS	
25	KSO4HW59	HWW	98HW170(ARL/WGRC15)/96HW94	KSU-HAYS	
26	KSO4HW60	HWW	98HW170(ARL/WGRC15)/96HW94	KSU-HAYS	
27	KS04HW79	HWW	98HW423(JGR/93HW242)/98HW165(ARL/WGRC15)	KSU-HAYS	
28	KSO4HW87	HWW	98HW423(JGR/93HW242)/98HW61(91HW19/U1810)	KSU-HAYS	
29	KSO4HW88	HWW	98HW423(JGR/93HW242)/98HW61(91HW19/U1810)	KSU-HAYS	
30	KSO4HW95	HWW	98HW423(JGR/93HW242)/98HW170(ARL/WGRC15)	KSU-HAYS	
31	KSO4HW97	HWW	98HW423(JGR/93HW242)/98HW170(ARL/WGRC15)	KSU-HAYS	
32	KSO4HW101	HWW	98HW423(JGR/93HW242)/98HW170(ARL/WGRC15)	KSU-HAYS	
33	KSO4HW114	HWW	TREGO*2/CO960293	KSU-HAYS	
34	KSO4HW115	HWW	TREGO*2/CO960293	KSU-HAYS	
35	KSO4HW119	HWW	TREGO*2/CO960293	KSU-HAYS	
36	OK93P656H3299-84	HRW	WO405D/HGF112//W7469C/HCF012	OSU	
37	OK93P656H3299-99	HRW	WO405D/HGF112//W7469C/HCF012	OSU	
38	OK99610-1	HRW	2174/AgSeco 7853	OSU	
39	OK99610-10	HRW	2174/AgSeco 7853	OSU	
40	OK00738-367025	HRW	Custer/4/Karl 92//Bobwhite/PI149898/3/Karl 92	OSU	
41	OK00718-367068	HRW	Custer/3/Karl 92//Chisholm/PI366520	OSU	
42	OK00310-367101	HRW	Jagger/Custer	OSU	
43	OK0367157	HRW	Jagger/Custer//Cimarron	OSU	
44	OK0367158	HRW	Jagger/Custer//Cimarron	OSU	
45	OK0367167	HRW	OK94P152/Jagger	OSU	
46	OK0367169	HRW	OK94P152/Jagger	OSU	
47	OK0367172	HRW	OK92P577/2174	OSU	
48	OK0367189	HRW	2174/Custer//Jagger	OSU	
49	OK0367194	HRW	2174/Custer//Jagger	OSU	

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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	OK00224-36805	HRW	OK91724/2180//Pecos	OSU	
57	OK00125-36808	HRW	Tonkawa/Cimarron	OSU	
58	OK00309-36812	HRW	Jagger/Custer	OSU	
59	OK02619	HRW	2174/Custer	OSU	
60	OK02707	HRW	OK88767-15/Arlin	OSU	
61	OK02207	HRW	KS96WGRC39/Jagger	OSU	
62	OK02213	HRW	Tonkawa/GK50	OSU	
63	OK02214	HRW	Tonkawa/GK50	OSU	
64	OK02230	HRW	OK91724/2180//Pecos	OSU	
65	OK02231	HRW	OK91724/2180//Pecos	OSU	
66	OK02317	HRW	ER6355-86/2*Karl 92	OSU	
67	OK02125	HRW	GA84200+/2*Jagger	OSU	
68	OK02405	HRW	Tonkawa/GK50	OSU	
69	OK02810	HRW	Custer/4/Karl//Bobwhite/PI149898/3/Karl 92	OSU	
70	OK0366271	HRW	OK94P461/Betty	OSU	
71	OK99504W-396N152	HW	Rio Blanco/Mesa//Karl/3/Tonkawa	OSU	
72	NE03417	HRW	KS92PO263-137 (2137)/NE93405(=NE85707/TBIRD)	UNL	
73	NE03424	HRW	KS94U337/NE93554 (=NE82419/ARAPAHOE)	UNL	
74	NE03432	HRW	W91-110/JAGGER/NE93427 (=BEZ/CTK78//ARTHUR/CTK78/3/BENNET/NORKAN)	UNL	
75	NE03435	HRW	N95L159/3/MILLENNIUM SIB//TXGH125888-120*4/FS2	UNL	
76	NE03457	HRW	NE95544 (=MCVEY 78015/NE88521)/W91-348/MILLENNIUM (=ARAPAHOE/ABILENE//NE86488)	UNL	
77	NE03458	HRW	NE95544 (=MCVEY 78015/NE88521)/W91-348/MILLENNIUM (=ARAPAHOE/ABILENE//NE86488)	UNL	
78	NE03488	HRW	KARIEGA/PRONGHORN//NE94482 (=ARAPAHOE/ABILENE//NE86488)	UNL	
79	NE03490	HRW	WI90-540W/NE93554 (=NE82419/ARAPAHOE)//NE93554 (=NE82419/ARAPAHOE)	UNL	
80	NE03522	HRW	EMBRAPA 24/NE93632 (=TX84V1317/NE86488//NE87409)/NE95417 (=ABILENE/karl)	UNL	
81	NH03609	HRW	N95L159/3/MILLENNIUM SIB//TXGH125888-120*4/FS2	UNL	IMI
82	NH03614	HRW	N95L164/3/MILLENNIUM SIB//TXGH125888-120*4/FS2	UNL	IMI
83	NI01824	HWW	INTENSIVNAJA\NE92458 (=OK83201/REDLAND)//VBF0168	UNL	
84	NI03418	HRW	W91-248/NE95544 (=MCVEY 78015/NE88521)//THUNDERBIRD	UNL	
85	NI03427	HRW	WI88-052/WI81-162-610W//N94L189	UNL	
86	NW03637	HWW	N94S097KS/NE93459	UNL	
87	NW03638	HWW	KS87H22/MW09 (KS75216/CC5)//NE93469	UNL	
88	NW03654	HWW	KS91H174/RIO BLANCO//KS91HW29/3/ARAPAHOE/4/ABILENE	UNL	
89	NW03665	HWW	N94S097KS/NE93459	UNL	
90	NW03666	HWW	N94S097KS/NE93459	UNL	
91	NW03670	HWW	GSR SNOWWHITE/ARLIN//NE95417 (=ABILENE/karl)W	UNL	
92	NW03681	HWW	WI88-052/WI81-162-610W//N94L189	UNL	
93	NW03698	HWW	NE93632 (=TX84V1317/NE86488//NE87409)/OK93P727/NE95417 (=ABILENE/karl)	UNL	
94	NI04403		NY79127-1/SD93340W//MILLENNIUM(=ARAPAHOE/ABILENE//NE86488)	UNL	
95	NI04414		W94-244-132(=TAM200/ABILENE/6/ERA/TOBARI66/LOVRIN11/3/OLIGOCULM/4/ARCHER/5/W81-171)/NE94482(=ARAPAHOE/ABILENE//NE86488)	UNL	
96	NI04421		NE96644(=ODESSKAYA P./CODY)/PAVON**3SCOUT66/NE94653(=ARAPAHOE/ABILENE//ARAPAHOE)	UNL	
97	NI04425		KS98HW22//W95-615W/N94L189	UNL	
98	NI04427		KS98HW22//W95-615W/N94L189	UNL	

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99	NI04430		N94L205/Robinof 98	UNL	
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	NI04436	HWW	N96S039/W91-103W//NE97419	UNL	
107	NI04419		NE96644(=ODESSKAYA P./CODY)/PAVON*3SCOUT66/NE94653(=ARAPAHOE/ABILENE//ARAPAHOE)	UNL	
108	HV9W00-1172W	HWW	ORB/HALT	WESTBRED	
109	HV9W00-NE01506R	HRW	KS93H67/NE92608	WESTBRED	
110	HV9W00-NE01707R	HRW	HBC059E/HBK0935W-24//137	WESTBRED	
111	HV9W00-B361R	HRW	JAGGER//TAM 200/B1127	WESTBRED	
112	HV9W00-B353R	HRW	B1380//B918*2/KS90WGRC10	WESTBRED	
113	HV9W00-B243R	HRW	JAGGER/3/FR3-632//KS90WGRC10/B918	WESTBRED	
114	HV9W00-B1551W	HWW	B1043/2180	WESTBRED	
115	HV9W94-CB94005R	HRW	RL8400193/2180	WESTBRED	
116	HV9W00-B267	HRW	PECOS/3/B1175*2//LR19/B978	WESTBRED	
117	HV9W00-B104	HRW	B565/R1287t91	WESTBRED	
118	HV9W00-119R	HRW	GSR2500/G13080	WESTBRED	
119	HV9W00-198R	HRW	G14449/PL2571	WESTBRED	
120	HV9W00-543R	HRW	KS2163//GSR2500/G1980	WESTBRED	
121	HV9W00-B140R	HRW	JAGGER*2//TAM 200/B1127	WESTBRED	
122	HV9W00-B231R	HRW	B1183*2/4/C115921/B382//KS1640GB/B382/3/B918	WESTBRED	
123	HV9W02-267W	HWW	97H79(87H6//TX81V6607-2/87H66-2)/TGO	WESTBRED	
124	HV9W02-441Rdn	HRW	YUMA/SNOWWHITE	WESTBRED	
125	HV9W02-206W	HWW	97HW202(91HW19//TA2460/3*T107)/97HW376(ARL/WGRC15)	WESTBRED	
126	HV9W02-533R	HRW	98 F2 MASA F3 (BULK SELECTION)	WESTBRED	
127	HV9W02-243W	HWW	KS91H184/ARLIN SIB//KS91HW29/3/N93L068	WESTBRED	
128	HV9W02-707W	HWW	2180*K/2163//W1062A*HVA114/W3416/3/W1062A*HVA114/W3416//IL89	WESTBRED	
129	HV9W97-2112R-4	HRW	B1551/B1551-W/KS94U326	WESTBRED	
130	HV9W02-TC953383R	HRW	OK91P648/3/B1183*2//B975/B711	WESTBRED	
131	HV9W97-2112W-2	HWW	B1551 / B1551-W/KS94U326	WESTBRED	
132	HV9W02-667R	HRW	3080 2-231/LRO//KS84063-9-39-3-27	WESTBRED	
133	HV9W02-657R	HRW	JAGGER/PONDOROSA	WESTBRED	
134	HV9W02-846R	HRW	474S10-1/X87807-26//HBK0736-3	WESTBRED	
135	HV9W02-942R	HRW	53/3/ABL/1113//K92/4/JAG/5/KS89180B	WESTBRED	
136	HV9W96-1270W-1	HWW	B1551-WH / KS94U319	WESTBRED	
137	HV9W02-548W	HWW	P89204A8-1-59/JGR//JGR	WESTBRED	
138	NW03Y2023	HWW	MO8/NE94406 (=NE86582//84MC29/NE82583)//KS91H184/3*RIO E	ARS-LNK	
139	NX03Y2315	waxy	BaiHuoMai/Ike (97GC1015wx)//KSSB-369-7/NE88584	ARS-LNK	
140	NX03Y2150	waxy	wx1044-2/Ike(97GC1020wx)/6/YUMA/IT-57/3/LAMAR/4/4*YUMA/5/KS91H184/Arilin S/KS91HW29/NE89526	ARS-LNK	
141	NX03Y2397	waxy	Ike//BaiHuo5/K94H115/3/VA93-54-429/Collin//BaiHuo	ARS-LNK	
142	NX03YW2207	waxy	BaiHuo/Kanto107,F2-1//Ike (97GC1014wx)/3/KS85W663-1-/Tomahawk	ARS-LNK	
143	NX03Y2494	waxy	BaiHuoMai/Ike (97GC1015wx)//N90L119/KS831440-3	ARS-LNK	
144	NX03Y2311	waxy	BaiHuoMai/Ike (97GC1015wx)//KSSB-369-7/NE88584	ARS-LNK	
145	NX03Y2114	waxy	Cimarron/RioBlanco//BaiHuo4/L910145/3/Colt/Cody//Stozher/NE86582	ARS-LNK	
146	NX03YW2063	waxy	Cimarron/RioBlanco//BaiHuo4/L910114/3/KS87809-10/Arapahoe	ARS-LNK	
147	NX03Y2184	waxy	wx1044-2/Ike (97GC1020wx)//KS87809/Arapahoe	ARS-LNK	

