

PROJECT TITLE:

Statewide Barley Performance

YEAR: 1996

LOCATIONS:

- Bozeman - irrigated and dryland
- Conrad - irrigated and dryland
- Havre - dryland
- Huntley - dryland
- Kalispell - irrigated
- Moccasin - dryland
- Sidney - irrigated and dryland

PERSONNEL:

- Bozeman: Tom Blake (Project Leader) & Pat Hensleigh
- Conrad: Greg Kushnak
- Havre: Gregg Carlson
- Huntley: Gil Stallknecht
- Kalispell: Bob Stougaard
- Moccasin: Dave Wichman
- Sidney: Joyce Eckhoff

RESULTS:

The statewide (Intrastate) Barley Variety Nursery was grown at the seven locations listed above, with some locations having both irrigated and dryland nurseries. The irrigated data from Conrad is not included, as the nursery was damaged by herbicide.

Yield data are summarized for each location in Tables 1 and 3 for dryland and irrigated, respectively. Data for other traits are presented in Tables 2 and 4. Good soil moisture carryover and early season rainfall contributed to fairly good dryland yields at most locations, in spite of drought conditions later in the season.

A number of experimental lines yielded above the nursery average for both irrigated and dryland. Varieties with above average dryland yield statewide included Stark, Lewis, Chinook, Baronesse, Steptoe, Logan and Morex. Chinook was agronomically superior to Harrington with similar malt quality. Above average yielders on irrigated included BA1202, Baronesse, Gallatin, Harrington, Galena, Stander, Alexis, Steptoe and Stark.

Table 1.

