

Durum in the West River Region**Combined Means**

Variety	Days to Head	Plant Height	Seeds / Pound	Test Weight	Grain Protein	---- Grain Yield ----			Average Yield	
						2005	2006	2007	2 yr	3 yr
		inches	#	lbs/bu	%	----- Bushels per acre -----				
Grenora	66	32	13,928	58.6	15.4	52.3	39.4	39.3	39.4	43.7
Alkabo	66	33	12,744	59.2	15.1	51.7	37.9	40.1	39.0	43.2
Mountrail	68	34	14,062	57.9	15.7	49.0	37.9	39.7	38.8	42.2
Ben	66	35	13,344	58.7	15.5	48.6	37.4	39.2	38.3	41.7
Divide	68	35	13,837	57.8	15.7	48.2	38.2	37.5	37.8	41.3
# of Locations*	2	8	3	8	6	8	6	9	15	23

* Locations: 2007 = Hettinger, Dickinson, Scranton, Regent, Mandan, Hannover, Glen Ullin, Ralph & Bison, SD.

2006 = Hettinger, Dickinson, Scranton, Regent, Mandan & Ralph, SD.

2005 = Hettinger, Dickinson, Scranton, Regent, Mandan, Hannover, Glen Ullin & Ralph, SD.

2007 Durum Variety Trial - Continuously Cropped - No-till Regent

Cooperators: August and Perry Kirschmann, Regent

Variety	Plant	Test	Grain	---- Grain Yield ----			<u>Average Yield</u>		
	Height	Weight	Protein	2005	2006	2007	2 yr	3 yr	
	inches	lbs/bu	%	----- Bushels per acre -----					
Grenora	36	56.1	16.3	48.1	35.1	55.6	45.4	46.3	
Alkabo	38	57.1	16.8	52.8	29.8	52.2	41.0	44.9	
Mountrail	40	54.4	17.4	54.3	29.7	47.2	38.4	43.7	
Divide	40	55.0	17.0	49.4	31.1	46.7	38.9	42.4	
Ben	40	55.5	17.1	51.1	29.7	45.2	37.4	42.0	
Trial Mean	39	55.6	16.9	50.8	31.2	49.4	--	--	
C.V. %	2.5	2.4	1.9	7.1	5.3	4.7	--	--	
LSD .05	1	NS	0.5	NS	2.5	3.6	--	--	
LSD .01	2	NS	0.7	NS	3.5	5.0	--	--	

Planting Date: April 23, 2007

Harvest Date: August 7, 2007

Seeding Rate: 1.25 million live seeds / acre (approx. 2.2 bu/A).

Previous Crop: 2004 = Lentil, 2005 & 2006 = hrww.

NS = no statistical difference between varieties.

2007 Durum Variety Trial - Continuously Cropped - No-till Scranton

Cooperators: Neal and Justin Freitag, Scranton

Variety	Plant	Test	Grain	---- Grain Yield ----			<u>Average Yield</u>		
	Height	Weight	Protein	2005	2006	2007	2 yr	3 yr	
	inches	Lbs/bu	%	----- Bushels per acre -----					
Divide	30	58.2	14.3	53.0	52.1	28.4	40.2	44.5	
Alkabo	27	59.9	14.1	50.4	54.3	26.7	40.5	43.8	
Mountrail	28	58.3	14.9	54.6	55.2	21.0	38.1	43.6	
Ben	29	60.9	14.3	52.0	53.1	21.9	37.5	42.3	
Grenora	26	58.8	14.2	49.6	55.8	18.2	37.0	41.2	
Trial Mean	28	59.2	14.4	50.9	53.8	23.3	--	--	
C.V. %	4.1	1.4	1.8	7.2	3.9	9.1	--	--	
LSD .05	2	1.3	0.4	NS	NS	3.3	--	--	
LSD .01	3	1.8	0.6	NS	NS	4.6	--	--	

Planting Date: April 23, 2007

Harvest Date: August 7, 2007

Seeding Rate: 1.25 million live seeds / acre (approx. 2.2 bu/A).

Previous Crop: 2004 = Lentil, 2005 & 2006 = hrww

NS = no statistical difference between varieties.

2007 Durum Variety Trial – Continuously Cropped - No-till

Hettinger

Variety	Days to Head	Plant Height	Test Weight	Grain Protein	---- Grain Yield ----			Average Yield	
	*	inches	lbs/bu	%	2005	2006	2007	2 yr	3 yr
					----- Bushels per acre -----				
Grenora	68	38	61.9	17.1	47.8	35.3	36.9	36.1	40.0
Mountrail	69	36	58.7	17.3	45.8	34.5	38.4	36.4	39.6
Ben	67	40	59.0	16.1	43.0	34.9	40.1	37.5	39.3
Pierce	68	39	56.6	15.9	45.1	32.2	36.3	34.2	37.9
Alkabo	67	36	59.4	16.5	45.3	30.5	37.5	34.0	37.8
Divide	69	39	56.6	18.0	42.3	34.2	30.7	32.4	35.7
Dilse	68	38	59.0	19.4	37.0	30.9	37.7	34.3	35.2
Rugby	69	41	56.0	16.3	33.0	31.1	30.1	30.6	31.4
Alzada	65	32	57.2	16.1		35.6	40.7	38.2	
Maier	67	38	57.1	16.1	49.7		40.6		
AC Commander	68	31	59.1	15.8			43.3		
AC Navigator	68	33	57.0	16.3			37.1		
AC Napoleon	68	38	59.2	18.2			33.7		
Trial Mean	68	38	58.4	17.0	44.2	31.6	36.6	--	--
C.V. %	1.1	3.6	2.9	5.6	8.2	8.4	13.0	--	--
LSD .05	1	2	2.4	0.4	5.1	3.7	6.6	--	--
LSD .01	1	2	3.2	0.6	6.7	4.9	8.8	--	--

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

Planting Date: April 18, 2007

Harvest Date: July 26, 2007

Seeding Rate: 1.25 million live seeds / acre (approx. 2.2 bu/A).

Previous Crop: 2006 = HRSW, 2005 & 2004 = soybean.