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148	NX03Y2270	waxy	BaiHuo/Kanto107,F2-1//Ike (97GC1014wx)/3/N92L088/KS92HW2	ARS-LNK	
149	NX03YW2064	waxy	Cimarron/RioBlanco//BaiHuo4/L910114/3/KS87809-10/Arapahoe	ARS-LNK	
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	NX03Y2205	waxy	BaiHuo/Kanto107,F2-1//Ike (97GC1014wx)/4/KS831672/3/Rannaya 12/Bez.4/2/Lancota/f9-67	ARS-LNK	
157	NX03Y2393	waxy	Ike//BaiHuo5/K94H115/3/VA93-54-429/Collin//BaiHuo	ARS-LNK	
158	NX03Y2489	waxy	BaiHuo/Kanto107,F2-1//Ike (97GC1014wx) /3/KS91H184/3*RBL//N87V106	ARS-LNK	
159	NX03Y2148	waxy	BaiHuo/Kanto107,F2-1//Ike (97GC1014wx) /3/LS84W063-9-39-3/NE88427	ARS-LNK	
160	NX03Y2506	waxy	BaiHuo/Kanto107,F2-1//Ike (97GC1014wx) /3/KS91H184/3*RBL//N87V106	ARS-LNK	
161	NX03Y2170	waxy	BaiHuo/Kanto107,F2-1//Ike (97GC1014wx)/3/N91L122/KSSB-369-7	ARS-LNK	
162	NX03Y2510	waxy	BaiHuo/Kanto107,F2-1//Ike (97GC1014wx) /3/KS91H184/3*RBL//N87V106	ARS-LNK	
163	NX03Y2373	waxy	BaiHuo/Kanto107,F2-1//Ike (97GC1014wx)/4/CO850034//T-57/5*TAM107/3/KS91H174/RBL//S91HW29/Vista	ARS-LNK	
164	NX03YW2368	waxy	Cimarron/TX93V5922//K94H115/BaiHuo3/3/Arlin/KS89H19	ARS-LNK	
165	NX03YW2459	waxy	BaiHuoMai/Ike (97GC1015wx)//KS91H184/3*RBL//N87V106	ARS-LNK	
166	NX03Y2482	waxy	BaiHuoMai/Ike (97GC1015wx)/3/MT8713/NE87612//Ike	ARS-LNK	
167	NX03Y2115	waxy	Cimarron/RioBlanco//BaiHuo4/L910145/3/Colt/Cody//Stozher/NE86582	ARS-LNK	
168	NX03Y2144	waxy	BaiHuo/Kanto107,F2-1//Ike (97GC1014wx) /3/KM 602-90/NE89657//KSSB-369-7	ARS-LNK	
169	NX03Y2395	waxy	Ike//BaiHuo5/K94H115/3/VA93-54-429/Collin//BaiHuo	ARS-LNK	
170	CO01212	HRW	Glenson/Akron//Yumar	CSU	
171	CO01385	HRW	Yumar/Arlin	CSU	
172	CO01434	HRW	96HW91-1/96HW114	CSU	
173	CO01473	HRW	NE93552/TX93V5922//NE94479	CSU	
174	CO01W171	HWW	96HW100-5/96HW114	CSU	
175	CO01W172	HWW	96HW100-5/96HW114	CSU	
176	CO01W173	HWW	96HW100-5/96HW114	CSU	
177	CO01W189	HWW	96HW91-1/96HW114	CSU	
178	CO01W191	HWW	96HW91-1/96HW114	CSU	
179	CO02213	HRW	T102/Yumar	CSU	
180	CO02265	HRW	Stanton/98HW423(JGR/93HW242)	CSU	
181	CO02316	HRW	97H79(87H6//TX81V6607-2/87H66-2)/96HW114//98HW152(ARL/TA	CSU	
182	CO02320	HRW	97H79(87H6//TX81V6607-2/87H66-2)/96HW114//98HW152(ARL/TA	CSU	
183	CO02322	HRW	97H79(87H6//TX81V6607-2/87H66-2)/96HW114//98HW152(ARL/TA	CSU	
184	CO02440	HRW	CO940610/Prairie Red	CSU	
185	CO02467	HRW	Trego/Akron	CSU	
186	CO02487	HRW	W94-320/Yumar	CSU	
187	CO02W010	HWW	98HW423(JGR/93HW242)/Lakin	CSU	
188	CO02W021	HWW	98HW423(JGR/93HW242)/Lakin	CSU	
189	CO02W023	HWW	98HW423(JGR/93HW242)/Lakin	CSU	
190	CO02W040	HWW	98HW521(93HW91/93HW255)/TGO	CSU	
191	CO02W180	HWW	98HW165(ARL/WGRC15)/96HW94	CSU	
192	CO02W183	HWW	98HW165(ARL/WGRC15)/96HW94	CSU	
193	CO02W185	HWW	98HW165(ARL/WGRC15)/96HW94	CSU	
194	CO02W192	HWW	98HW165(ARL/WGRC15)/96HW94	CSU	
195	CO02W214	HWW	98HW423(JGR/93HW242)/96HW94	CSU	
196	CO02W237	HWW	98HW519(93HW91/93HW255)/96HW94	CSU	

Table 2. Entries in the 2005 Regional Germplasm Observation Nursery (RGON).

Entry	Line	putative market class	Cultivar or pedigree	Source	Protected trait?
197	CO02W274	HRW	98HW578(IKE//HW19/HYE)/98HW170(ARL/WGRC15)	CSU	
198	CO02W280	HWW	98HW521(93HW91/93HW255)/98HW165(ARL/WGRC15)	CSU	
199	CO02W283	HWW	98HW521(93HW91/93HW255)/98HW165(ARL/WGRC15)	CSU	
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	SD03052	HRW	Nekota/N97S343	SDSU	
207	SD03076	HRW	TX95V4339/SD97287	SDSU	
208	SD03090	HRW	TX95V4339/SD97287	SDSU	
209	SD03114	HRW	SD93267/TX95V4339	SDSU	
210	SD03118	HRW	SD93267/TX95V4339	SDSU	
211	SD02018	HRW	SD93267/W95-301	SDSU	
212	SD02024	HRW	N95L1229/SD97W604	SDSU	
213	SD02039	HRW	Crimson/SD97W603	SDSU	
214	SD02068	HRW	Crimson/SD97W606	SDSU	
215	SD02091	HRW	Nekota/W95-301	SDSU	
216	SD02279	HRW	SD93528/Culver	SDSU	
217	SD02286	HRW	SD93528/SD96132	SDSU	
218	SD02466	HRW	SD96363/NE94567	SDSU	
219	SD02480	HRW	Tandem/Cougar	SDSU	
220	SD02501	HRW	Tandem/SD96233	SDSU	
221	SD02752	HRW	CO910424/Hondo	SDSU	
222	SD02771	HRW	IDO537/SD93380//Nekota	SDSU	
223	SD02819	HRW	SD94149/SD96240	SDSU	
224	SD01W062-4	HWW	SD01W062-4	SDSU	
225	SD01W064-1	HWW	SD01W064-1	SDSU	
226	SD03W018	HWW	N97S195/SD97W641	SDSU	
227	SD03W029	HWW	SD97W604/N97S078	SDSU	
228	SD03W063	HWW	SD97W603/N97S343	SDSU	
229	SD02W070	HWW	NE95417W/SD93364	SDSU	
230	SD02W124	HWW	OR908482/SD93267	SDSU	
231	SD02W125	HWW	OR908482/SD93267	SDSU	
232	SD02W126	HWW	OR908482/SD93267	SDSU	
233	SD02W129	HWW	OR908482/SD93267	SDSU	
234	SD02W130	HWW	OR908482/SD93267	SDSU	
235	SD02W132	HWW	OR908482/SD93267	SDSU	
236	TX00V1117	HRW	ARLIN/TX89V4213 (CO723594/YACO'S//TX81V6582)	TAMU	
237	TX98A0190	HRW	X92V097(COKER 68-15/ARLAN)/OK88767-02	TAMU	
238	TX01V5134	HRW	TAM-200/JAGGER	TAMU	
239	TX01V5838	HRW	HBE0726-3/TX92V4708	TAMU	
240	TX02D6112	HRW	2)	TAMU	
241	TX02U2502	HRW	(TX88V4505/HBI0531-A2)/OGALLALA	TAMU	
242	TX02U2508	HRW	(TX88V4505/HBI0531-A2)/OGALLALA	TAMU	
243	TX02U2510	HRW	(TX88V4505/HBI0531-A2)/OGALLALA	TAMU	
244	TX02U2557	HRW	COKER 9134/TAM W-101//TAM 201	TAMU	
245	TX01A7326	HRW	TX93V5721(TAM-200/TX82D5668)//JAGGER	TAMU	

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Entry	Line	putative market class	Cultivar or pedigree	Source	Protected trait?
246	TX02V7615	HRW	TAM-202/KS93U206	TAMU	
247	TX03M1004	HRW	TX97V1613/KS91WGRC11	TAMU	
248	TX03M1008	HRW	TX97V1613/KS91WGRC11	TAMU	
249	TX03M1016	HRW	TX92U2246/TX84U4094-16//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	TX03M1066	HRW	BIG DAWG/TX92U2317//KS90175-3	TAMU	
257	TX03M1096	HRW	MASON/JAGGER	TAMU	
258	TX03M1097	HRW	MASON/JAGGER	TAMU	
259	TX03M1179	HRW	W95-301/97T1154	TAMU	
260	TX03M1196	HRW	TX96V2427/97T1018	TAMU	
261	TX03M1214	HRW	HICKOK/NORM//KS97W0935-29-15	TAMU	
262	TX03M1305	HRW	98U8618 Resel.	TAMU	
263	TX02D5797	HRW	Seri 82/Thornbird//KS92PO59E (=X94V454-D40-10)	TAMU	
264	TX02D5813	HRW	Ures//Buckbuck/Pavon 76/3/Kauz/TX91V5708 (=X94V596-D9-20)	TAMU	
265	TX02D6041	HRW	KS91WGRC12-1-9/Victory (=99RGON#72)(KS95U589-4-P24)	TAMU	
266	TX02D6222	HRW	TTCC43/TX89D2153/TAM300*2/TTCC295	TAMU	
267	TX99A0153-1	HRW	OGALLALA/TAM-202	TAMU	
268	TX02V7438	HRW	KS94WGRC29/TX84V1307	TAMU	
269	TX02V7538	HRW	OGALLALA/TX94V2136	TAMU	
270	TX02V7806	HRW	TX93V5722/KARL 92	TAMU	
271	TX02V7838	HRW	TX94V5834/TX93V4315	TAMU	



