

2011 Hard Red Spring Wheat Variety Trial at Regent

Cooperators: August and Perry Kirschmann, Regent

Variety	Plant	Test	Grain	----- Grain Yield -----			Average Yield		
	Height	Weight	Protein	2009	2010	2011	2 yr	3 yr	
	inches	lbs/bu	%	----- Bushels per acre -----					
Conventional Varieties									
Faller	31	57.0	16.4	70.6	48.0	34.3	41.2	51.0	
Steele-ND	33	58.5	17.2	65.0	49.2	30.8	40.0	48.3	
Barlow	33	58.0	17.0	61.6	47.3	30.4	38.8	46.4	
Reeder	31	56.2	16.5	55.0	42.9	37.2	40.0	45.0	
Glenn	31	59.5	17.2	60.5	48.3	27.0	37.6	45.3	
Velva	33	55.2	16.6		49.3	34.9	42.1		
RB07	28	58.1	17.4		47.6	35.2	41.4		
Select	31	59.0	16.6			35.4			
Sabin	29	56.9	17.0			32.7			
Prosper	33	57.9	16.6			30.0			
Sawfly Tolerant Varieties									
Mott	32	58.6	16.5	58.1	51.5	33.8	42.6	47.8	
Vida	32	55.4	16.3	58.4	49.2	30.7	40.0	46.1	
Choteau	29	55.4	16.7	52.7	43.4	26.0	34.7	40.7	
AC Lillian	34	53.7	18.1	49.1	39.9	21.8	30.8	36.9	
SY Tyra	27	58.5	16.3			33.8			
WB Gunnison	30	56.8	16.1			31.7			
O'Neal	31	55.2	16.4			25.4			
Blends*									
Blend 1	32	58.1	17.0			31.7			
Blend 2	32	57.8	17.2			32.6			
Blend 3	31	55.0	16.4			24.0			
Blend 4	33	57.2	16.6			31.5			
Trial Mean	31	57.1	16.7	65.1	8.2	31.2	--	--	
C.V. %	4.3	1.3	1.3	4.9	6.0	5.4	--	--	
LSD 5%	2	1.0	0.3	4.4	4.0	2.4	--	--	
LSD 1%	3	1.3	0.4	5.8	4.8	3.1	--	--	

*1 = Choteau + Steele-ND, 2 = Mott + Steele-ND, 3 = Mott + O'Neal, 4 = Mott + Vida.

Planting Date: May 5

Harvest Date: August 23

Seeding Rate: 1.1 million live seeds / acre (approx. 1.6 bu/A).

Previous Crop: 2008, 2009 & 2010 = HRSW.

Note: The 2011 trial sustained heat stress and moderate infections of bacterial leaf streak and barley yellow dwarf causing lower test weights and grain yields.