**1996 SPRING BARLEY DRYLAND INTRASTATE STATEWIDE SUMMARY
YIELD (bu/ac)**

ID	Pedigree	Havre	Sidney	Moccasin	Huntley	Conrad	Bozeman	Mean	BYX	RSQ
11231-11	Logan (ND11231-11)	58.0	67.8	45.5	58.8	104.0	99.8	72.3	0.95	0.99
2B894311	BA 2B89-4311	54.8	66.1	34.3	56.7	99.8	95.5	67.9	1.00	0.99
2B914947	BA 2B91-4947	49.5	61.1	27.9	55.5	95.5	100.2	65.0	1.09	0.97
BA 1202	Busch Agr 1202	52.9	67.9	37.8	54.2	101.5	89.4	67.3	0.95	0.98
BSWS 1	BSWS 1	55.9	66.7	40.9	57.0	99.5	97.1	69.5	0.94	0.99
BSWS 2	BSWS 2	58.6	67.6	30.6	59.2	103.0	96.0	68.2	1.07	0.98
CI 15229	Steptoe	61.4	64.4	40.2	51.7	114.0	105.3	72.8	1.17	0.98
CI 15514	Hector	52.0	61.9	44.6	61.8	95.9	100.1	69.4	0.90	0.96
CI 15773	Morex	54.8	73.3	44.0	53.0	85.4	91.3	67.0	0.72	0.89
CI 15856	Lewis	57.3	61.2	44.8	68.8	107.1	102.7	73.6	0.99	0.96
H1851195	MT41918/TR450	61.7	66.7	40.6	63.7	109.0	102.4	74.0	1.04	0.99
H3860224	Lewis/Apex	53.5	69.6	37.2	56.3	99.9	92.3	68.1	0.95	0.98
H5870120	Lindy/Martin	64.6	69.0	43.3	46.5	109.3	97.7	71.7	1.03	0.94
MT886610	MT 81143/Lewis	58.3	62.8	39.2	62.9	107.9	103.6	72.4	1.08	0.99
MT890008	Fleet/Bowman	60.9	64.0	37.2	48.7	112.8	102.1	71.0	1.18	0.98
MT890018	Gallatin/Apex	60.3	64.7	41.3	55.2	108.0	97.0	71.1	1.02	0.99
MT910033	Bowman/MT 81619	57.5	75.0	43.9	63.4	109.2	104.7	75.6	1.04	0.99
MT910150	MT 81143/MT 83444	57.9	62.7	43.2	63.1	109.2	96.6	72.1	0.99	0.98
MT910160	MT 81619/Bowman	56.3	66.4	40.8	52.7	108.9	96.8	70.3	1.06	0.99
MT910189	ND 7293/Bearpaw	62.0	65.8	43.8	66.9	101.7	98.0	73.0	0.88	0.98
MT920041	MT 81143/MT 81161	57.0	67.7	43.0	60.7	112.3	96.5	72.9	1.03	0.98
MT920053	MT 81143/MT140523	59.1	65.2	45.5	65.7	112.4	107.0	75.8	1.08	0.99
MT920059	MT 81143/VD403582	57.1	63.9	38.7	64.6	102.9	96.9	70.7	0.97	0.99
MT920073	MT 81161/MT 83518	63.6	69.1	41.4	65.5	114.6	97.2	75.2	1.03	0.98
MT920161	MT 83424/MT 81161	55.9	69.8	40.6	60.9	100.4	103.0	71.8	0.98	0.98
MT920201	MT 83435/MT 81161	57.7	67.8	40.0	59.3	105.6	100.4	71.8	1.03	1.00
MT930013	Berolina/Gallatin	61.6	64.9	43.1	58.6	109.3	100.3	73.0	1.03	1.00
MT930059	Bowman/MT851031	56.0	65.4	42.6	54.2	106.8	93.2	69.7	0.98	0.98
MT930132	MT 81143/Bowman	61.7	64.8	47.9	60.2	103.0	100.8	73.0	0.91	0.99
MT930169	MT851012/Bowman	54.9	73.3	42.2	59.6	103.2	101.9	72.5	0.99	0.97
MT930203	MT851195/Bowman	59.9	62.0	44.9	52.6	105.6	96.0	70.2	0.97	0.98
MT930204	MT851195/Bowman	61.9	67.7	48.8	55.9	112.1	107.4	75.6	1.07	0.98
MT940013	Harrington/MT851177	50.0	64.7	42.4	65.2	108.3	95.8	71.1	1.01	0.97
MT940048	MT 81143/Blenheim	57.9	63.3	39.6	56.8	97.7	97.0	68.7	0.93	0.99
MT940049	MT 81143/Blenheim	56.5	60.2	39.2	58.8	106.8	91.3	68.8	0.99	0.99
MT940053	MT 81143/Blenheim	56.3	61.8	38.4	60.4	110.3	92.5	69.9	1.04	0.98
MT940064	MT 81143/Blenheim	57.5	73.7	40.4	56.5	101.8	95.3	70.9	0.94	0.97
MT940067	MT 81143/Blenheim	52.5	62.5	37.8	49.3	103.0	96.8	67.0	1.06	0.99
MT940071	MT 81143/Blenheim	61.0	63.1	41.8	51.7	101.7	97.3	69.4	0.96	0.97
MT940079	MT 81143/Blenheim	53.6	60.8	41.0	56.3	104.3	94.1	68.4	0.99	0.99
MT940082	MT 81143/Blenheim	59.5	61.2	41.2	59.6	99.6	101.0	70.3	0.96	0.98

Table 1 cont.