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Entry	Line or Selection	Winter kill	Winter survival,	Winter survival,	Stand/vigor,	Acid soil tolerance,			Hessian fly reactions
		(%), St. Paul, MN	Watertown, SD	Mead, NE (0-9, 9 = highest)	Williston, ND, 24-May-05	Enid, Oklahoma	MAR 19	APRIL 14	
1	TAM-107	50	2	9	4	5	5	5	S
2	Karl 92	30	5	9	5	4	3	3	S
3	Arapahoe	0	3	9	5	3	4	3	H
4	local check 1	30	5	9	6	1	1	2	
5	local check 2	0	6	9	6	4	4	5	
6	local check 3	100	2	9	5	3	2	2	
7	KS03HW12-1	95	7	9	3	2	3	3	S
8	KS03HW12-4	95	6	9	3	3	4	3	S
9	KS03HW12-6	60	4	9	4	1	2	2	S
10	KS03HW15-3	0	4	9	5	4	4	3	S
11	KS03HW15-4	0	4	9	6	4	4	4	S
12	KS03HW15-6	10	2	9	5	4	5	4	S
13	KS03HW38-2	60	3	9	3	4	5	3	H+
14	KS03HW38-5	50	2	9	5	3	4	3	H
15	KS03HW97-1	50	1	9	4	1	2	2	S
16	KS03HW97-2	70	0	9	4	2	2	2	S
17	KS03HW97-3	90	0	9	4	1	1	1	S
18	KS04HW40	20	1	9	5	4	3	4	H-
19	KSO4HW41	10	5	9	4	3	3	3	S
20	KS04HW42	10	2	9	5	4	3	4	S
21	KS04HW43	10	5	9	4	3	3	4	H-
22	KSO4HW47	50	1	9	4	2	3	2	S
23	KSO4HW48	20	2	9	4	3	3	4	S
24	KSO4HW58	60	0	9	4	4	5	5	S
25	KSO4HW59	10	2	9	5	3	4	3	S
26	KSO4HW60	20	0	9	5	4	5	4	S
27	KS04HW79	60	1	9	4	1	2	1	H-
28	KSO4HW87	50	0	9	4	4	4	4	H
29	KSO4HW88	20	3	9	4	4	4	4	H
30	KSO4HW95	10	0	9	4	5	5	4	S
31	KSO4HW97	20	2	9	3	4	5	4	H
32	KSO4HW101	50	1	9	4	4	4	3	H+
33	KSO4HW114	95	2	9	3	1	1	2	S
34	KSO4HW115	90	1	9	3	1	1	1	S
35	KSO4HW119	90	2	9	4	3	2	3	S
36	OK93P656H3299-84	60	0	9	4	2	2	2	H
37	OK93P656H3299-99	60	3	9	4	3	3	2	H
38	OK99610-1	70	1	9	4	2	2	2	S
39	OK99610-10	60	2	9	4	3	3	3	S
40	OK00738-367025	70	1	9	4	3	2	3	S
41	OK00718-367068	60	3	8	4	4	3	3	S
42	OK00310-367101	70	1	9	5	2	2	2	H-
43	OK0367157	90	2	9	5	4	3	4	H-
44	OK0367158	90	0	9	5	3	2	3	H-
45	OK0367167	70	4	9	4	1	2	3	H
46	OK0367169	70	1	9	4	1	2	3	S
47	OK0367172	95	3	9	5	4	4	4	S
48	OK0367189	95	1	9	5	3	1	2	S
49	OK0367194	70	3	9	4	4	2	3	S
50	TAM-107	60	3	9	4	4	4	4	S
51	Karl 92	50	5	9	4	4	3	3	S
52	Arapahoe	10	5	9	6	3	3	3	R-
53	local check 1	50	6	9	6	1	2	2	
54	local check 2	30	4	9	6	4	4	4	
55	local check 3	100	3	9	5	3	3	3	
56	OK00224-36805	70	1	9	5	1	1	2	S

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Entry	Line or Selection	Winter kill	Winter survival,	Winter survival,	Stand/vigor,	Acid soil tolerance,			Hessian fly reactions
		(%), St. Paul, MN	Watertown, SD	Mead, NE (0-9, 9 = highest)	Williston, ND, 24-May-05	Enid, Oklahoma	MAR 19	APRIL 14	
57	OK00125-36808	40	4	9	5	3	2	2	S
58	OK00309-36812	80	1	9	5	1	1	1	S
59	OK02619	50	4	9	4	3	3	4	S
60	OK02707	70	1	9	5	2	3	3	S
61	OK02207	40	4	9	4	3	3	5	S
62	OK02213	20	3	9	5	3	3	4	S
63	OK02214	40	4	9	4	1	2	3	S
64	OK02230	50	2	9	4	2	2	3	S
65	OK02231	70	3	9	4	3	2	3	S
66	OK02317	10	0	9	5	4	4	4	S
67	OK02125	95	2	9	4	1	1	1	S
68	OK02405	70	1	9	4	3	4	4	S
69	OK02810	80	1	9	3	1	2	2	S
70	OK0366271	50	3	9	4	4	3	3	S
71	OK99504W-396N152	70	4	9	6	3	3	4	S
72	NE03417	20	5	9	6	4	4	4	H
73	NE03424	40	3	9	6	4	4	4	H-
74	NE03432	10	3	9	6	4	4	3	S
75	NE03435	50	2	9	5	1	2	1	S
76	NE03457	20	2	9	5	5	5	5	H
77	NE03458	50	6	9	5	5	5	5	H-
78	NE03488	30	3	9	5	5	5	5	S
79	NE03490	20	7	9	5	3	4	3	S
80	NE03522	10	3	9	6	4	4	4	S
81	NH03609	20	6	9	6	3	3	3	S
82	NH03614	50	5	9	6	4	3	2	H-
83	NI01824	20	4	9	6	3	3	4	S
84	NI03418	50	1	9	5	4	4	3	S
85	NI03427	30	6	9	6	1	1	1	S
86	NW03637	50	1	9	6	5	5	5	S
87	NW03638	10	5	9	6	2	1	1	S
88	NW03654	60	1	9	5	4	4	4	S
89	NW03665	30	3	9	6	4	4	2	S
90	NW03666	40	2	9	6	5	5	4	S
91	NW03670	70	3	9	5	5	4	4	S
92	NW03681	10	3	9	6	3	2	1	S
93	NW03698	10	3	9	6	4	4	3	S
94	NI04403	20	3	9	6	3	3	4	S
95	NI04414	40	4	9	6	5	5	5	S
96	NI04421	50	3	9	6	4	4	3	S
97	NI04425	20	4	9	6	3	2	3	S
98	NI04427	30	4	9	6	2	1	2	S
99	NI04430	40	3	9	6	2	3	2	S
100	TAM-107	60	3	9	5	4	4	5	S
101	Karl 92	20	3	9	5	3	3	3	S
102	Arapahoe	0	3	9	6	3	3	3	R-
103	local check 1	50	6	9	6	1	1	1	
104	local check 2	10	5	9	5	4	4	4	
105	local check 3	95	3	9	6	1	1	2	
106	NI04436	80	3	9	5	1	1	2	S
107	NI04419	70	4	9	6	4	4	5	H
108	HV9W00-1172W	70	1	9	5	3	2	3	S
109	HV9W00-NE01506R	40	4	9	6	4	4	5	S
110	HV9W00-NE01707R	10	2	9	6	1	1	1	H-
111	HV9W00-B361R	30	3	9	6	2	3	3	S
112	HV9W00-B353R	90	1	9	4	1	1	2	S

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		(%), St. Paul, MN	Watertown, SD	Mead, NE (0-9, 9 = highest)	Williston, ND, 24-May-05	Enid, Oklahoma	MAR 19	APRIL 14	
113	HV9W00-B243R	50	3	9	5	4	3	3	S
114	HV9W00-B1551W	40	1	5	4	2	2	3	S
115	HV9W94-CB94005R	90	2	9	4	1	1	2	S
116	HV9W00-B267	60	0	9	4	1	1	1	S
117	HV9W00-B104	60	3	9	6	3	2	3	S
118	HV9W00-119R	50	0	9	6	3	4	3	S
119	HV9W00-198R	90	2	9	5	5	5	5	S
120	HV9W00-543R	50	0	9	5	2	3	3	S
121	HV9W00-B140R	95	2	9	4	1	2	2	S
122	HV9W00-B231R	70	1	9	6	3	2	2	S
123	HV9W02-267W	80	4	9	5	4	4	5	S
124	HV9W02-441Rdn	70	3	9	6	2	1	1	S
125	HV9W02-206W	60	0	9	5	3	2	3	S
126	HV9W02-533R	90	1	9	5	2	3	4	S
127	HV9W02-243W	90	3	9	5	2	1	2	H+
128	HV9W02-707W	80	4	9	5	4	4	4	S
129	HV9W97-2112R-4	60	2	9	4	1	1	2	S
130	HV9W02-TC953383R	80	1	9	5	2	1	2	S
131	HV9W97-2112W-2	90	2	9	5	1	1	1	S
132	HV9W02-667R	80	0	9	5	3	3	4	S
133	HV9W02-657R	60	3	9	6	2	2	2	S
134	HV9W02-846R	80	0	9	6	3	3	3	S
135	HV9W02-942R	50	3	9	6	4	4	4	S
136	HV9W96-1270W-1	40	1	9	5	1	1	1	S
137	HV9W02-548W	70	2	9	5	4	3	3	H-
138	NW03Y2023	90	2	9	5	5	5	5	S
139	NX03Y2315	100	2	9	5	3	3	2	H
140	NX03Y2150	100	4	9	5	4	4	4	H-
141	NX03Y2397	95	3	9	4	4	4	5	H-
142	NX03YW2207	100	3	9	4	3	4	4	S
143	NX03Y2494	99	5	9	6	4	5	5	H
144	NX03Y2311	90	2	9	5	5	5	5	S
145	NX03Y2114	95	3	9	5	2	3	3	H+
146	NX03YW2063	95	2	9	5	4	4	4	S
147	NX03Y2184	100	1	9	5	2	3	4	S
148	NX03Y2270	100	3	9	5	4	4	4	R-
149	NX03YW2064	100	0	9	4	3	3	4	S
150	TAM-107	95	3	9	4	5	5	5	S
151	Karl 92	80	2	9	5	4	4	4	S
152	Arapahoe	10	5	9	5	3	3	3	R-
153	local check 1	70	7	9	6	1	1	1	
154	local check 2	40	4	9	6	4	4	5	
155	local check 3	100	3	9	5	2	1	1	
156	NX03Y2205	100	1	9	4	5	4	4	S
157	NX03Y2393	99	6	9	4	3	3	5	H-
158	NX03Y2489	99	6	9	4	4	3	2	H-
159	NX03Y2148	100	5	9	3	3	3	5	S
160	NX03Y2506	99	1	9	3	4	5	5	H-
161	NX03Y2170	100	4	9	3	3	4	3	S
162	NX03Y2510	100	0	9	4	5	5	4	S
163	NX03Y2373	99	5	9	4	4	5	5	S
164	NX03YW2368	99	0	9	4	3	3	3	S
165	NX03YW2459	100	4	9	2	5	5	4	H
166	NX03Y2482	98	4	9	4	5	5	5	H
167	NX03Y2115	95	5	9	4	3	3	2	H
168	NX03Y2144	95	4	9	5	3	4	4	H-

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		(%), St. Paul, MN	Watertown, SD	Mead, NE (0-9, 9 = highest)	Williston, ND, 24-May-05	Enid, Oklahoma	MAR 19	APRIL 14	
169	NX03Y2395	90	3	9	4	4	4	5	H
170	CO01212	95	6	9	5	2	1	1	S
171	CO01385	100	4	9	5	2	1	2	S
172	CO01434	80	6	9	5	5	5	5	S
173	CO01473	80	5	9	5	2	2	3	S
174	CO01W171	70	4	9	5	2	3	3	S
175	CO01W172	70	4	9	5	2	2	2	S
176	CO01W173	50	5	9	5	3	2	3	S
177	CO01W189	80	3	9	4	3	3	3	S
178	CO01W191	100	3	9	5	4	3	3	S
179	CO02213	100	4	9	4	2	1	2	S
180	CO02265	99	5	9	6	3	2	3	S
181	CO02316	99	4	9	5	2	2	4	S
182	CO02320	90	6	9	6	3	3	3	S
183	CO02322	80	3	9	6	1	1	1	S
184	CO02440	100	3	9	5	3	2	3	H-
185	CO02467	60	4	9	5	5	5	5	H-
186	CO02487	100	5	9	5	3	3	2	S
187	CO02W010	95	3	9	5	4	3	3	S
188	CO02W021	90	4	9	5	5	5	4	H+
189	CO02W023	90	4	9	5	4	4	3	H+
190	CO02W040	80	4	9	5	4	4	4	S
191	CO02W180	50	2	9	5	3	2	3	S
192	CO02W183	70	4	9	5	3	2	2	H-
193	CO02W185	50	3	9	5	4	3	4	S
194	CO02W192	100	2	9	5	3	2	3	S
195	CO02W214	90	1	9	5	3	3	3	S
196	CO02W237	60	4	9	6	3	2	2	S
197	CO02W274	99	3	9	5	4	4	5	R
198	CO02W280	70	5	9	5	4	3	3	S
199	CO02W283	70	4	9	5	4	4	3	S
200	TAM-107	70	3	9	4	5	5	5	S
201	Karl 92	60	4	9	5	4	3	4	S
202	Arapahoe	30	4	9	4	3	3	3	R-
203	local check 1	50	6	8	6	1	2	1	
204	local check 2	10	7	9	6	5	5	5	
205	local check 3	100	3	9	5	2	1	1	
206	SD03052	30	2	9	5	4	5	4	R-
207	SD03076	60	2	9	4	3	3	2	S
208	SD03090	50	4	9	4	5	5	4	S
209	SD03114	70	4	9	5	3	1	1	S
210	SD03118	100	5	9	3	5	4	4	S
211	SD02018	30	5	9	5	5	4	4	S
212	SD02024	50	5	9	5	5	5	5	H-
213	SD02039	30	5	9	4	5	4	3	H-
214	SD02068	40	4	9	5	3	4	3	H+
215	SD02091	80	3	9	4	4	4	5	S
216	SD02279	50	3	8	4	4	4	4	H
217	SD02286	50	4	9	6	4	4	3	S
218	SD02466	50	6	8	6	5	5	5	H
219	SD02480	70	5	9	5	5	5	5	S
220	SD02501	60	4	9	5	4	4	3	S
221	SD02752	50	4	9	5	4	4	4	S
222	SD02771	30	4	9	5	4	4	3	S
223	SD02819	5	5	9	4	5	5	5	S
224	SD01W062-4	100	4	9	6	4	4	3	S

Table 3. Agronomic characteristics of entries in the 2005 RGON. See notes for local check identification.

