

**2011 Hard Red Spring Wheat Variety Trial at Scranton**

Cooperator: Justin Freitag, Scranton

Variety	Plant	Test	Grain	----- Grain Yield -----			Average Yield		
	Height	Weight	Protein	2009	2010	2011	2 yr	3 yr	
	inches	lbs/bu	%	----- Bushels per acre -----					
<b>Conventional Varieties</b>									
Barlow	33	56.7	16.2	74.6	54.4	34.5	44.4	54.5	
Faller	31	54.8	16.3	62.0	59.9	28.0	44.0	50.0	
Reeder	31	54.8	16.1	52.4	64.3	29.2	46.8	48.6	
Steele-ND	33	56.5	16.6	58.2	55.6	30.1	42.8	48.0	
Glenn	31	60.8	16.8	47.1	60.5	27.8	44.2	45.1	
RB07	28	57.7	16.4		62.6	33.0	47.8		
Velva	32	54.9	16.1		58.7	31.5	45.1		
Sabin	29	58.3	16.6			35.5			
Prosper	33	55.0	16.2			28.9			
Select	31	58.2	15.4			29.9			
<b>Sawfly Tolerant Varieties</b>									
Mott	32	58.2	16.5	64.3	61.3	34.3	47.8	53.3	
Vida	31	55.0	15.5	54.9	66.4	28.8	47.6	50.0	
Choteau	29	55.1	16.1	53.0	66.8	21.2	44.0	47.0	
AC Lillian	33	53.0	17.6	47.3	61.5	22.3	41.9	43.7	
SY Tyra	27	55.1	15.5			29.4			
WB-Gunnison	30	55.5	15.5			22.6			
O'Neal	31	54.1	16.4			22.4			
<b>Blends*</b>									
Blend 1	32	56.6	16.7			28.3			
Blend 2	32	56.3	16.3			28.4			
Blend 3	28	54.3	16.2			24.5			
Blend 4	33	56.4	15.9			31.0			
Trial Mean	31	56.0	16.2	60.9	58.2	28.7	--	--	
C.V. %	4.5	1.5	1.3	11.2	5.2	5.2	--	--	
LSD 5%	2	1.2	0.3	9.8	4.4	2.1	--	--	
LSD 1%	3	1.5	0.4	13.3	5.9	2.8	--	--	

\*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.