**1996 SPRING BARLEY DRYLAND INTRASTATE STATEWIDE SUMMARY
YIELD (bu/ac)**

ID	Pedigree	Havre	Sidney	Moccasin	Huntley	Conrad	Bozeman	Mean	BYX	RSQ
MT940087	MT 81143/Blenheim	59.8	63.5	42.8	55.7	103.8	91.3	69.5	0.91	0.98
MT940099	MT 81143/Camilot	59.4	62.6	38.9	56.5	99.2	95.0	68.6	0.93	0.99
MT940106	MT 81143/Gimpel	52.3	61.6	44.2	61.3	104.3	95.6	69.9	0.96	0.99
MT940121	MT 81143/Gimpel	60.0	66.8	42.8	56.1	108.7	98.0	72.1	1.02	1.00
MT940163	MT851088/Blenheim	53.3	63.0	35.4	52.4	104.0	97.7	67.7	1.08	1.00
MT940169	MT851177/MT860326	50.7	63.3	36.6	59.2	104.7	97.3	68.5	1.06	0.99
MT940177	MT860326/Clivia	59.6	62.0	42.1	63.4	110.7	107.1	74.2	1.10	0.98
MT940196	MT860326/Clivia	56.8	62.8	39.1	61.8	109.4	103.8	72.3	1.11	1.00
MT940201	MT860326/MT81143	59.5	64.0	41.5	65.7	102.5	95.1	71.4	0.91	0.99
MT940203	MT860326/MT81143	61.2	62.5	39.5	63.3	102.0	99.7	71.4	0.96	0.98
MT940205	MT860326/MT81143	54.3	62.9	40.7	66.8	102.8	99.9	71.2	0.98	0.98
MT940206	MT860326/MT81143	52.9	63.9	37.7	67.7	106.2	96.8	70.8	1.02	0.97
MT940214	MT860756/Lewis	60.6	70.5	47.0	63.6	111.3	102.8	76.0	1.01	1.00
MT940218	MT860756/Lewis	58.6	63.8	41.0	66.6	102.0	93.2	70.9	0.89	0.98
MT940220	MT860756/MT81143	55.7	65.9	37.3	60.8	100.9	100.6	70.2	1.01	0.99
ND 9866	Stark	59.6	65.6	45.6	63.7	115.5	96.2	74.4	1.02	0.97
ND 11055	Foster	56.0	61.7	40.6	52.4	98.2	82.5	65.2	0.83	0.97
PI491534	Galfatin	59.6	62.5	38.3	57.4	106.0	93.0	69.4	0.99	0.99
PI564743	Stander	52.0	60.9	34.1	51.8	92.8	86.2	63.0	0.89	1.00
PI568246	Baronesse	52.0	70.6	42.2	64.0	110.2	104.6	74.0	1.09	0.98
PI591823	Chinook	59.3	68.2	41.9	69.1	107.0	107.1	75.4	1.04	0.98
SK 76333	Harrington	52.5	68.8	32.7	60.6	99.0	102.5	69.4	1.06	0.97
SL93516	WPB SL93516	50.4	62.5	22.4	34.2	99.4	87.4	59.4	1.15	0.94
SITMEAN	SITE MEAN *****	57.1	65.3	40.4	58.7	104.8	97.9	70.7	1.00	1.00

Table 2.

1996 SPRING BARLEY DRYLAND INTRASTATE STATEWIDE OVERALL SUMMARY

ID	Pedigree	Yield bu/ac	Test Wt lb/bu	Plump Percent	Heading Date	Plant Ht inches
11231-11	Logan (ND11231-11)	72.3	50.8	74.0	180.9	25.0
2B894311	BA 2B89-4311	67.9	48.8	60.2	185.2	24.6
2B914947	BA 2B91-4947	65.0	47.2	45.8	187.6	24.6
BA 1202	Busch Agr 1202	67.3	47.5	50.7	185.1	24.7
BSWS 1	BSWS 1	69.5	49.3	64.2	186.4	22.2
BSWS 2	BSWS 2	68.2	51.0	71.3	184.5	24.5
CI 15229	Steptoe	72.8	45.1	62.6	178.2	23.9
CI 15514	Hector	69.4	50.0	51.8	184.4	27.0
CI 15773	Morex	67.0	48.7	60.0	179.1	29.7
CI 15856	Lewis	73.6	51.0	58.3	184.2	26.1
H1851195	MT41918/TR450	74.0	49.6	62.4	182.6	26.1
H3860224	Lewis/Apex	68.1	48.9	58.4	186.1	25.5
H5870120	Lindy/Martin	71.7	46.3	64.7	178.2	24.6
MT886610	MT 81143/Lewis	72.4	49.5	56.0	184.3	26.0
MT890008	Fleet/Bowman	71.0	48.2	47.4	187.7	23.3
MT890018	Gallatin/Apex	71.1	50.1	59.0	183.9	23.4
MT910033	Bowman/MT 81619	75.6	51.7	68.2	182.1	25.2
MT910150	MT 81143/MT 83444	72.1	52.0	66.6	183.5	25.5
MT910160	MT 81619/Bowman	70.3	51.7	68.2	184.8	25.5
MT910189	ND 7293/Bearpaw	73.0	51.5	72.0	181.9	24.6
MT920041	MT 81143/MT 81161	72.9	50.6	65.2	183.7	25.3
MT920053	MT 81143/MT140523	75.8	50.2	61.4	183.7	26.1
MT920059	MT 81143/VD403582	70.7	51.1	64.3	185.1	26.0
MT920073	MT 81161/MT 83518	75.2	50.8	67.3	182.7	24.1
MT920161	MT 83424/MT 81161	71.8	50.7	62.4	184.2	24.9
MT920201	MT 83435/MT 81161	71.8	50.0	57.0	185.1	25.4
MT930013	Berolina/Gallatin	73.0	51.5	67.9	181.0	26.9
MT930059	Bowman/MT851031	69.7	51.5	73.6	183.0	26.1
MT930132	MT 81143/Bowman	73.0	51.1	79.7	182.3	25.3
MT930169	MT851012/Bowman	72.5	48.2	50.9	186.7	25.9
MT930203	MT851195/Bowman	70.2	49.5	60.7	183.1	26.4
MT930204	MT851195/Bowman	75.6	49.6	62.5	181.4	26.3
MT940013	Harrington/MT851177	71.1	49.3	58.5	183.6	24.8
MT940048	MT 81143/Blenheim	68.7	52.2	41.1	186.0	23.3
MT940049	MT 81143/Blenheim	68.8	51.1	37.3	185.6	23.5
MT940053	MT 81143/Blenheim	69.9	51.6	45.7	186.1	23.8
MT940064	MT 81143/Blenheim	70.9	51.6	56.7	184.1	25.0
MT940067	MT 81143/Blenheim	67.0	51.7	61.9	184.9	26.6
MT940071	MT 81143/Blenheim	69.4	50.9	57.7	184.1	24.1
MT940079	MT 81143/Blenheim	68.4	51.6	68.5	184.7	25.6
MT940082	MT 81143/Blenheim	70.3	51.1	55.4	184.9	23.9