Entry	Line or Selection	Winter kill	Winter survival,	Winter survival,	Stand/vigor,	Acid soil tolerance,			Hessian fly reactions
		(%), St. Paul, MN	Watertown, SD	Mead, NE (0-9, 9 = highest)	Williston, ND, 24-May-05	Enid, Oklahoma	MAR 19	APRIL 14	
225	SD01W064-1	20	3	8	6	4	3	2	S
226	SD03W018	60	4	9	4	4	4	3	S
227	SD03W029	5	3	9	6	5	5	5	S
228	SD03W063	70	4	9	4	3	2	2	S
229	SD02W070	80	5	9	4	4	4	5	S
230	SD02W124	70	5	9	5	5	4	5	S
231	SD02W125	60	3	9	5	5	5	5	H-
232	SD02W126	70	4	9	5	5	4	4	H-
233	SD02W129	70	4	9	6	5	5	5	S
234	SD02W130	70	3	9	6	5	4	4	S
235	SD02W132	60	4	9	4	5	4	4	S
236	TX00V1117	90	3	9	4	4	3	2	S
237	TX98A0190	80	0	9	4	3	2	3	S
238	TX01V5134	95	0	9	5	2	2	2	S
239	TX01V5838	100	3	9	5	4	3	4	S
240	TX02D6112	80	1	9	6	3	3	4	S
241	TX02U2502	70	5	9	5	3	3	3	S
242	TX02U2508	100	2	9	5	4	4	4	S
243	TX02U2510	100	2	8	3	3	3	4	S
244	TX02U2557	95	0	9	4	3	4	3	S
245	TX01A7326	80	3	9	4	2	2	2	S
246	TX02V7615	40	1	9	5	4	5	4	S
247	TX03M1004	100	3	9	4	2	2	2	S
248	TX03M1008	98	1	9	4	4	3	3	S
249	TX03M1016	70	2	9	5	3	4	4	S
250	TAM-107	80	1	9	4	5	5	5	S
251	Karl 92	60	4	9	5	4	3	3	S
252	Arapahoe	10	2	9	5	4	4	3	R-
253	local check 1	50	9	8	6	1	1	1	
254	local check 2	30	3	9	6	5	5	5	
255	local check 3	100	5	9	5	2	1	1	
256	TX03M1066	99	1	9	4	3	3	3	S
257	TX03M1096	40	3	9	5	2	2	1	S
258	TX03M1097	40	1	9	6	3	3	2	S
259	TX03M1179	100	0	9	2	5	5	5	S
260	TX03M1196	100	0	8	3	4	5	4	S
261	TX03M1214	98	3	9	4	2	2	3	H
262	TX03M1305	95	1	9	5	3	4	4	S
263	TX02D5797	100	0	9	4	4	5	4	S
264	TX02D5813	99	0	9	5	4	4	3	S
265	TX02D6041	50	4	9	6	4	4	4	S
266	TX02D6222	70	1	9	5	5	5	5	S
267	TX99A0153-1	80	1	9	5	2	3	2	S
268	TX02V7438	80	1	9	4	4	3	3	S
269	TX02V7538	60	3	9	4	3	3	2	S
270	TX02V7806	80	0	9	4	4	4	4	S
271	TX02V7838	60	0	9	5	4	4	3	S

Table 4. Reactions of entries in the 2005 RGON to leaf rust. See notes for identification of local checks.

Entry	Line or Selection	St. Paul, MN		Bushland, TX	Stillwater, OK
		% infection	reaction type	see notes	Stakeman
1	TAM-107	70	S		3+
2	Karl 92	70	S	80MS-flag	3+
3	Arapahoe	50	MS		X;3-
4	local check 1	50	MS		3+
5	local check 2	70	S	100S	3+
6	local check 3	—		40MS	3+
7	KS03HW12-1	10	MS		3-
8	KS03HW12-4	5	MS		3-
9	KS03HW12-6	10	MS		3-
10	KS03HW15-3	70	S	40MRMS	X;3-
11	KS03HW15-4	70	S	60MS	X;3=
12	KS03HW15-6	70	S	40MS	X;3-
13	KS03HW38-2	TR		tR	X;3
14	KS03HW38-5	TR		tR	X;3-
15	KS03HW97-1	5	R		;
16	KS03HW97-2	5	R		;
17	KS03HW97-3	5	MS		X;3=
18	KS04HW40	70	S		;
19	KSO4HW41	70	S		;
20	KS04HW42	70	S		X;3-
21	KS04HW43	70	S		;
22	KSO4HW47	70	S	60MS	;
23	KSO4HW48	70	S		X;3-
24	KSO4HW58	60	MR-MS	40MS	4
25	KSO4HW59	50	MR-MS	20MS	4
26	KSO4HW60	50	MS	30MS	4
27	KS04HW79	5	R	tR	3=
28	KSO4HW87	10	R-MR	80MS	3=
29	KSO4HW88	10	R-MR	40MS	;
30	KSO4HW95	5	R	tR/80MS	3+
31	KSO4HW97	5	R	tR/80MS	3-
32	KSO4HW101	TR		tR	3=
33	KSO4HW114	40	MS	80MS	3+
34	KSO4HW115	10	R	100SMS	3+
35	KSO4HW119	10	R-MR	40MS	3+
36	OK93P656H3299-84	TR			X;3-
37	OK93P656H3299-99	TR			X;3-
38	OK99610-1	10	R-MR	40RMR;	3+
39	OK99610-10	30	R-MR	60MRMS;	4
40	OK00738-367025	10	R-MR	tR	4
41	OK00718-367068	30	MR-MS	tMRMS;	4
42	OK00310-367101	20	R-MR	40MS	3-
43	OK0367157	40	S		X;3
44	OK0367158	60	S		X;3-
45	OK0367167	20	R-MR		3
46	OK0367169	10	R-MR		3-
47	OK0367172	50	MS		3-

Table 4. Reactions of entries in the 2005 RGON to leaf rust. See notes for identification of local checks.

Entry	Line or Selection	St. Paul, MN		Bushland, TX	Stillwater, OK
		% infection	reaction type	see notes	Stakeman
48	OK0367189	30	MS		3+
49	OK0367194	40	S		3+
50	TAM-107	70	S		4
51	Karl 92	50	S	80MSS	3+
52	Arapahoe	5	R		X;3-
53	local check 1				4
54	local check 2			100S	3+
55	local check 3			60MS	3+
56	OK00224-36805	TR		tR	3-
57	OK00125-36808	40	MS	80MS	X;3=
58	OK00309-36812	30	MS	60MSMR	3+
59	OK02619	30	MR-MS		4
60	OK02707	50	S		4
61	OK02207	5	MR		3
62	OK02213	5	R-MR	40MS	3+
63	OK02214	20	MR-MS	20MS	3+
64	OK02230	30	MS		3+
65	OK02231	30	MR-MS		3+
66	OK02317	20	MR-MS	60MS	3
67	OK02125	10	MR-MS	80MSS	3-
68	OK02405	10	MS	80MS	3+
69	OK02810	20	MR-MS	80S	3+
70	OK0366271	30	MS		3+
71	OK99504W-396N152	30	MS		3+
72	NE03417	20	MR-MS		3+
73	NE03424	50	MS		3+
74	NE03432	5	R	20MS	3
75	NE03435	5	R	80S	3+
76	NE03457	60	MS	80S	X;3=
77	NE03458	10	MS	20S	X;3-
78	NE03488	30	MS	80SMS	3
79	NE03490	TR		40MS	3+
80	NE03522	5	MR	30MS	3-
81	NH03609	30	MR-MS	80MS	3+
82	NH03614	40	MS	80S	4
83	NI01824	30	MS	80S	X;3-
84	NI03418	30	MR	60MS	3+
85	NI03427	30	MS	20MS	X;3
86	NW03637	30	MR-MS		X;3
87	NW03638	30	MS		3-
88	NW03654	20	MR		3
89	NW03665	10	MR		X;3
90	NW03666	20	R-MR		3
91	NW03670	20	MR-MS	20S	3+
92	NW03681	30	MR-MS		X;3-
93	NW03698	70	S		X;3-
94	NI04403	5	MR		X;3-

Table 4. Reactions of entries in the 2005 RGON to leaf rust. See notes for identification of local checks.

Entry	Line or Selection	% infection	St. Paul, MN	Bushland, TX	Stillwater, OK
			reaction type	see notes	Stakeman
95	NI04414	5	R		3+
96	NI04421	70	S	80MSS	3+
97	NI04425	30	MR		3
98	NI04427	30	MR		3-
99	NI04430	40	MR		3+
100	TAM-107	80	S		3+
101	Karl 92	70	S	80MSS	3+
102	Arapahoe	20	MR		X;3-
103	local check 1	40	MS		3+
104	local check 2	70	S	100S	3+
105	local check 3	-		40MS	3+
106	NI04436	60	MS	80MSMR	X;3-
107	NI04419	70	S		3+
108	HV9W00-1172W	70	S		3
109	HV9W00-NE01506R	5	R		3+
110	HV9W00-NE01707R	10	MR	60RMR;	4
111	HV9W00-B361R	10	MR	tR	X;3-
112	HV9W00-B353R	5	R		3
113	HV9W00-B243R	TR		20R;	3-
114	HV9W00-B1551W	70	S	100S	4
115	HV9W94-CB94005R	5	R	40R;	X;3-
116	HV9W00-B267	20	MR-MS		3
117	HV9W00-B104	TR			X;3
118	HV9W00-119R	TR			3
119	HV9W00-198R	30	MR-MS		3
120	HV9W00-543R	50	MS		3+
121	HV9W00-B140R	TR		tR	X;3-
122	HV9W00-B231R	5	R	tR	X;3-
123	HV9W02-267W	40	MS		3+
124	HV9W02-441Rdn	5	R		3+
125	HV9W02-206W	5	MS		4
126	HV9W02-533R	20	MR		X;3
127	HV9W02-243W	40	MS	20S	3-
128	HV9W02-707W	30	MR-MS	20MS	X;3-
129	HV9W97-2112R-4	30	MR	20S	3+
130	HV9W02-TC953383R	10	R-MR		3+
131	HV9W97-2112W-2	30	MR-MS	100MS	3+
132	HV9W02-667R	5	MR	tR	3-
133	HV9W02-657R	20	R-MR	tR	3
134	HV9W02-846R	TR		tR	;
135	HV9W02-942R	5	R	tR	X;3=
136	HV9W96-1270W-1	TR		tR	3
137	HV9W02-548W	40	MS	40MS	3+
138	NW03Y2023	50	MS		X;3
139	NX03Y2315	-		80MSS	X;3
140	NX03Y2150	-			3-
141	NX03Y2397	40	MS		3



Table 4. Reactions of entries in the 2005 RGON to leaf rust. See notes for identification of local checks.

