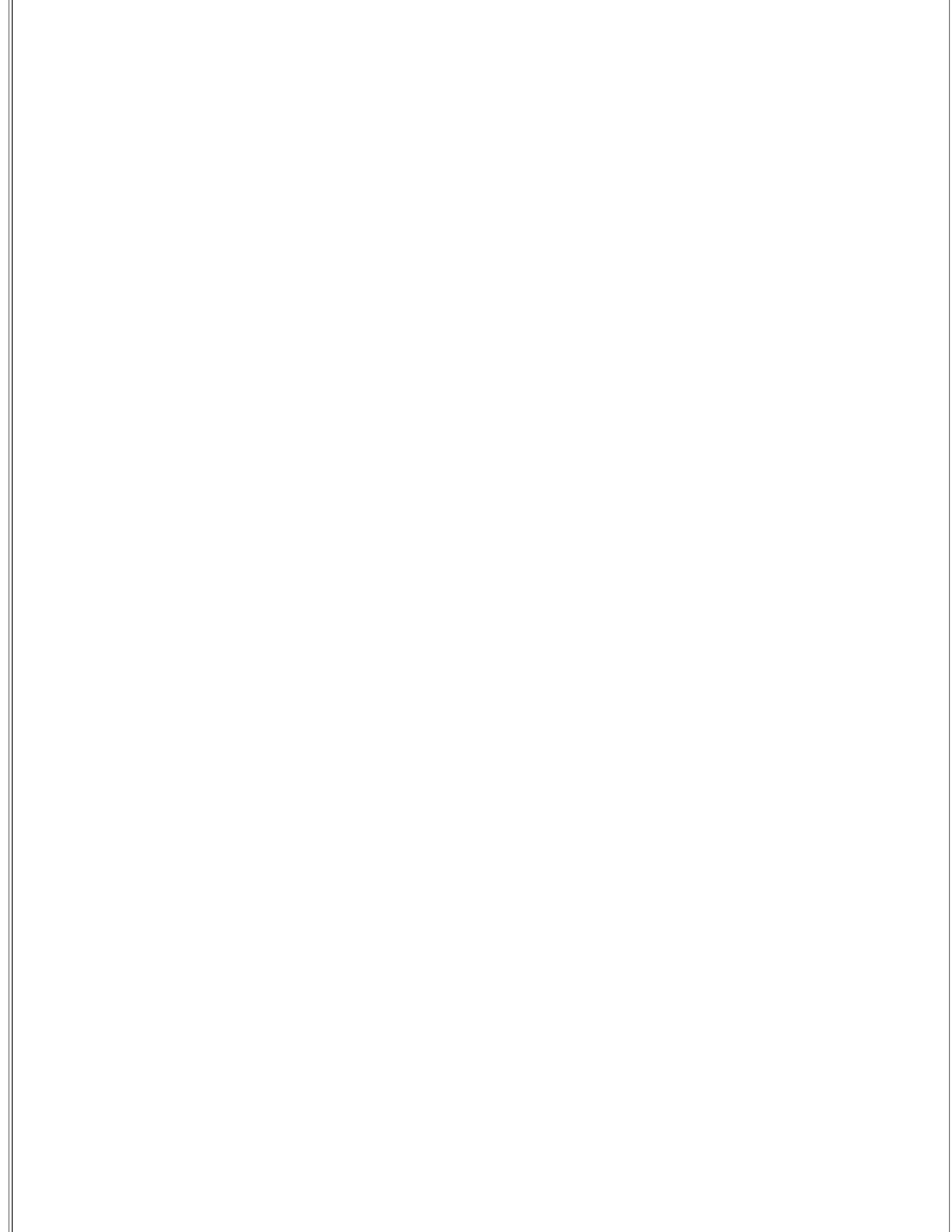


Table 1. Agronomic performance of spring wheat genotypes grown at University of Wyoming, Powell Research and Extension Center, Powell, WY during 2007.