Table 2 cont.

1996 SPRING BARLEY DRYLAND INTRASTATE STATEWIDE OVERALL SUMMARY

ID	Pedigree	Yield bu/ac	Test Wt lb/bu	Plump Percent	Heading Date	Plant Ht inches
MT940087	MT 81143/Blenheim	69.5	50.7	59.6	185.6	25.8
MT940099	MT 81143/Camilot	68.6	51.4	48.7	185.9	23.0
MT940106	MT 81143/Gimpel	69.9	49.5	55.9	184.2	22.5
MT940121	MT 81143/Gimpel	72.1	50.4	66.4	186.2	24.9
MT940163	MT851088/Blenheim	67.7	50.8	51.5	183.9	24.9
MT940169	MT851177/MT860326	68.6	48.4	39.5	187.6	23.2
MT940177	MT860326/Clivia	74.2	49.6	60.9	185.2	24.7
MT940196	MT860326/Clivia	72.3	49.6	61.0	185.7	24.9
MT940201	MT860326/MT81143	71.4	52.2	53.1	183.5	24.9
MT940203	MT860326/MT81143	71.4	50.8	60.0	182.9	26.0
MT940205	MT860326/MT81143	71.2	51.5	51.2	184.2	24.7
MT940206	MT860326/MT81143	70.8	51.9	59.0	183.6	25.1
MT940214	MT860756/Lewis	76.0	49.5	63.3	182.7	24.0
MT940218	MT860756/Lewis	70.9	49.7	71.1	180.6	23.7
MT940220	MT860756/MT81143	70.2	51.4	58.2	182.4	23.7
ND 9866	Stark	74.4	51.6	72.3	180.9	27.8
ND 11055	Foster	65.2	47.3	61.3	178.8	26.0
PI491534	Gallatin	69.4	49.8	53.4	181.6	26.5
PI564743	Stander	63.0	48.0	57.2	180.8	24.7
PI568246	Baronesse	74.0	49.6	55.7	185.5	22.5
PI591823	Chinook	75.4	50.0	54.0	183.8	25.4
SK 76333	Harrington	69.4	49.1	57.1	184.3	24.9
SL93516	WPB SL93516	59.4	48.1	54.7	188.3	23.1
SITMEAN	SITE MEAN *****	70.7	50.1	59.4	183.8	25.0

Table 3.