Entry	Line or Selection	St. Paul, MN		Bushland, TX	Stillwater, OK
		% infection	reaction type	see notes	Stakeman
142	NX03YW2207	—		100S	4
143	NX03Y2494	20	MS		3-
144	NX03Y2311	20	MS	40S	3
145	NX03Y2114	20	MS		3
146	NX03YW2063	50	MS		3-
147	NX03Y2184	—		80S	3+
148	NX03Y2270	—		40S	3+
149	NX03YW2064	—			3
150	TAM-107	30	MR-MS		3+
151	Karl 92	40	MS	80MS	3+
152	Arapahoe	10	MR	20S	X;3-
153	local check 1	40	MS		3
154	local check 2	40	MS	100S	4
155	local check 3	—		60MS	4
156	NX03Y2205	—		tR	X;3-
157	NX03Y2393	10	MS		3-
158	NX03Y2489	20	MR		X;3-
159	NX03Y2148	—			4
160	NX03Y2506	—			4
161	NX03Y2170	40	MS		3-
162	NX03Y2510	—			3
163	NX03Y2373	20	MR	20MS	3
164	NX03YW2368	10	MS	40S	3-
165	NX03YW2459	30	MS		3+
166	NX03Y2482	30	MS		3-
167	NX03Y2115	30	MS	80S	3
168	NX03Y2144	30	MS	80S	3+
169	NX03Y2395	20	MR		X;3-
170	CO01212	40	MS		4
171	CO01385	—		tR	4
172	CO01434	30	MR-MS	20MS	4
173	CO01473	10	R-MR		3
174	CO01W171	40	MS		3+
175	CO01W172	50	MS	100S	3
176	CO01W173	40	MR-MS	40S	3+
177	CO01W189	30	MR-MS	20S	3+
178	CO01W191	20	MS	60SMS	3+
179	CO02213	—			3+
180	CO02265	—		40MS	3
181	CO02316	—			4
182	CO02320	5	MS	20MS	3+
183	CO02322	40	MS	tR	3+
184	CO02440	—			4
185	CO02467	40	MS		3=
186	CO02487	—			3
187	CO02W010	30	MS		4
188	CO02W021	30	MR-MS	tR/40MS	4

Table 4. Reactions of entries in the 2005 RGON to leaf rust. See notes for identification of local checks.

Entry	Line or Selection	St. Paul, MN		Bushland, TX	Stillwater, OK
		% infection	reaction type	see notes	Stakeman
189	CO02W023	40	MR-MS	100MSS	3+
190	CO02W040	40	MS	100MSS	3+
191	CO02W180	30	MR-MS		3+
192	CO02W183	TR			X;3
193	CO02W185	5	R		3+
194	CO02W192	—			3
195	CO02W214	30	MR-MS	80S	3
196	CO02W237	30	MR-MS		3+
197	CO02W274	—			3-
198	CO02W280	30	MR-MS	80MS	3+
199	CO02W283	5	R		3+
200	TAM-107	50	MS		4
201	Karl 92	40	MS	80MS	3+
202	Arapahoe	10	R-MR	20MS	X;3-
203	local check 1	20	MS		3-
204	local check 2	40	MS	100S	4
205	local check 3	—		40MSS	4
206	SD03052	10	R		X;3=
207	SD03076	TR		tR	X;3-
208	SD03090	TR		10R	3=
209	SD03114	10	MR	10MSMR	3
210	SD03118	—		tR	3-
211	SD02018	TR		20RMR;	3+
212	SD02024	30	MS	20S	3
213	SD02039	30	MR-MS		3
214	SD02068	5	MR		X;3-
215	SD02091	TR		tR	3+
216	SD02279	5	R	20MS	X;3-
217	SD02286	10	R-MR	10MS	X;3-
218	SD02466	30	MS	40MSS	3
219	SD02480	20	MR/ 40 MS	40MS	3-
220	SD02501	40	MS		3+
221	SD02752	30	R-MR		3-
222	SD02771	5	R	30MS	3
223	SD02819	30	MS		3
224	SD01W062-4	—		100S	3
225	SD01W064-1	50	MS	30S	3+
226	SD03W018	5	R	20MS	3
227	SD03W029	40	MR-MS	40MS	4
228	SD03W063	50	MS	60S	3-
229	SD02W070	30	MR-MS		3
230	SD02W124	30	MS		3+
231	SD02W125	40	MS		3
232	SD02W126	40	MS		3
233	SD02W129	40	MS		3
234	SD02W130	40	MS		3+
235	SD02W132	40	MS		3-

Table 4. Reactions of entries in the 2005 RGON to leaf rust. See notes for identification of local checks.

Entry	Line or Selection	% infection	St. Paul, MN	Bushland, TX	Stillwater, OK
			reaction type	see notes	Stakeman
236	TX00V1117	10	R	tR	4
237	TX98A0190	20	MR-MS	tR	3
238	TX01V5134	10	MR	tR/20S	3-
239	TX01V5838	5	R		3+
240	TX02D6112	5	R		X;3-
241	TX02U2502	30	MR	tR;	3
242	TX02U2508	-		tR	3-
243	TX02U2510	-		tR;	X;3=
244	TX02U2557	5	R		X;3-
245	TX01A7326	TR		tR	3-
246	TX02V7615	10	R-MR	tR	3+
247	TX03M1004	-		tR	3
248	TX03M1008	TR		tR	3
249	TX03M1016	TR		tR	;
250	TAM-107	50	S		4
251	Karl 92	30	MS	80S	4
252	Arapahoe	10	R-MR	30MS	X;3-
253	local check 1	50	S		3
254	local check 2	60	S	100S	3+
255	local check 3	-		60MS	3+
256	TX03M1066	-		tR	X;3=
257	TX03M1096	TR		tR	3-
258	TX03M1097	TR		tR	3
259	TX03M1179	-		tR	3-
260	TX03M1196	-		20MS	X;3=
261	TX03M1214	10	MR-MS	20MS	3+
262	TX03M1305	TR		tR	X;3-
263	TX02D5797	-		tR	X;3=
264	TX02D5813	-		tR	3
265	TX02D6041	10	R	tR;	4
266	TX02D6222	10	MR-MS		X;3
267	TX99A0153-1	10	R	20MS	3+
268	TX02V7438	10	R-MR	60S	3+
269	TX02V7538	30	MS	20MS	X;3=
270	TX02V7806	20	MS	20MS	3
271	TX02V7838	20	R-MR	tR	3

Table 5. Reactions of entries in the 2005 RGON to stripe and stem rusts.

Entry	Line or Selection	Stem rust, St. Paul, MN									
		Stripe rust, Bushland, TX	Stripe rust, Corvallis, OR	Stripe & leaf rust, Mead, NE (0-10, 0=no infection, 10 = leaf death)	TPMK74 MN- 1409	Bulk (see notes)	Field response Severity	Field response Infection type	/	Field response Severity (if seg.)	Field response Infection type
1	TAM-107	100S-dead	90	10	2-	2	5	MR			
2	Karl 92	80S-lower lf	80	4	s	s	40	MS-S			
3	Arapahoe	80S	60	2	0;	2	0				
4	local check 1	100S-dead	30	2			60	S			
5	local check 2		30	2			40	MS-S			
6	local check 3	60MS	40	2			-				
7	KS03HW12-1	80MS	60	3	2/s	s	40	MS-S			
8	KS03HW12-4	80MS	80	3	s	s	40	S			
9	KS03HW12-6	80MS	50	4	s	s	60	MS-S			
10	KS03HW15-3	20MR	10	7	2	2	0				
11	KS03HW15-4	tR	10	7	2	2+	0				
12	KS03HW15-6	20MR	20	7	2	2+	0				
13	KS03HW38-2	20R	10	3	2-	2	TR				
14	KS03HW38-5	20R	15	2	2	2-	TR				
15	KS03HW97-1	80S	80	3	s	s	50	S			
16	KS03HW97-2	100S	80	4	s	s	60	S			
17	KS03HW97-3	80S	40	4	s	s	60	MS-S			
18	KS04HW40	100S	90	6	0;	2;	0				
19	KSO4HW41	100S	90	6	;	2	0				
20	KS04HW42	100S	90	6	;1-	2	0				
21	KS04HW43	100S-dead	90	6	;	2	0				
22	KSO4HW47	20MR	0	3	;1	;	0				
23	KSO4HW48	100S-dead	90	6	2	2-	0				
24	KSO4HW58	80S	40	4	s	s	0		/	10	S
25	KSO4HW59	80S	60	2	s	s	0		/	5	MS
26	KSO4HW60	80S	60	3	s	s	5	MS			
27	KS04HW79	tR	0	1	;12-	;	0				
28	KSO4HW87		50	3	2/s	2/s	20	MS			
29	KSO4HW88		60	3	2	2	0				

Table 5. Reactions of entries in the 2005 RGON to stripe and stem rusts.

Entry	Line or Selection	Stem rust, St. Paul, MN									
		Stripe rust, Bushland, TX	Stripe rust, Corvallis, OR	Stripe & leaf rust, Mead, NE (0-10, 0=no infection, 10 = leaf death)	TPMK74 MN- 1409	Bulk (see notes)	Field response Severity	Field response Infection type	/	Field response Severity (if seg.)	Field response Infection type
30	KSO4HW95	tR	0	1	s	s	10	S			
31	KSO4HW97	tR	0	2	s	s	10	S	/	0	
32	KSO4HW101	tRMR	0	1	s	s	TS				
33	KSO4HW114		15	2	s	s	TMR				
34	KSO4HW115		20	2	s	s	0				
35	KSO4HW119	10MRR	10	2	;12-	;12/s	0				
36	OK93P656H3299-84	40MSMR	80	3	2	s	20	S			
37	OK93P656H3299-99	40MSMR	80	3	2	s	20	S			
38	OK99610-1	tR	15	3	s	s	50	S			
39	OK99610-10	20R	20	3	s	s	50	MS-S			
40	OK00738-367025	60S	60	4	s	s	60	S			
41	OK00718-367068	tR	35	2	s	s	60	S			
42	OK00310-367101	tR	0	2	;	;	0				
43	OK0367157	100S	40	3	2-	1	0		/	5	MR-MS
44	OK0367158	100S	70	3	;	;1	0				
45	OK0367167	100S	30	4	2-	1	0				
46	OK0367169	100S	40	4	1	1	10	S			
47	OK0367172	40MRMS	90	3	s	s	10	S			
48	OK0367189	100S	90	6	0	s	10	MS-S			
49	OK0367194	100S	90	8	0	s	10	S			
50	TAM-107	100S	90	10	2	2-	TMR				
51	Karl 92	20MSMR	90	4	s	s	40	MS-S			
52	Arapahoe	100S	25	3	0;	;1-	0				
53	local check 1	100S	30	3			-				
54	local check 2		30	3			-				
55	local check 3	80MS	30	2			-				
56	OK00224-36805	20RMR	90	3	s	s	10	MS			
57	OK00125-36808	tR	20	3	2	2-	0				
58	OK00309-36812	10R	15	2	s	s	60	S			

Table 5. Reactions of entries in the 2005 RGON to stripe and stem rusts.

Entry	Line or Selection	Stem rust, St. Paul, MN								
		Stripe rust, Bushland, TX	Stripe rust, Corvallis, OR	Stripe & leaf rust, Mead, NE (0-10, 0=no infection, 10 = leaf death)	TPMK74 MN- 1409	Bulk (see notes)	Field response Severity	Field response Infection type	/	Field response Severity (if seg.)
59	OK02619	100S	90	6	s	s	20	S		
60	OK02707	100S	90	7	s	1	30	S		
61	OK02207	100S	90	8	2	1+/s	TMR			
62	OK02213	tR	0	6	s	s	70	S		
63	OK02214	tR	10	5	s	s	60	S		
64	OK02230	80S	80	6	s	s	40	MS		
65	OK02231	60S	90	7	s	s	40	S-MS		
66	OK02317		70	3	s	s/2-	20	MR-MS		
67	OK02125		10	2	;	;	0			
68	OK02405		10	4	s	s	40	S		
69	OK02810	20MS	70	4	s	s	20	S		
70	OK0366271	100S	90	4	s	s	40	MS		
71	OK99504W-396N152	100S	90	5	s	s	20	MS		
72	NE03417	80S	60	4	2/s	s	30	MS-S		
73	NE03424	100S	40	5	;/s	s	20	MS-S		
74	NE03432	60S	5	5	0;	s	30	MS-S		
75	NE03435	20MS	40	4	0;	2	20	MR-MS		
76	NE03457	20MS	25	4	0;/2	;	TR			
77	NE03458	80S	40	5	0	;/1	0			
78	NE03488	20SMS	40	3	s	s	20	MS		
79	NE03490	60MSMR	10	3	s	s	10	MR-MS		
80	NE03522	60MS	90	5	1	1	0			
81	NH03609	20MR	40	3	;	s	0			
82	NH03614	40S	40	3	2	s	10	S	/	0
83	NI01824	20MS	0-60	2	;	s	20	MS		
84	NI03418	40S	30	2	;/s/s	s	20	S		
85	NI03427	tR/100S	50	3	0;/2	1+	TR			
86	NW03637	100S	50	3	0;	s	TMR		/	20
87	NW03638	100S	90	3	s	s	5	R-MR		S

Table 5. Reactions of entries in the 2005 RGON to stripe and stem rusts.

