

Agronomic performance of spring wheat genotypes grown at University of Wyoming, Powell Research and Extension Center, Powell, WY during 2009.

Variety Hard Red unless indicated	Plant height inches	Heading Date Days from Jan. 1	Lodging 1-9	Grain yield bu/acre	Test weight lb/bu
MN03169-2-062	33.1	181	3	131.3	60.6
Verde	33.9	183	1	129.8	60.3
Montrail durum	35.2	181	2	127.5	59.9
MO6/1-24	35.0	181	5	126.0	59.1
Divide durum	33.6	182	1	125.9	61.4
NDSW0612	33.1	185	1	125.4	59.7
NDSW0702	32.5	181	1	124.5	59.5
BZ903-504	31.1	182	1	124.3	61.1
Maier durum	33.5	181	1	124.2	60.9
Plaza durum	30.0	181	1	123.4	58.5
YU 805-11 durum	30.8	181	1	122.0	60.6
MO3/3-23	24.8	185	1	121.8	60.8
Havasu durum	26.1	181	1	121.7	59.4
Outlook	34.3	185	1	121.6	58.3
SD4011	30.8	180	1	120.8	61.1
SD4024	30.2	182	1	120.4	61.3
Alzada durum	28.9	181	1	120.2	59.9
BZ901-678-g	26.9	183	1	119.8	58.2
SD4112	32.2	181	1	119.6	59.7
Choteau	31.1	182	1	119.5	59.7
Express	29.9	182	1	119.1	60.6
NDSW0703	32.9	181	1	118.9	59.8
01S0377-6	28.3	180	1	118.7	61.0
NDSW0701	30.2	182	1	118.5	59.3
936	29.0	181	1	118.5	59.8
MO5/1-3	33.6	182	1	118.2	58.7
MN05141-2	29.3	181	1	116.6	62.5
YU 804-96 durum	29.4	181	1	116.5	62.3
YU 805-20 durum	27.0	181	1	116.4	60.1
McNeal	32.3	185	1	115.8	58.8
Keene	38.7	181	5	115.3	60.4
Reeder	32.4	182	1	115.1	59.9
2375	32.7	183	1	114.2	59.6
CA908-801	28.1	180	1	114.2	59.8
01S0263-28	30.4	180	1	112.8	61.7
CA905-781	33.1	180	1	111.4	59.9
02S0178-1	28.9	181	1	111.4	59.4
MO5/1-2	35.4	182	1	111.2	61.8
Hank	29.5	180	1	110.9	60.5
Pierce durum	35.7	181	1	110.5	60.9
MN05214-3	29.7	181	1	110.2	62.1
Granite	32.2	183	1	109.9	62.0
MN06018	31.6	181	1	109.3	60.5
MN06028	32.3	183	5	106.5	60.0
SD3997	33.5	180	1	106.1	61.1
01S0236-6	28.3	180	1	106.1	62.1
BZ901-658-j	27.6	180	1	103.5	60.0
MO6/1-23	32.7	181	1	103.3	61.6
CA907-827	27.0	180	1	103.3	60.6
SD4076	30.7	180	1	102.7	62.9

Marquis	38.7	183	6	95.7	57.6
Chris	40.7	183	7	91.7	56.1
Mean	31.6	181.5	1.5	116.1	60.1
LSD_{0.05}	3.5			15.4	2.4
CV%	6.9			8.2	2.5

*Durum seeded at 150 lbs/a unless indicated Contacts: Mike Killen, 307-754-2223.

UW-REC (POWELL): The experiment was located at the University of Wyoming Research and Extension Center in Powell, Wyoming during 2009. The soil was a Garland clay loam (fine, mixed, mesic; Typic Haplargid) and had a cropping history of: 2008, dry beans; 2007, small grains; and 2006, dry beans. The soil was fertilized for a yield goal of 100 bushels of grain per acre. Fertilizer was applied on 24 March, at the rate of 120 pounds N and 70 pounds P₂O₅ in the form of urea (46-0-0) and diammonium phosphate (11-52-0). The soil in the study area was prepared for planting by fall plowing, roller harrowing, and leveling. On 20 April, 55 wheat varieties were established in plots 7.3 by 20 feet using double disk openers set at a row spacing of 7 inches. The seeding depth was 1.5 inches, and the seeding rate was 100 pounds of seed per acre for all entries except durum types were seeded at a rate of 150 pounds of seed per acre. Weeds were controlled by a post application of a tank mixture of bromoxynil and MCPA (Bronate Advanced 1 pt) broadcast at 0.50, 0.50 pounds active ingredient per acre on 5 June. Furrow irrigations were 29 April, 15 June, 26 June, 10 July, 22 July and 4 August. Subplots, 5.3 by 8 feet, were harvested on 28 August, using a Wintersteiger plot combine.