**1996 SPRING BARLEY IRRIGATED INTRASTATE SUMMARY
YIELD (bu/ac)**

ID	Pedigree	Bozeman	Sidney	Kalispell	Mean	BYX	RSQ
11231-11	Logan	149.2	120.4	89.1	119.6	0.96	1.00
2B894311	BA 2B89-4311	149.9	124.9	95.3	123.4	0.87	0.99
2B914541	2B91-4541	159.6	126.1	94.3	126.7	1.04	1.00
2B914947	BA 2B91-4947	151.7	136.6	94.3	127.6	0.91	0.91
BA 1202	Busch Apr 1202	151.5	124.2	92.0	122.6	0.95	0.99
BSWS 1	BSWS 1	153.8	122.8	93.1	123.2	0.97	1.00
BSWS 2	BSWS 2	146.9	128.0	86.0	120.3	0.96	0.93
C93 1	Galena	164.6	121.6	99.0	128.4	1.06	0.99
C93 2	IdaGold	149.1	124.4	84.0	119.2	1.03	0.96
CI 15229	Stephoe	166.7	126.5	97.9	130.4	1.10	0.99
CI 15773	Morex	126.2	101.7	70.5	99.5	0.89	0.99
CI 15856	Lewis	151.0	105.9	87.5	114.8	1.03	0.97
DA592-47	WPB DA592-47	165.3	118.7	92.2	125.4	1.18	0.99
H1851195	MT41918/TR450	154.6	100.2	93.1	116.0	1.00	0.87
H3860224	Lewis/Apex	149.8	132.4	85.0	122.4	1.02	0.90
H5870120	Lindy/Martin	175.1	125.9	93.7	131.6	1.31	1.00
MOR 14	Moravian 14	151.3	115.7	79.9	115.6	1.14	1.00
MT886610	MT 81143/Lewis	149.8	117.8	95.1	120.9	0.88	1.00
MT890008	Fleet/Bowman	169.5	127.6	98.6	131.9	1.14	1.00
MT890018	Gallatin/Apex	152.1	123.0	90.8	122.0	0.98	1.00
MT910033	Bowman/MT 81619	148.4	122.2	95.1	121.9	0.85	1.00
MT910150	MT 81143/MT 83444	151.8	110.6	89.9	117.5	1.00	0.98
MT910189	ND 7293/Bearpaw	147.0	108.3	88.9	114.7	0.94	0.98
MT920041	MT 81143/MT 81161	153.9	106.3	88.3	116.2	1.06	0.96
MT920053	MT 81143/MT140523	155.3	101.8	89.0	115.3	1.08	0.92
MT920059	MT 81143/VD403582	158.5	110.5	97.9	122.3	0.98	0.92
MT920073	MT 81161/MT 83518	156.9	119.5	84.2	120.2	1.16	1.00
MT920161	MT 83424/MT 81161	152.8	120.2	85.5	119.5	1.07	0.99
MT920201	MT 83435/MT 81161	156.7	122.2	93.0	124.0	1.02	1.00
MT930059	Bowman/MT851031	148.6	122.8	79.4	116.9	1.10	0.96
MT930132	MT 81143/Bowman	162.5	107.6	91.8	120.6	1.15	0.94
MT930169	MT851012/Bowman	140.5	110.5	95.4	115.5	0.73	0.98
MT930203	MT851195/Bowman	148.1	117.6	92.4	119.4	0.89	1.00
MT930204	MT851195/Bowman	149.0	102.1	99.6	116.9	0.81	0.83
MT940013	Harrington/MT851177	147.2	114.9	89.1	117.1	0.93	1.00
MT940048	MT 81143/Blenheim	155.1	125.5	86.4	122.3	1.09	0.98
MT940049	MT 81143/Blenheim	158.3	127.9	85.0	123.7	1.17	0.98
MT940053	MT 81143/Blenheim	155.0	125.9	91.2	124.0	1.02	0.99
MT940067	MT 81143/Blenheim	152.2	109.6	93.4	118.4	0.95	0.96
MT940071	MT 81143/Blenheim	152.4	113.5	90.2	118.7	1.00	0.99
MT940079	MT 81143/Blenheim	143.4	119.2	95.8	119.4	0.76	1.00

Table 3 cont.