Entry	Line or Selection	Stem rust, St. Paul, MN								
		Stripe rust, Bushland, TX	Stripe rust, Corvallis, OR	Stripe & leaf rust, Mead, NE (0-10, 0=no infection, 10 = leaf death)	TPMK74 MN- 1409	Bulk (see notes)	Field response Severity	Field response Infection type	/	Field response Severity (if seg.)
88	NW03654	100S	90	3	0	s	5	S		
89	NW03665	100S	0	3	0;	s	10	MS-S		
90	NW03666	100S	30	3	0;	s	5	MS-S		
91	NW03670	80MS	50	6	s	s	0			
92	NW03681	40MRMS	15	2	2-	1+	0			
93	NW03698	80SMS	80	4	2-	1	0			
94	NI04403	100S	90	4	0;	;	0			
95	NI04414	80MRMS	70	4	s	s	30	MS		
96	NI04421	20S	30	4	;1/s	s	30	MS		
97	NI04425	100S	90	5	1-	1	0			
98	NI04427	100S	90	5	1+	1/s	0			
99	NI04430	100S	20	5	;2/s	s	0			
100	TAM-107	100S	90	10	2	;12	TMR			
101	Karl 92	30MRMS	90	5	s	s	10	MS		
102	Arapahoe	80S	60	4	0;	;2-	0	/	10	MS
103	local check 1	100S	30	3			50	S		
104	local check 2		30	3			30	MS		
105	local check 3	80MS	30	3			40	MS		
106	NI04436	20MR	60	3	0;	;	TR			
107	NI04419	100S	90	6	;2+	s	50	MS		
108	HV9W00-1172W	100S	90	7	s	s	20	MR-MS		
109	HV9W00-NE01506R	100S	70	10	1+	1	0			
110	HV9W00-NE01707R	20RMR	70	8	2	s	60	S		
111	HV9W00-B361R	20R	60	3	1+	;	0			
112	HV9W00-B353R	100S	90	4	2-	;1	0			
113	HV9W00-B243R	tR	10mr	5	0;	0;	TMR			
114	HV9W00-B1551W		35	3	2	1+	5	R-MR		
115	HV9W94-CB94005R	tR	45	2	1+	0;	0			
116	HV9W00-B267	100S	90	6	1	;1	TMR			

Table 5. Reactions of entries in the 2005 RGON to stripe and stem rusts.

Entry	Line or Selection	Stem rust, St. Paul, MN								
		Stripe rust, Bushland, TX	Stripe rust, Corvallis, OR	Stripe & leaf rust, Mead, NE (0-10, 0=no infection, 10 = leaf death)	TPMK74 MN- 1409	Bulk (see notes)	Field response Severity	Field response Infection type	/	Field response Severity (if seg.)
117	HV9W00-B104	80S	80	5	s	s	20	MS		
118	HV9W00-119R	100S	90	5	;	s	50	S		
119	HV9W00-198R	100S	90	4	s	s	30	MS		
120	HV9W00-543R	100S	65	4	2	s	10	MR		
121	HV9W00-B140R	20RMR	20	2	;1	0;	0			
122	HV9W00-B231R	10R	tr	3	0;	0;	0			
123	HV9W02-267W	100S	30mr/ms	6	;	2/s	10	MS-S		
124	HV9W02-441Rdn	100S	90	6	s	s	40	MS		
125	HV9W02-206W	100S	90	8	s	s	60	MS-S		
126	HV9W02-533R	100S	90	8	2	1+	0			
127	HV9W02-243W	80S	75	4	1	1	0			
128	HV9W02-707W	tR	65mix	3	;12-/s	;/s	0			
129	HV9W97-2112R-4	80S	30	3	2	;1	10	MR		
130	HV9W02-TC953383R	100S	90	4	s	s	30	MS		
131	HV9W97-2112W-2		10	3	2	2-	0			
132	HV9W02-667R	tMRMS	0	2	0	;	0			
133	HV9W02-657R	20MR	80	3	s	s	40	MS	/	0
134	HV9W02-846R	tR	40	2	s	s	30	S		
135	HV9W02-942R	tR	seg mix	2	;	;	0			
136	HV9W96-1270W-1	tR	10	3	2	1+	0			
137	HV9W02-548W	tR	0	3	;s	s	10	MR-MS		
138	NW03Y2023	80MRMS	60	4	;	2	0			
139	NX03Y2315	20MS	25	3	0;	0;	—			
140	NX03Y2150	100S	99	7	;	s	—			
141	NX03Y2397	100S	99	4	s	s	40	S		
142	NX03YW2207		80	7	s	s	—			
143	NX03Y2494	100S	70	6	0;	s	20	S		
144	NX03Y2311	80S	80	7	;	s	10	MS-S		
145	NX03Y2114	100S	60	5	;	s	40	S		



Table 5. Reactions of entries in the 2005 RGON to stripe and stem rusts.

Entry	Line or Selection	Stem rust, St. Paul, MN									
		Stripe rust, Bushland, TX	Stripe rust, Corvallis, OR	Stripe & leaf rust, Mead, NE (0-10, 0=no infection, 10 = leaf death)	TPMK74 MN- 1409	Bulk (see notes)	Field response Severity	Field response Infection type	/	Field response Severity (if seg.)	Field response Infection type
146	NX03YW2063	100S	90	5	s	s	50	S			
147	NX03Y2184	30SMS	90	5	s	s	—				
148	NX03Y2270	80S	80	3	s	s	—				
149	NX03YW2064	100S	90	6	s	s	—				
150	TAM-107	100S	90	9	2	2	0		/	40	S
151	Karl 92	20S	60	6	s	s	40	MS			
152	Arapahoe	80S	70	4	0;	2;	0				
153	local check 1	100S	30	3			70	S			
154	local check 2		30	2			50	S			
155	local check 3	80MS	30	2			—				
156	NX03Y2205	tR	20	2	2	s	—				
157	NX03Y2393	100S	90	6	s	s	5	R	/	10	S
158	NX03Y2489	100S	60	7	0;	s	0				
159	NX03Y2148	100S	99	10	0;	s	—				
160	NX03Y2506	100S	70	8	;	s	—				
161	NX03Y2170	80MRMS	70	8	s	s	—				
162	NX03Y2510	100S	80	8	;	s	—				
163	NX03Y2373	80MRMS	70	3	2	s	5	R-MR			
164	NX03YW2368	40S	90	3	s	s	10	MR			
165	NX03YW2459	100S	80	7	0;	s	—				
166	NX03Y2482	100S	99	7	0;	s	0		/	20	S
167	NX03Y2115	40S	50	3	;	s	TMR-MS				
168	NX03Y2144	20MRMS	40	2	2-/s	s	5	MS			
169	NX03Y2395	100S	90	4	0;	s	0				
170	CO01212	80SMS	90	5	s	s	40	S			
171	CO01385	20R	80	6	s	s	—				
172	CO01434	20R	80	8	s	s	40	MS	/	0	
173	CO01473	100S	80	8	s	0;	5	MR-MS			
174	CO01W171	100S	80	8	s	s	50	S			

Table 5. Reactions of entries in the 2005 RGON to stripe and stem rusts.

Entry	Line or Selection	Stem rust, St. Paul, MN								
		Stripe rust, Bushland, TX	Stripe rust, Corvallis, OR	Stripe & leaf rust, Mead, NE (0-10, 0=no infection, 10 = leaf death)	TPMK74 MN- 1409	Bulk (see notes)	Field response Severity	Field response Infection type	/	Field response Severity (if seg.)
175	CO01W172	20R	80	8	0	s	50	MS-S		
176	CO01W173	40S	80	9	0	s	60	MS		
177	CO01W189	80S	80	8	s	s	40	MS		
178	CO01W191	20MR	60	8	s	s	—			
179	CO02213	100S	99	9	0	2+	—			
180	CO02265	tR/80S	80	4	;	s	0			
181	CO02316	100S	90	9	;	s	20	S		
182	CO02320	60S/tR	40	3	s	s	0			
183	CO02322	tR	70	6	s	s	30	MS-S		
184	CO02440	100S	90	6	s	s	—			
185	CO02467	100S	90	9	2	2	0			
186	CO02487	100S	90	8	s	s	—			
187	CO02W010	100S	90	8	s	s	40	S		
188	CO02W021	tR	90mix	8	s	s	50	S	/	0
189	CO02W023		90mix	6	s	s	20	S		
190	CO02W040		90mix	8	;	s	40	S		
191	CO02W180	100S	80	8	s	s	40	S		
192	CO02W183	100S	80	6	s	s	40	MS-S		
193	CO02W185	100S	90	5	s	2	60	S		
194	CO02W192	100S	80	5	s	s	—			
195	CO02W214	40S	0	4	s	2+	0			
196	CO02W237	100S	40	4	s	s	5	MS	/	0
197	CO02W274	100S	70	4	s	s	0			
198	CO02W280	20MS	50	5	s	s	5	S		
199	CO02W283	100S	90	8	s	s	60	S		
200	TAM-107	100S	90	10	2/s	s	10	MR	/	30
201	Karl 92	30S	80	4	s	s	20	S-MS		S
202	Arapahoe	80S	50	3	0;	;1	0			
203	local check 1	100S	30	3			60	S		

Table 5. Reactions of entries in the 2005 RGON to stripe and stem rusts.

Entry	Line or Selection	Stem rust, St. Paul, MN								
		Stripe rust, Bushland, TX	Stripe rust, Corvallis, OR	Stripe & leaf rust, Mead, NE (0-10, 0=no infection, 10 = leaf death)	TPMK74 MN- 1409	Bulk (see notes)	Field response Severity	Field response Infection type	/	Field response Severity (if seg.)
204	local check 2		30	3			50	S		
205	local check 3	60MS	30	2			—			
206	SD03052	100S	60	4	;	;	0			
207	SD03076	40S	40	4	0	s	30	MS		
208	SD03090	60S	40	2	0;	s	20	S		
209	SD03114	40MSS	20	2	0;	s	TMS			
210	SD03118	60S	70	2	0	s	—			
211	SD02018	tR	0	2	2	s	0	/	5	S
212	SD02024	80S	40	3	-	2	0			
213	SD02039	100S	60	4	2-	-	0			
214	SD02068	100S	70	4	;	0	0			
215	SD02091	20RMR	0	2	s low IF	s low IF	TMR			
216	SD02279	80S	R?	3	;	-	5	MR-MS		
217	SD02286	60SMS	20	4	-	-	0			
218	SD02466	30MS	35	4	-	;1	0			
219	SD02480	30MS	40	4	-	;1	TMR			
220	SD02501	100S	30	4	0;	s	0			
221	SD02752	100S	20	6	2	1	0			
222	SD02771	80S	60	4	;	s	10	MS		
223	SD02819	100S	60	3	2	;12	0			
224	SD01W062-4		40	5	2+	-	—			
225	SD01W064-1	60S	60	6	2+	-	0			
226	SD03W018	60S	50	5	-	-	TS			
227	SD03W029	40MS	10	4	s?	-	30	MS-S		
228	SD03W063	40MS	40	4	0	-	5	MR		
229	SD02W070	100S	90	7	-	;	TR			
230	SD02W124	100S	90	7	0;	0;	TR			
231	SD02W125	100S	80	4	-	-	0			
232	SD02W126	100S	90	5	0;	2	0			

Table 5. Reactions of entries in the 2005 RGON to stripe and stem rusts.

