

Appendix 1. Overall listing of disease and insect reactions.

Hard Red Winter Wheat ^a												
Variety	Soilborne Mosaic	Spindle Streak Mosaic	Wheat Streak Mosaic	Barley Yellow Dwarf	Leaf Rust	Stem Rust	Stripe Rust	Septoria Tritici Blotch	Tan Spot	Powdery Mildew	Fusarium Head Blight	Hessian Fly ^b
1863	2	1	5	6	7	1	3	6	6	6	7	9 ^c
2137	1	5	6	5	7	6	8	5	5	4	8	5 ^c
AG Gallant				7	5	5	2	8	7			
AG Robust				7	3	5	2	6	8			
AP503 CL2 ^d	2	5	6	7	8	2	5	4	7	7	7	6
Armour	1	1	7	6	5	3	7	6	5	2	7	9
Art	1	1	7	8	3	2	6	5	6	5	6	3
Avery	1	1	6		7	8	8					
Bentley	1	1	6	5	5	2	5		6			
Billings	2	5	8	5	2	4	2	6	8	6	8	5
Brawl CL Plus ^d	2	2	7	7	5	7	7		7	3	8	9
Byrd	2	2	6	7	7	8	8		7	3	7	9
CJ	5	6	4	7	6	2	6	4	5	5	7	3
Denali	8	8	6	7	7	3	8		8	5	7	3 ^c
Doublestop CL Plus ^d	1	1	6	7	3	2	5	6	6	5	8	3 ^c
Duster	1	1	7	4	3	3	5	7	7	3	8	1
Endurance	2	8	7	5	5	7	5	5	7	5	6	9 ^c
Everest	1	1	7	4	3	3	8	5	7	3	4	5
Fuller	1	1	5	7	6	2	5	6	6	6	6	8
Gallagher	1	1	7	6	3	3	3	5	7	6	7	1
Garrison	1	1	6	6	6	4	8	3	4	3	6	6 ^c
Greer	1		4	7	7	2	3	5	4	5		9
Hatcher	7	8	8	8	7	3	5	5	5	3	6	7 ^c
Hot Rod	1	1		5	4	5	4	5	6	4	8	
Iba	1	1	8	5	3	2	5	7	7	2	8	4
Jackpot	1	1	8	7	8	4	4	6	5	6	8	6
Jagalene	2	3	6	7	9	2	5	4	7	9	8	6
Jagger	2	4	5	7	9	3	5	3	4	7	7	8
KanMark	1	1	6	6	2	3	6	6	6	7	8	9
Karl/Karl 92	1	3	9	8	8	6	5	5	3	4	6	
Larry	1	1	6	7	7	2	2	6	5	5	6	
LCS Chrome	1	1	7	7	2	2	2	4	4		7	
LCS Mint	1		6	7	7	4	5	5	5	6	8	7
LCS Pistol	1	1	7	7	6	8	7		7		8	7
LCS Wizard	2	1	8	6	7	9	8	5	5	6	7	1
Oakley CL ^d	7	7	2	6	4	2	2	5	6		5	8
Overland	8		7	4	5	5	3	6	6		5	
Overley	1	4	5	5	8	2	4	5	5	7	9	8
PostRock	2	5	6	7	7	3	6	8	5	8	7	8
Ruby Lee	1	1	7	6	6	5	8	7	5	3	8	5
SY Flint	1	1	9	6	6	3	2	7	7	7	8	1
SY Gold	1	1	6	6	2	2	5	4	5	5	7	4 ^c
SY Grit	1	1	7		4	2	5	5	4	6		
SY Monument	1	1	7	6	2	2	2	4	5	5	7	9
SY Southwind	2		7	6	5	2	2	4	6	5	7	4
SY Sunrise	1		7		4	1	4		5	8		9
SY Wolf	2		6	6	2	2	6	3	3	5	7	7
T153	1	1	8	7	7	4	2	6	7	2		4 ^c
T154	1	1	7	7	7	6	3	5	7	2	7	5 ^c
T158	2	2	5	6	8	8	2	7	7	3	8	4 ^c

Appendix 1. Overall listing of disease and insect reactions.

Hard Red Winter Wheat ^a												
Variety	Soilborne Mosaic	Spindle Streak Mosaic	Wheat Streak Mosaic	Barley Yellow Dwarf	Leaf Rust	Stem Rust	Stripe Rust	Septoria Tritici Blotch	Tan Spot	Powdery Mildew	Fusarium Head Blight	Hessian Fly ^b
TAM 111	8	8	7	7	8	3	8	6	6	6	7	8
TAM 112	8	8	5	7	8	3	8	5	6	1	8	9
TAM 113	8	8	7	7	3	2	4		7	4	7	9
TAM 114	8	8	7	6	4	7	2			5	7	9
TAM 304	4	2	7	7	2	3	6	5	7	3	8	9
TAM 305			6	6	2	3	4		7			
Tatanka	1	1	8	5	4	2	2	7	7	7	6	
WB4303	1	1	7	6	1	1	4	6	6	7	8	
WB4458	1	1	6	6	6	1	4	7	5	7	9	4
WB4721	8	8	8	7	2	2	2	6	6	7		
WB-Cedar	1	1	7	6	5	3	4	4	5	2	7	5
WB-Grainfield	1	1	7	7	3	2	4	6	6	6	7	8 ^c
WB-Redhawk	1	1	6	6	2	4	8	5	6	8	8	9
Winterhawk	1	1	6	5	7	8	6	7	6	5	7	8
Zenda	1	1	7	6	3	2	3	4	5	5	4	

