

2011 Sawfly Variety Trial at Hettinger

Variety	Days to Head	Plant Height	Test Weight	Grain Protein	----- Grain Yield -----			Average Yield	
	**	inches	lbs/bu	%	2008	2010	2011	2 yr	3 yr
----- Bushels per acre -----									
Sawfly Tolerant Varieties									
Vida	62	29	55.6	15.6	35.7	60.6	21.5	41.0	39.3
Mott	65	31	58.1	17.0	26.9	62.2	22.9	42.6	37.3
Choteau	64	30	55.8	16.6	20.9	60.7	14.9	37.8	32.2
AC Lillian	66	32	55.9	17.8	25.4	50.7	18.2	34.4	31.4
SY Tyra	62	25	54.6	15.4			19.6		
O'Neal	64	28	53.6	16.3			16.4		
WB Gunnison	62	27	54.0	15.8			13.0		
AP04S0514-1-12	64	28	55.8	15.8			21.9		
Blends*									
Blend 1	63	31	54.7	16.6			22.1		
Blend 2	62	31	55.2	16.6			21.9		
Blend 3	66	28	53.8	16.2			16.7		
Blend 4	66	30	56.3	15.8			21.2		
Conventional Varieties									
Reeder	62	30	55.3	16.5	25.3	64.4	25.3	44.8	38.3
Steele-ND	61	32	54.4	16.6	24.2	65.0	22.4	43.7	37.2
Glenn	60	31	59.0	16.8	25.6	56.3	22.7	39.5	34.9
Durum Wheat									
Grenora	66	32	53.3	16.3	27.7	65.8	19.7	42.8	37.7
Mountrail	66	33	53.7	16.4	23.9	63.9	22.1	43.0	36.6
Alkabo	66	32	55.2	16.1	23.2	61.3	20.0	40.6	34.8
Divide	66	33	54.7	16.5	18.9	60.0	21.5	40.8	33.5
Trial Mean	64	30	55.2	16.3	24.7	59.6	20.2	--	--
C.V. %	1.6	3.8	1.4	0.8	10.7	4.1	9.0	--	--
LSD 5%	1	2	1.1	0.2	4.4	3.6	2.6	--	--
LSD 1%	2	2	1.5	0.2	5.9	4.6	3.4	--	--

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

** Days to Head = the number of days from planting to head emergence from the boot.

Planting Date: May 9

Harvest Date: August 23

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

Previous Crop: 2007 = durum, 2009 = canola, 2010 = HRSW.

Note: The 2011 trial sustained moderate infections of barley yellow dwarf and bacterial leaf streak causing low test weights and grain yields. There was a very low incidence of wheat stem sawfly. The 2008 trial sustained severe late season heat and moisture stress.