Entry	Line or Selection	Stem rust, St. Paul, MN								
		Stripe rust, Bushland, TX	Stripe rust, Corvallis, OR	Stripe & leaf rust, Mead, NE (0-10, 0=no infection, 10 = leaf death)	TPMK74 MN- 1409	Bulk (see notes)	Field response Severity	Field response Infection type	/	Field response Severity (if seg.)
233	SD02W129	100S	80	5	0	-	0			
234	SD02W130	100S	80	4	-	2-	0			
235	SD02W132	100S	80	4	-	-	0			
236	TX00V1117	80S	70	3	s	s	40	S		
237	TX98A0190	60MSMR	99	4	s	s	50	MS-S		
238	TX01V5134	20MRMS	5	3	1-/2+	;	TR			
239	TX01V5838	100S	99	5	2	1+	-			
240	TX02D6112	100S	90	5	s	s	0			
241	TX02U2502	20MR	40	4	2-	1+	0	/	40	S
242	TX02U2508	tR	10-60	2	2-	;1	-			
243	TX02U2510	10R	tr	2	2-	;1	-			
244	TX02U2557	100S	85	3	s	;2	0	/	40	S
245	TX01A7326	20MRMS	30	2	s	s/;	0			
246	TX02V7615	80S	70	3	2	1	0	/	TS	
247	TX03M1004	60S	40	3	2	2/s	-			
248	TX03M1008	80S	30	3	2	1+	5	S		
249	TX03M1016	tR	20	2	0;/2	;	0			
250	TAM-107	100S	90	9	2	s	0			
251	Karl 92	20MS	80	5	s	s	40	MS		
252	Arapahoe	80S	60	4	0;	;2	0			
253	local check 1	100S	30	4			60	S		
254	local check 2		30	2			50	S		
255	local check 3	60MS	30	2			-			
256	TX03M1066	40MSS	30	2	0;/s/s	;2/s	0			
257	TX03M1096	tR	0	2	s	s	0			
258	TX03M1097	tR	0/70 mix	2	;/s(1pl)	s	0	/	40	S
259	TX03M1179	30MS	0	2	s	;1	-			
260	TX03M1196	60MSS	80	2	;	;1	-			
261	TX03M1214	80SMS	80	3	;2+	s/2	0	/	10	MS

Table 5. Reactions of entries in the 2005 RGON to stripe and stem rusts.

Entry	Line or Selection	Stem rust, St. Paul, MN									
		Stripe rust, Bushland, TX	Stripe rust, Corvallis, OR	Stripe & leaf rust, Mead, NE (0-10, 0=no infection, 10 = leaf death)	TPMK74 MN- 1409	Bulk (see notes)	Field response Severity	Field response Infection type	/	Field response Severity (if seg.)	Field response Infection type
262	TX03M1305	30MSMR	20	2	s	s	20	MS			
263	TX02D5797	60SMS	80	3	s	s	—				
264	TX02D5813	30MRMS	90	2	2	2	—				
265	TX02D6041	40MS	90	4	s	s	50	MS-S			
266	TX02D6222	100S	90	9	s	s	40	MS			
267	TX99A0153-1	80S	60	5	2-	1+	0				
268	TX02V7438	60S	80	4	0	s	TMR	/	10	MR	
269	TX02V7538	60S	45mix	5	;1/s(1pl)	;s	0				
270	TX02V7806	60S	80	9	2	2-	0				
271	TX02V7838	60S	40	4	2	2-	0				

Table 6. Reactions of entries in the 2005 RGON to wheat viruses and Fusarium head blight. See notes for identification of local checks.

Entry	Line or Selection	WSSMV & WSBMV, Stillwater, OK (1-4)		Fusarium head blight, Brookings, SD			Fusarium head blight, Mead, NE		% Avg Head Severity (1- 100)
		03/08	03/18	Incidence	Severity	Disease Index	% Avg Plot Severity (1- 100)	% Incidence	
1	TAM-107	4	4	100	62.8	62.8	.	.	.
2	Karl 92	1	1	100	58.5	58.5	.	.	.
3	Arapahoe	4	4	100	57.9	57.9	.	.	.
4	local check 1	4	4				.	.	.
5	local check 2	1	1				.	.	.
6	local check 3	2	2				.	.	.
7	KS03HW12-1	3	3	100	59.3	59.3	.	.	.
8	KS03HW12-4	3	3	100	63.3	63.3	.	.	.
9	KS03HW12-6	4	4	100	75.3	75.3	.	.	.
10	KS03HW15-3	4	4	100	66.3	66.3	3	12	30
11	KS03HW15-4	4	4	100	73.3	73.3	.	.	.
12	KS03HW15-6	4	4	100	77.3	77.3	.	.	.
13	KS03HW38-2	4	4	100	63.3	63.3	.	.	.
14	KS03HW38-5	4	4	100	49.3	49.3	.	.	.
15	KS03HW97-1	4	4	100	53.3	53.3	.	.	.
16	KS03HW97-2	4	4	100	56.3	56.3	.	.	.
17	KS03HW97-3	3	3	100	41.3	41.3	.	.	.
18	KS04HW40	1	1	100	51.3	51.3	.	.	.
19	KSO4HW41	1	1	100	64.3	64.3	.	.	.
20	KS04HW42	1	1	100	49.3	49.3	.	.	.
21	KS04HW43	1	1	100	66.3	66.3	1	24	30
22	KSO4HW47	1	1	100	56.3	56.3	2	15	30
23	KSO4HW48	1	1	100	59.3	59.3	.	.	.
24	KSO4HW58	1	1	100	54.3	54.3	.	.	.
25	KSO4HW59	1	1	100	32.3	32.3	4	8	30
26	KSO4HW60	1	1	100	63.3	63.3	2	13	30
27	KS04HW79	3	3	100	38.3	38.3	3	11	30
28	KSO4HW87	2	2	100	48.3	48.3	1	25	30
29	KSO4HW88	3	3	100	68.3	68.3	4	8	30
30	KSO4HW95	4	4	100	66.3	66.3	4	8	30
31	KSO4HW97	4	4	100	72.3	72.3	3	10	30
32	KSO4HW101	2	2	100	62.3	62.3	2	17	30
33	KSO4HW114	3	3	100	69.3	69.3	3	9	30
34	KSO4HW115	3	3	100	65.3	65.3	2	14	30
35	KSO4HW119	3	3	100	69.3	69.3	4	8	30
36	OK93P656H3299-84	1	1	100	66.3	66.3	2	13	30
37	OK93P656H3299-99	1	1	100	82.3	82.3	2	15	30
38	OK99610-1	1	1	100	56.3	56.3	3	12	30
39	OK99610-10	1	2	100	47.3	47.3	2	12	30
40	OK00738-367025	1	1				.	.	.
41	OK00718-367068	4	4	100	61.3	61.3	3	9	30
42	OK00310-367101	1	1	100	68.3	68.3	3	11	30
43	OK0367157	2	2	100	63.3	63.3	4	8	30
44	OK0367158	2	1	100	34.3	34.3	2	14	30
45	OK0367167	1	1	100	82.3	82.3	3	11	30
46	OK0367169	1	1	100	52.3	52.3	3	9	30
47	OK0367172	2	2	100	35.3	35.3	4	8	30

Table 6. Reactions of entries in the 2005 RGON to wheat viruses and Fusarium head blight. See notes for identification of local checks.

Entry	Line or Selection	WSSMV & WSBMV, Stillwater, OK (1-4)		Fusarium head blight, Brookings, SD			Fusarium head blight, Mead, NE		% Avg Head Severity (1- 100)
		03/08	03/18	Incidence	Severity	Disease Index	% Avg Plot Severity (1- 100)	% Incidence	
48	OK0367189	1	1	100	38.3	38.3	.	.	.
49	OK0367194	1	1	100	68.3	68.3	2	12	30
50	TAM-107	4	4				2	14	30
51	Karl 92	2	1				3	12	30
52	Arapahoe	4	4				.	.	.
53	local check 1	4	4				.	.	.
54	local check 2	1	1				.	.	.
55	local check 3	2	2				.	.	.
56	OK00224-36805	2	2	100	81.3	81.3	3	9	30
57	OK00125-36808	3	2	100	61.3	61.3	4	8	30
58	OK00309-36812	2	1	100	41.3	41.3	4	8	30
59	OK02619	4	4	100	67.3	67.3	2	13	30
60	OK02707	4	4	100	35.3	35.3	2	18	30
61	OK02207	1	1	100	83.3	83.3	4	7	30
62	OK02213	3	3	100	69.3	69.3	4	7	30
63	OK02214	2	1	100	62.3	62.3	2	13	30
64	OK02230	1	1	100	34.3	34.3	4	7	30
65	OK02231	1	1	100	73.3	73.3	.	.	.
66	OK02317	1	1	100	75.3	75.3	3	10	30
67	OK02125	1	1	100	69.3	69.3	2	20	30
68	OK02405	1	1	100	77.3	77.3	4	8	30
69	OK02810	1	1	100	71.3	71.3	4	7	30
70	OK0366271	1	1	100	65.3	65.3	4	7	30
71	OK99504W-396N152	1	1	100	74.3	74.3	.	.	.
72	NE03417	1	1	100	48.3	48.3	3	7	19
73	NE03424	1	1	100	64.3	64.3	3	11	30
74	NE03432	2	2	100	56.3	56.3	2	8	19
75	NE03435	2	1	100	73.3	73.3	3	7	19
76	NE03457	1	1	100	77.3	77.3	4	7	30
77	NE03458	3	3	100	77.3	77.3	3	9	30
78	NE03488	2	2	100	74.3	74.3	2	20	30
79	NE03490	3	3	100	69.3	69.3	4	7	30
80	NE03522	2	2	100	57.3	57.3	4	7	30
81	NH03609	2	2	100	60.3	60.3	3	7	19
82	NH03614	2	2	100	61.3	61.3	4	7	30
83	NI01824	2	2	100	62.3	62.3	4	7	30
84	NI03418	3	3	100	75.3	75.3	3	12	30
85	NI03427	2	2	100	83.3	83.3	3	7	19
86	NW03637	2	2	100	81.3	81.3	0	100	30
87	NW03638	1	1	100	82.3	82.3	2	16	30
88	NW03654	1	1	100	31.3	31.3	4	7	30
89	NW03665	2	3	100	76.3	76.3	4	7	30
90	NW03666	2	1	100	61.3	61.3	4	7	30
91	NW03670	2	2	100	85.3	85.3	4	8	30
92	NW03681	2	2	100	53.3	53.3	4	7	26
93	NW03698	1	2	100	85.3	85.3	.	.	.
94	NI04403	4	4	100	75.3	75.3	4	7	30

Table 6. Reactions of entries in the 2005 RGON to wheat viruses and Fusarium head blight. See notes for identification of local checks.