1996 SPRING BARLEY IRRIGATED INTRASTATE SUMMARY
YIELD (bu/ac)

ID	Pedigree	Bozeman	Sidney	Kalispell	Mean	BYX	RSQ
MT940082	MT 81143/Blenheim	155.2	122.9	79.8	119.3	1.20	0.98
MT940087	MT 81143/Blenheim	151.0	124.5	87.2	120.9	1.01	0.97
MT940099	MT 81143/Camilot	158.2	130.7	78.2	122.4	1.27	0.95
MT940106	MT 81143/Gimpel	162.1	114.6	82.5	119.7	1.28	1.00
MT940121	MT 81143/Gimpel	140.2	127.8	90.8	119.6	0.78	0.90
MT940163	MT851088/Blenheim	151.8	108.8	86.0	115.5	1.06	0.98
MT940169	MT851177/MT860326	137.3	101.5	85.8	108.2	0.83	0.97
MT940177	MT860326/Clivia	147.6	118.0	98.4	121.4	0.79	1.00
MT940196	MT860326/Clivia	151.4	122.9	80.0	118.1	1.13	0.97
MT940201	MT860326/MT81143	147.2	103.0	71.3	107.2	1.22	1.00
MT940203	MT860326/MT81143	143.9	98.9	90.9	111.2	0.86	0.89
MT940206	MT860326/MT81143	146.0	104.4	83.9	111.5	1.00	0.98
MT940214	MT860756/Lewis	150.5	115.7	91.0	119.1	0.95	0.99
MT940218	MT860756/Lewis	152.0	124.3	88.5	121.6	1.01	0.98
ND 9866	Stark	154.9	121.3	87.4	121.2	1.08	1.00
ND 11055	Foster	143.2	129.3	85.0	119.2	0.92	0.89
PI491534	Gallatin	151.5	127.1	86.3	121.6	1.03	0.96
PI564487	Alexis	147.0	122.2	92.6	120.6	0.87	0.99
PI564743	Stander	149.1	124.2	93.0	122.1	0.89	0.98
PI568246	Baronesse	155.8	138.8	103.1	132.6	0.83	0.94
PI591823	Chinook	146.8	103.9	99.1	116.6	0.78	0.86
SK 76333	Harrington	155.6	120.2	92.1	122.7	1.02	1.00
SL93516	WPB SL93516	158.1	126.7	95.5	126.8	1.00	1.00
SITMEAN	SITE MEAN *****	152.2	118.4	89.7	120.1	1.00	1.00

Table 4.

