

Table 1. Agronomic performance of spring wheat genotypes grown at University of Wyoming, Powell Research and Extension Center, Powell, WY during 2008.

Variety	Plant height	Heading Date	Lodging	Grain yield	Test weight
Hard Red unless indicated	inches	Days from Jan. 1	1-9	bu/acre	lb/bu
YU-804-96 durum	32.5	183	1	131.9	61.7
Hank	33.6	178	1	130.3	59.3
		185			
Express	34.0		1	129.7	61.6
Alzada durum	32.9	184	1	128.1	61.1
Choteau	35.6	184	1	127.5	62.4
936	32.5	177	1	127.5	61.2
01S0263-29	32.0	179	0	125.8	60.8
CA-905-780	35.2	184	0	125.1	63.7
01S0377-6	34.0	183	0	122.1	62.1
DA 905-89 White	32.2	181	1	121.7	62.7
DA 904-32 White	31.8	184	1	121.2	62.8
2375	37.9	183	0	120.7	61.4
BZ901-717	35.2	178	0	120.5	62.3
YU 805-20 durum	28.3	183	1	120.0	61.5
01S0263-28	32.9	182	0	119.7	61.5
MN05141-2	32.3	182	0	119.6	63.6
BZ 904-336 White	33.2	183	1	119.5	61.7
06MSP 18	36.4	185	4	119.2	62.9
Verde	41.6	184	0	118.1	61.2
Joaquin White	31.0	181	1	117.8	63.9
00S0292-14	31.2	184	0	117.6	62.1
SD3948	40.4	177	0	117.4	63.1
YU- 805-11 durum	32.9	183	1	117.4	61.4
Havasu durum	28.3	179	1	117.3	59.5
CA-907-834	34.1	182	0	116.9	62.7
CA-907-835	38.1	181	0	116.4	61.5
00S0211-29-4	34.1	178	0	116.2	61.6
WA007954	36.2	182	0	115.9	61.7
SD4024	35.8	184	0	115.6	61.7
CA-907-824	32.9	185	0	114.4	62.4
SD4073	35.3	179	0	114.3	58.9
Reeder	40.0	184	1	113.9	61.6
BW396	39.6	181	0	113.3	61.3
SD4036	32.4	178	0	112.5	60.5
MN03196	35.6	184	0	112.2	62.9
ND05/1-3	36.4	182	0	111.3	61.0
ES101	39.4	183	0	111.2	62.0
MT 0713	38.8	183	2	110.3	63.5
Divide durum	44.5	185	5	110.1	62.8
McNeal	38.2	185	1	109.5	60.8
Granite	36.5	185	1	108.7	64.2
Plaza durum	34.4	186	1	108.1	61.1
Outlook	39.0	185	1	106.8	60.0
Montrail durum	41.7	185	4	106.7	62.1
MN03308-4	39.0	183	0	106.4	64.2
MT 0415	40.7	183	2	106.4	61.9
Maier durum	40.8	186	5	105.9	63.8
BW897	36.1	179	0	104.1	62.5
NDSW0601	36.2	184	0	102.1	60.6
ND04/3-21	36.6	178	0	102.0	63.6
NDSW0449	40.8	182	0	101.4	62.4
MN03169-2-062	38.3	184	2	100.1	61.7
ND04/3-20	42.1	181	0	99.3	60.8
ND05/1-1	38.7	178	0	99.3	62.1
Pierce durum	41.7	185	6	97.4	62.9
BW415	41.3	178	2	96.8	62.6
SD4027	40.8	177	0	95.0	62.0
NDSW0501	43.2	180	0	92.9	60.6
ND05/1-2	42.8	178	0	92.3	61.6
Keene	45.4	182	0	88.7	62.9

BW365	43.4	182	3	78.0	61.8
BW430	44.2	181	3	71.8	62.8
Marquis	48.9	184	4	62.4	61.7
Chris	45.7	184	7	49.1	60.4
Mean	37.2	182	1.0	109.9	61.9
LSD_{0.05}	3.0			13.5	1.5
CV%	5.0			7.6	1.5

*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 2008. The soil was a Garland clay loam (fine, mixed, mesic; Typic Haplargid) and had a cropping history of: 2007, dry beans; 2006, small grains; and 2005, dry beans. The soil was fertilized for a yield goal of 100 bushels of grain per acre. Fertilizer was applied on 19 March, at the rate of 180 pounds N and 75 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 07 April, 64 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) and pinoxaden (Axial XL 16.4 oz) broadcast at 0.50, 0.50, and 0.05 pounds active ingredient per acre on 4 June. Furrow irrigations were 28 April, 15 June, 27 June, 10 July, and 25 July. Subplots, 5.3 by 8 feet, were harvested on 21 August, using a Wintersteiger plot combine.