Entry	Line or Selection	WSSMV & WSBMV, Stillwater, OK (1-4)		Fusarium head blight, Brookings, SD			Fusarium head blight, Mead, NE		% Avg Head Severity (1- 100)
		03/08	03/18	Incidence	Severity	Disease Index	% Avg Plot Severity (1- 100)	% Incidence	
95	NI04414	4	4	100	81.3	81.3	3	9	26
96	NI04421	2	2	100	47.3	47.3	4	8	30
97	NI04425	2	2	100	72.3	72.3	2	15	30
98	NI04427	3	3	100	70.3	70.3	3	12	30
99	NI04430	3	2	100	63.3	63.3	3	8	26
100	TAM-107	4	4				.	.	.
101	Karl 92	2	2				3	12	30
102	Arapahoe	3	4				.	.	.
103	local check 1	4	4				3	9	30
104	local check 2	1	1				.	.	.
105	local check 3	2	2				4	8	30
106	NI04436	1	1	100	87.6	87.6	2	13	30
107	NI04419	1	1	100	70.6	70.6	3	10	30
108	HV9W00-1172W	2	2	100	63.6	63.6	3	11	30
109	HV9W00-NE01506R	4	4	100	60.6	60.6	4	8	30
110	HV9W00-NE01707R	1	2	100	64.6	64.6	2	8	15
111	HV9W00-B361R	1	1	100	65.6	65.6	4	8	30
112	HV9W00-B353R	1	2	100	75.6	75.6	4	8	30
113	HV9W00-B243R	2	2	100	73.6	73.6	4	8	30
114	HV9W00-B1551W	1	1	100	61.6	61.6	.	.	.
115	HV9W94-CB94005R	1	2	100	67.6	67.6	2	19	30
116	HV9W00-B267	1	1	100	87.6	87.6	.	.	.
117	HV9W00-B104	1	1	100	87.6	87.6	3	10	30
118	HV9W00-119R	2	2	100	66.6	66.6	1	28	30
119	HV9W00-198R	1	1	100	82.6	82.6	1	20	30
120	HV9W00-543R	1	2	100	53.6	53.6	3	10	30
121	HV9W00-B140R	1	1	100	58.6	58.6	4	7	30
122	HV9W00-B231R	1	1	100	68.6	68.6	4	7	30
123	HV9W02-267W	3	3	100	57.6	57.6	4	8	30
124	HV9W02-441Rdn	3	3	100	74.6	74.6	2	13	30
125	HV9W02-206W	3	3	100	78.6	78.6	4	7	30
126	HV9W02-533R	1	1	100	57.6	57.6	4	7	30
127	HV9W02-243W	3	3	100	83.6	83.6	3	11	30
128	HV9W02-707W	2	2	100	61.6	61.6	3	12	30
129	HV9W97-2112R-4	2	2	100	43.6	43.6	2	15	30
130	HV9W02-TC953383R	2	1	100	83.6	83.6	3	11	30
131	HV9W97-2112W-2	1	1	100	46.6	46.6	4	8	30
132	HV9W02-667R	1	1	100	46.6	46.6	4	8	30
133	HV9W02-657R	2	1	100	56.6	56.6	4	8	30
134	HV9W02-846R	2	1	100	36.6	36.6	4	8	30
135	HV9W02-942R	2	1	100	59.6	59.6	4	8	30
136	HV9W96-1270W-1	2	2	100	54.6	54.6	.	.	.
137	HV9W02-548W	1	2	100	72.6	72.6	3	11	30
138	NW03Y2023	1	1	100	87.6	87.6	3	9	30
139	NX03Y2315	4	4	100	81.6	81.6	3	10	30
140	NX03Y2150	2	2	100	71.6	71.6	3	10	30
141	NX03Y2397	3	4	100	56.6	56.6	2	16	30



Table 6. Reactions of entries in the 2005 RGON to wheat viruses and Fusarium head blight. See notes for identification of local checks.

Entry	Line or Selection	WSSMV & WSBMV, Stillwater, OK (1-4)		Fusarium head blight, Brookings, SD			Fusarium head blight, Mead, NE		% Avg Head Severity (1- 100)
		03/08	03/18	Incidence	Severity	Disease Index	% Avg Plot Severity (1- 100)	% Incidence	
142	NX03YW2207	1	1	100	69.6	69.6	1	24	30
143	NX03Y2494	1	1	100	76.6	76.6	.	.	.
144	NX03Y2311	2	1	100	66.6	66.6	.	.	.
145	NX03Y2114	3	3	100	50.6	50.6	2	18	30
146	NX03YW2063	2	2	100	65.6	65.6	.	.	.
147	NX03Y2184	3	3	100	91.6	91.6	.	.	.
148	NX03Y2270	1	1	100	80.6	80.6	.	.	.
149	NX03YW2064	2	2	100	68.6	68.6	.	.	.
150	TAM-107	4	4	.	.	.	.	.	.
151	Karl 92	3	2	.	.	.	.	.	.
152	Arapahoe	4	3	.	.	.	.	.	.
153	local check 1	4	4	.	.	.	.	.	.
154	local check 2	1	1	.	.	.	.	.	.
155	local check 3	3	3	.	.	.	.	.	.
156	NX03Y2205	1	1	100	65.6	65.6	.	.	.
157	NX03Y2393	4	3	100	69.6	69.6	.	.	.
158	NX03Y2489	4	3	100	78.6	78.6	.	.	.
159	NX03Y2148	4	4	100	61.6	61.6	.	.	.
160	NX03Y2506	4	4	.	.	.	.	.	.
161	NX03Y2170	2	3	100	85.6	85.6	.	.	.
162	NX03Y2510	3	4	100	59.6	59.6	.	.	.
163	NX03Y2373	1	2	100	75.6	75.6	.	.	.
164	NX03YW2368	1	1	100	53.6	53.6	.	.	.
165	NX03YW2459	3	4	100	59.6	59.6	.	.	.
166	NX03Y2482	2	2	100	50.6	50.6	.	.	.
167	NX03Y2115	1	1	100	62.6	62.6	.	.	.
168	NX03Y2144	1	1	100	61.6	61.6	.	.	.
169	NX03Y2395	3	4	100	67.6	67.6	.	.	.
170	CO01212	3	3	100	43.6	43.6	.	.	.
171	CO01385	3	3	100	73.6	73.6	2	15	30
172	CO01434	2	2	100	56.6	56.6	4	7	30
173	CO01473	4	4	100	52.6	52.6	.	.	.
174	CO01W171	1	1	100	64.6	64.6	.	.	.
175	CO01W172	2	2	100	51.6	51.6	.	.	.
176	CO01W173	1	1	100	52.6	52.6	.	.	.
177	CO01W189	3	4	100	84.6	84.6	2	18	30
178	CO01W191	3	4	100	41.6	41.6	4	7	30
179	CO02213	3	4	100	57.6	57.6	2	7	12
180	CO02265	2	2	100	60.6	60.6	3	12	30
181	CO02316	2	1	100	51.6	51.6	.	.	.
182	CO02320	3	3	100	61.6	61.6	2	12	30
183	CO02322	2	2	100	40.6	40.6	.	.	.
184	CO02440	4	4	100	76.6	76.6	3	11	30
185	CO02467	4	4	100	87.6	87.6	4	7	30
186	CO02487	1	1	100	81.6	81.6	3	11	30
187	CO02W010	1	1	100	46.6	46.6	4	7	30
188	CO02W021	2	2	100	78.6	78.6	.	.	.

Table 6. Reactions of entries in the 2005 RGON to wheat viruses and Fusarium head blight. See notes for identification of local checks.

Entry	Line or Selection	WSSMV & WSBMV, Stillwater, OK (1-4)		Fusarium head blight, Brookings, SD			Fusarium head blight, Mead, NE		% Avg Head Severity (1- 100)
		03/08	03/18	Incidence	Severity	Disease Index	% Avg Plot Severity (1- 100)	% Incidence	
189	CO02W023	1	1	100	55.6	55.6	2	16	30
190	CO02W040	1	2	100	76.6	76.6	2	13	30
191	CO02W180	3	4	100	56.6	56.6	4	8	30
192	CO02W183	1	2	100	64.6	64.6	4	7	30
193	CO02W185	4	4	100	49.6	49.6	.	.	.
194	CO02W192	3	3	100	40.6	40.6	4	7	30
195	CO02W214	1	1	100	68.6	68.6	3	9	30
196	CO02W237	2	2	100	74.6	74.6	.	.	.
197	CO02W274	4	4	100	61.6	61.6	4	7	30
198	CO02W280	4	3	100	50.6	50.6	.	.	.
199	CO02W283	4	4	100	70.6	70.6	1	27	30
200	TAM-107	4	4	.	.	.	.	.	.
201	Karl 92	1	1	.	.	.	4	8	30
202	Arapahoe	3	3	.	.	.	.	.	.
203	local check 1	4	4	.	.	.	.	.	.
204	local check 2	1	1	.	.	.	.	.	.
205	local check 3	2	1	.	.	.	4	8	30
206	SD03052	3	2	100	81.7	81.7	.	.	.
207	SD03076	1	2	100	73.7	73.7	4	8	30
208	SD03090	3	4	100	67.7	67.7	.	.	.
209	SD03114	2	2	100	39.7	39.7	.	.	.
210	SD03118	3	3	100	67.7	67.7	.	.	.
211	SD02018	4	4	100	46.7	46.7	.	.	.
212	SD02024	4	4	100	61.7	61.7	.	.	.
213	SD02039	4	4	100	59.7	59.7	.	.	.
214	SD02068	3	3	100	67.7	67.7	.	.	.
215	SD02091	1	1	100	76.7	76.7	4	7	30
216	SD02279	4	4	100	50.7	50.7	.	.	.
217	SD02286	3	3	100	55.7	55.7	.	.	.
218	SD02466	3	2	100	74.7	74.7	.	.	.
219	SD02480	3	3	100	57.7	57.7	.	.	.
220	SD02501	3	2	100	57.7	57.7	.	.	.
221	SD02752	2	2	100	66.7	66.7	1	47	29
222	SD02771	3	3	100	64.7	64.7	.	.	.
223	SD02819	4	4	100	64.7	64.7	.	.	.
224	SD01W062-4	3	3	100	72.7	72.7	1	34	30
225	SD01W064-1	3	4	100	61.7	61.7	.	.	.
226	SD03W018	2	2	100	67.7	67.7	.	.	.
227	SD03W029	2	3	100	57.7	57.7	1	33	30
228	SD03W063	2	3	100	61.7	61.7	.	.	.
229	SD02W070	4	4	100	48.7	48.7	3	7	21
230	SD02W124	1	2	100	25.7	25.7	4	7	30
231	SD02W125	1	2	100	85.7	85.7	.	.	.
232	SD02W126	1	1	100	50.7	50.7	1	31	30
233	SD02W129	2	2	100	75.7	75.7	.	.	.
234	SD02W130	2	1	100	81.7	81.7	.	.	.
235	SD02W132	1	1	100	63.7	63.7	.	.	.

Table 6. Reactions of entries in the 2005 RGON to wheat viruses and Fusarium head blight. See notes for identification of local checks.

Entry	Line or Selection	WSSMV & WSBMV, Stillwater, OK (1-4)		Fusarium head blight, Brookings, SD			Fusarium head blight, Mead, NE		% Avg Head Severity (1- 100)
		03/08	03/18	Incidence	Severity	Disease Index	% Avg Plot Severity (1- 100)	% Incidence	
236	TX00V1117	3	3	100	70.7	70.7	4	7	30
237	TX98A0190	3	2	100	55.7	55.7	4	7	30
238	TX01V5134	3	3	100	40.7	40.7	4	8	30
239	TX01V5838	4	4	100	73.7	73.7	2	24	51
240	TX02D6112	2	1	100	43.7	43.7	4	8	30
241	TX02U2502	3	3	100	66.7	66.7	3	12	30
242	TX02U2508	3	3	100	49.7	49.7	.	.	.
243	TX02U2510	3	3	100	41.7	41.7	3	12	30
244	TX02U2557	3	3	100	48.7	48.7	2	20	30
245	TX01A7326	3	3	100	43.7	43.7	1	28	30
246	TX02V7615	3	3	100	57.7	57.7	3	9	30
247	TX03M1004	1	1	100	49.7	49.7	3	10	30
248	TX03M1008	1	1	100	34.7	34.7	3	9	30
249	TX03M1016	2	2	100	45.7	45.7	2	19	30
250	TAM-107	3	3				.	.	.
251	Karl 92	1	1				3	9	30
252	Arapahoe	3	3				.	.	.
253	local check 1	4	4				.	.	.
254	local check 2	1	1				.	.	.
255	local check 3	1	1				.	.	.
256	TX03M1066	2	1	100	69.4	69.4	.	.	.
257	TX03M1096	4	4	100	38.4	38.4	2	19	30
258	TX03M1097	4	4	100	90.4	90.4	3	10	30
259	TX03M1179	2	2	100	62.4	62.4	2	14	30
260	TX03M1196	4	4	100	55.4	55.4	1	21	30
261	TX03M1214	2	1	100	78.4	78.4	3	11	30
262	TX03M1305	4	4	100	73.4	73.4	3	10	30
263	TX02D5797	3	3	100	51.4	51.4	.	.	.
264	TX02D5813	4	4	100	84.4	84.4	.	.	.
265	TX02D6041	2	1	100	26.4	26.4	3	11	30
266	TX02D6222	3	3	100	78.4	78.4	3	9	30
267	TX99A0153-1	3	3	100	57.4	57.4	4	7	30
268	TX02V7438	3	3	100	60.4	60.4	2	17	30
269	TX02V7538	2	2	100	74.4	74.4	2	17	30
270	TX02V7806	3	4	100	56.4	56.4	3	9	30
271	TX02V7838	3	3	100	67.4	67.4	2	19	30