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
BZ903-513W hard white	37.3	169	1	119.90	58.99
Divide durum	40.6	175	3	119.81	60.22
Maier durum	41.4	175	1.7	118.12	60.03
Express	33.1	175	1	117.18	57.67
Alzada durum 100 lbs/a	34.0	170	1	115.21	59.13
Alzada durum	34.4	171	1	113.71	59.7
YU 805-11 durum	33.1	171	2.7	113.63	60.90
Hank	35.0	169	1	113.62	58.65
YU 804-96 durum	32.5	170	1	113.62	57.92
Havasu durum	31.6	170	1	113.61	57.03
Mountrail durum	39.4	175	3	113.54	59.31
00S0211-29-4	35.4	170	1	112.49	59.40
Choteau	35.4	174	1	111.82	58.36
MN03358-4	36.9	173	1	109.59	60.71
YU 805-20	31.2	170	1	108.52	58.84
MT 0516	39.6	171	1	108.37	60.04
936	33.6	169	1	107.90	58.13
MT 0415	39.6	171	1	107.81	59.95
06MSP 18	36.6	177	1	105.94	59.35
Outlook	38.7	166	1	105.83	57.94
SD3943	36.4	166	1	105.43	58.62
00S0292-14	30.6	173	1	105.37	59.25
Plaza durum	34.0	175	1	104.88	58.70
MN03196	36.2	173	1	104.31	57.92
SD3942	35.4	165	1	104.03	58.28
06MSP 3	34.8	169	1	103.81	59.35
01S0042-10	33.1	167	1	103.73	60.49
ND05/1-3	37.7	175	1	102.19	57.69
McNeal	38.3	175	1	101.18	59.00
00S0291-3	36.4	175	1	101.15	59.87
MN03119-4	36.9	170	1	101.10	60.71
MN02255	36.2	170	1	98.98	59.33
CA905-750	38.1	175	1	98.94	59.37
Pierce durum	40.0	175	1.7	97.76	60.93
WA008013	40.4	173	1	97.64	59.19
CA905-749	34.1	175	1	97.56	58.96
SD3944	35.4	169	1	97.21	57.45
Granite	36.2	175	1	97.07	61.26
Reeder	38.7	175	1	96.62	58.85
Verde	37.9	173	1	96.02	59.27
SD3956	37.9	167	1	95.29	60.78
NDSW0430	36.4	173	1	93.78	59.60
NDSW0601	34.9	175	1	93.22	57.15
Keene	45.8	172	1	93.10	59.92
2375	38.3	175	1	91.34	57.58
ND05/1-2	42.8	170	1	91.27	59.46
NDSW0481	38.2	173	1	91.01	59.34
ND04/3-21	37.1	169	2	90.89	59.57
MN03308-4	36.4	173	1	90.18	59.92
CA905-776	35.2	177	1	89.62	57.46
ND05/1-1	36.9	169	1	89.52	60.68
ND04/3-20	39.6	170	1	87.88	58.07
BW873	41.3	170	1	85.15	58.95
NDSW0449	40.8	173	1	84.73	59.83
SD3948	35.3	167	1	84.55	60.89
BW357	42.0	173	1	80.21	59.64
BW362	41.5	173	1	79.19	57.60
ES95	40.7	175	1	78.76	58.21
Chris	44.6	173	4	64.26	56.93
Marquis	45.7	175	1.7	49.05	56.30
Mean	37.3	172	1.2	99.47	59.08
LSD_{0.05}	2.8		1.1	15.77	2.03
CV%	4.7		54.7	9.8	2.1

*Durum seeded at 150 lbs/a unless indicated

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JW-REC (POWELL): The experiment was located at the University of Wyoming Research and Extension Center in Powell, Wyoming during 2007. The soil was a Garland clay loam (fine, mixed, mesic; Typic Haplargid) and had a cropping history of: 2006, dry beans; 2005, small grains; and 2004, 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 150 pounds N and 65 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 16 April, 60 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) and tralkoxydim (Achieve) broadcast at 0.50, 0.50, and 0.18 pounds active ingredient per acre on 16 May. Furrow irrigations were 20 May, 05 June, 21 June, 03 July, and 15 July. Subplots, 5.3 by 8 feet, were harvested on 08 August, using a Wintersteiger plot combine.