1996 SPRING BARLEY IRRIGATED INTRASTATE SUMMARY OVERALL SUMMARY

ID	Pedigree	YIELD bu/ac	TEST WT	PLUMP PERCENT	HEADING DATE	PLANT HT
11231-11	Logan	119.6	52.2	91.3	179.5	29.3
2B894311	BA 2B89-4311	123.4	51.8	89.8	183.4	28.8
2B914541	2B91-4541	126.7	51.2	90.9	183.0	30.0
2B914947	BA 2B91-4947	127.6	50.8	84.8	186.0	30.8
BA 1202	Busch Agr 1202	122.6	51.2	90.6	182.5	28.6
BSWS 1	BSWS 1	123.2	51.9	90.8	183.4	25.8
BSWS 2	BSWS 2	120.3	52.6	96.2	183.1	28.4
C93 1	Galena	128.4	51.6	91.4	185.0	26.7
C93 2	IdaGold	119.2	49.3	82.6	186.9	23.5
CI 15229	Steptoe	130.4	48.5	91.3	177.5	30.0
CI 15773	Morex	99.5	50.8	92.2	178.3	35.3
CI 15856	Lewis	114.8	52.5	85.6	182.7	30.4
DA592-47	WPB DA592-47	125.4	48.5	89.9	182.2	23.0
H1851195	MT41918/TR450	116.0	51.1	86.5	180.9	29.2
H3860224	Lewis/Apex	122.4	52.2	89.9	185.0	29.1
H5870120	Lindy/Martin	131.6	48.7	93.0	177.7	30.3
MOR 14	Moravian 14	115.6	53.3	87.1	179.3	25.4
MT886610	MT 81143/Lewis	120.9	51.8	83.9	182.3	30.7
MT890008	Fleet/Bowman	131.9	50.6	89.6	185.1	28.2
MT890018	Gallatin/Apex	122.0	52.6	90.8	181.5	27.6
MT910033	Bowman/MT 81619	121.9	53.0	90.7	179.6	28.8
MT910150	MT 81143/MT 83444	117.5	52.4	88.5	180.1	30.8
MT910189	ND 7293/Bearpaw	114.7	51.6	89.5	180.2	28.7
MT920041	MT 81143/MT 81161	116.2	51.7	90.2	180.7	29.4
MT920053	MT 81143/MT140523	115.3	51.0	83.0	181.9	30.9
MT920059	MT 81143/VD403582	122.3	53.0	90.0	182.6	31.8
MT920073	MT 81161/MT 83518	120.2	51.9	90.0	180.5	27.1
MT920161	MT 83424/MT 81161	119.5	51.9	90.1	181.6	28.6
MT920201	MT 83435/MT 81161	124.0	52.2	89.7	182.6	29.9
MT930059	Bowman/MT851031	116.9	53.3	93.1	179.2	30.1
MT930132	MT 81143/Bowman	120.6	51.9	94.3	180.1	30.0
MT930169	MT851012/Bowman	115.5	50.5	82.0	184.2	29.4
MT930203	MT851195/Bowman	119.4	51.4	88.0	180.7	29.3
MT930204	MT851195/Bowman	116.9	50.5	83.6	180.0	29.8
MT940013	Harrington/MT851177	117.1	50.7	88.2	181.7	27.9
MT940048	MT 81143/Blenheim	122.3	54.4	86.9	183.9	29.9
MT940049	MT 81143/Blenheim	123.7	53.6	82.9	184.3	28.9
MT940053	MT 81143/Blenheim	124.0	54.3	90.3	183.5	29.8
MT940067	MT 81143/Blenheim	118.4	53.4	93.4	183.8	31.8
MT940071	MT 81143/Blenheim	118.7	53.1	91.6	182.1	26.9
MT940079	MT 81143/Blenheim	119.4	53.0	92.0	181.2	31.1

Table 4 cont.

1996 SPRING BARLEY IRRIGATED INTRASTATE OVERALL SUMMARY

ID	Pedigree	YIELD bu/ac	TEST WT lb/bu	PLUMP PERCENT	HEADING DATE	PLANT HT inches
MT940082	MT 81143/Blenheim	119.3	53.1	90.6	182.4	29.3
MT940087	MT 81143/Blenheim	120.9	52.5	93.5	183.7	29.5
MT940099	MT 81143/Camilot	122.4	54.0	90.0	184.0	28.7
MT940106	MT 81143/Gimpel	119.7	51.3	85.6	181.4	26.3
MT940121	MT 81143/Gimpel	119.6	51.5	92.4	184.0	29.3
MT940163	MT851088/Blenheim	115.5	52.3	85.5	182.3	30.5
MT940169	MT851177/MT860326	108.2	51.0	79.2	184.8	27.6
MT940177	MT860326/Clivia	121.4	51.1	86.2	182.3	29.6
MT940196	MT860326/Clivia	118.1	51.8	90.8	183.5	30.0
MT940201	MT860326/MT81143	107.2	53.5	86.3	181.5	29.3
MT940203	MT860326/MT81143	111.2	52.1	85.5	181.0	30.7
MT940206	MT860326/MT81143	111.5	53.4	85.8	180.5	30.1
MT940214	MT860756/Lewis	119.1	51.1	88.9	180.7	28.5
MT940218	MT860756/Lewis	121.6	52.6	90.8	179.9	28.1
ND 9866	Stark	121.2	53.7	94.6	178.9	31.9
ND 11055	Foster	119.2	50.8	95.4	179.3	33.6
PI491534	Gallatin	121.6	52.9	86.0	181.7	29.9
PI564487	Alexis	120.6	51.0	88.3	184.6	26.7
PI564743	Stander	122.1	52.3	94.0	180.3	30.8
PI568246	Baronesse	132.6	52.6	91.5	183.4	26.9
PI591823	Chinook	116.6	51.5	82.1	182.2	30.6
SK 76333	Harrington	122.7	51.3	89.3	183.4	29.3
SL93516	WPB SL93516	126.8	52.7	94.2	185.9	27.9
SITMEAN	SITE MEAN *****	120.1	51.9	89.1	182.0	29.2