Hard White Winter Wheat												
Variety	Soilborne Mosaic	Spindle Streak Mosaic	Wheat Streak Mosaic	Barley Yellow Dwarf	Leaf Rust	Stem Rust	Stripe Rust	Septoria Tritici Blotch	Tan Spot	Powdery Mildew	Fusarium Head Blight	Hessian Fly ^b
Antero	4	4	7	7	7	2	4		5		6	4 ^c
Aspen	1	1	7	6	6	3	3	4	5	2	6	6 ^c
Clara CL ^d	2	2	2	7	2	2	5		7		6	1
Danby	7		5	8	8	2	5	6	8	7	7	9
Joe	8	8	2	6	2	1	2		3	4	6	
Snowmass	6		2	7	6	2	7				6	9
Tiger	2	3	6	7	2	3	9	7	7	5	8	2

^a Rating codes are: 1 – Highly resistant; 3 – Moderately resistant; 5 – Intermediate; 7 – Moderately susceptible; 9 – Highly susceptible. Blanks indicate insufficient information.

^b Hessian fly ratings are based on results of greenhouse tests with Kansas (Great Plains) biotype of Hessian fly. Hessian fly populations are often a mixture of biotypes thus results can vary among years and locations.

^c Indicates resistance has been inconsistent in greenhouse testing.

^d CLEARFIELD® variety, which is resistant to Beyond herbicide.

Appendix 2. *Overall listing of agronomic characteristics.*

Hard Red Winter Wheat ^a				
Variety	Maturity	Height	Drought Tolerance	Straw Strength
1863	6	6	6	7
AG Gallant	5	5		2
AG Robust	4	4		2
AP503 CL2	5	5	5	3
Armour	2	3	7	3
Avery	7	7		
Bentley	4	8		6
Billings	3	5	8	6
Brawl CL Plus	4	7	5	3
Byrd	6	7	5	5
Denali	8	8	5	3
Doublestop CL Plus	7	8	7	4
Duster	5	5	5	7
Endurance	6	7	5	5
Everest	2	4	7	2
Fuller	3	6	6	5
Gallagher	5	5	6	4
Garrison	6	6	6	3
Greer	5	6	5	2
Hatcher	7	4	6	6
Hot Rod	3	4	7	2
Iba	5	6	6	4
Jackpot	2	5	5	3
Jagalene	5	5	5	3
Jagger	2	5	5	7
KanMark	4	3	5	1
Larry	6	6	6	3
LCS Chrome	8	7		3
LCS Mint	8	8	4	6
LCS Pistol	4	6	5	7
LCS Wizard	6	6	6	2
Oakley CL	8	7	6	6
Overley	2	7	6	3
PostRock	5	5	5	2

Hard Red Winter Wheat				
Variety	Maturity	Height	Drought Tolerance	Straw Strength
Ruby Lee	3	7	5	4
SY Flint	4	5	5	4
SY Grit	5	6		1
SY Monument	8	6	6	5
SY Southwind	4	4	7	3
SY Sunrise	8	5		2
SY Wolf	7	6	5	3
T154	3	5	6	4
T158	3	4	5	4
Tatanka	6	6	5	7
TAM 111	6	7	5	3
TAM 112	4	7	5	7
TAM 114	5	6	5	4
TAM 204	6	6		2
TAM 304	5	4	7	2
WB4303	6	4		1
WB4458	4	5	6	2
WB4721	4	7		2
WB-Cedar	2	2	7	1
WB-Grainfield	6	7	5	3
WB-Redhawk	3	6	6	2
Winterhawk	6	7	4	3
Zenda	4	6	7	2

Hard White Winter Wheat				
Variety	Maturity	Height	Drought Tolerance	Straw Strength
Antero	6	6	6	4
Aspen	2	2	7	1
Clara CL	7	7	6	6
Danby	7	7	5	6
Joe	7	8	5	5

^a Maturity: 1 = Early; 5 = Medium; 9 = Late

Height: 1 = Short; 5 = Medium; 9 = Tall

Drought tolerance: 1 = Excellent; 5 = Good; 9 = Poor

Straw strength: 1 = Excellent; 5 = Good; 9 = Poor

Blanks indicate insufficient information.

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