

PROJECT TITLE:

Statewide Barley Performance

YEAR: 1992LOCATIONS:

Bozeman, irrigated and dryland
Conrad, irrigated and dryland (Hailed out)
Havre, dryland (Hailed out)
Huntley, irrigated and dryland
Kalispell, high moisture
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 Conrad and Havre nurseries were lost to hail.

Yield data are summarized for each location in Tables 1 and 3 for dryland and irrigated, respectively. Other traits are presented as statewide averages in Tables 2 and 4 for dryland and irrigated, respectively. Dryland yields were exceptionally high, and nearly approached irrigated levels. Therefore, the 1992 dryland trials do not indicate which varieties may be superior for dry to average conditions. Several experimental lines from MSU exceeded the yield of Gallatin and Steptoe on dryland. Top yielders were Medallion and Baronesse on dryland and irrigated, respectively.

**Table 1: 1992 STATEWIDE BARLEY STATEWIDE REPORT - DRYLAND
YIELD (bu/ac)**

ID	Pedigree	Sidney	Moccasin	Huntley	Bozeman	Avg	BYX	RSQ
AK321214	AC 3212/14	106.2	69.4	112.2	118.9	101.7	1.12	0.96
AZ90 12	Washonupana/Bowman	49.5	53.6	93.9	93.5	72.6	1.03	0.67
AZ90 69	Washonupana/Menuet	64.3	46.5	94.3	88.0	73.3	1.10	0.93
AZ90 76	Washonupana/Menuet	61.2	47.5	89.9	90.0	72.2	1.06	0.93
AZ90 123	Washonupana/MT 83424	76.0	58.6	93.5	104.6	83.2	1.02	0.96
AZ90 142	Washonupana/MT 83424	64.2	52.0	90.0	95.3	75.4	1.02	0.91
BA 1215	2B82-8529 (BA 8529)	106.8	85.5	124.2	121.6	109.5	0.91	0.98
BZ489-29	WPB BZ 489-29	86.8	73.2	113.2	114.3	96.9	1.01	0.93
CI 9558	Piroline	91.2	78.9	100.0	117.9	97.0	0.78	0.84
CI 15229	Steptoe	117.3	80.2	119.7	131.2	112.1	1.10	0.93
CI 15478	Klages	99.2	77.3	105.4	121.4	100.8	0.91	0.93
CI 15514	Hector	101.9	77.3	92.5	119.6	97.8	0.73	0.64
CI 15856	Lewis	103.8	73.5	113.2	122.7	103.3	1.09	0.98
CI 15857	Clark	93.9	74.8	110.3	117.6	99.1	0.98	0.99
H1851032	Harrington/Clark(MT851032	99.3	74.4	109.8	116.4	100.0	0.95	0.99
H1851195	MT41918/TR450 (MT851195 H	94.7	81.8	118.9	116.2	102.9	0.88	0.93
H3851032	Harrington/Clark(MT851032	108.6	67.5	110.8	123.3	102.5	1.20	0.92
H4851224	ID810264/MT 41918(MT85122	87.2	72.8	112.7	113.6	96.6	1.00	0.94
H5851161	MT 41918/MT 41279(MT85116	97.3	75.8	112.1	112.3	99.4	0.89	1.00
H5860219	Lewis/Apex (MT860219 HR #	104.8	81.9	119.6	115.4	105.4	0.86	0.97
H6851032	Harrington/Clark(MT851032	101.9	80.0	104.4	122.6	102.2	0.84	0.87
H6860756	Gallatin/Bellona (MT86075	97.1	83.7	125.4	123.6	107.5	1.01	0.92
MT 81161	Lewis//Kgs/Smt	95.4	83.4	107.9	123.8	102.6	0.83	0.87
MT 83435	Clark/TR450	105.1	77.4	115.1	129.1	106.7	1.11	0.97
MT140523	Hector/Klages	110.2	78.2	112.9	117.1	104.6	0.88	0.92
MT851012	Clark/WA877178	110.4	73.7	107.4	113.3	101.2	0.87	0.83
MT851032	Harrington/Clark	101.4	72.6	110.2	107.9	98.0	0.87	0.94
MT851161	MT 41918/MT 41279	102.6	82.8	110.8	121.8	104.5	0.84	0.97
MT851195	MT41918/TR450	117.9	77.2	105.5	124.8	106.3	0.92	0.72
MT860326	Lewis/TR533	108.5	77.9	102.0	119.5	102.0	0.81	0.79
MT860756	Gallatin/Bellona	96.9	78.1	113.4	124.2	103.1	1.02	0.96
MT861596	Lewis/MT 41549	118.0	76.7	109.2	123.2	106.8	0.95	0.78
MT886610	MT 81143/Lewis	105.7	79.4	128.0	115.6	107.2	1.01	0.90
MT887103	MT 81535/Lewis	104.7	66.6	102.9	117.9	98.0	1.07	0.88
MT889106	Apex/Lewis	105.2	72.8	117.7	116.0	102.9	1.06	0.97
MT890008	Fleet/Bowman	108.9	93.8	118.4	137.5	114.7	0.88	0.86
MT890018	Gallatin/Apex	99.3	87.9	102.3	126.0	103.9	0.69	0.70
MT890021	Gallatin/Piroline	85.2	78.1	98.7	116.6	94.6	0.77	0.78
MT890033	Hector/Fleet	81.0	72.1	120.8	115.2	97.3	1.15	0.84
MT890065	MT4126/Bowman	86.8	77.1	120.6	123.7	102.0	1.14	0.87
MT890070	MT47219/Bowman	107.3	80.3	109.9	126.2	105.9	0.94	0.91

continued

Table 1 cont: 1992 STATEWIDE BARLEY STATEWIDE REPORT - DRYLAND
YIELD (bu/ac)

ID	Pedigree	Sidney	Moccasin	Huntley	Bozeman	Avg	BYX	RSQ
MT890128	Steptoe/Robust	118.1	82.7	130.0	128.5	114.8	1.11	0.95
MT900002	Bowman/Apex	89.7	69.3	131.3	134.4	106.2	1.59	0.93
MT900011	Bowman/Bellona	99.4	70.0	105.6	118.1	98.3	1.03	0.96
MT900014	Bowman/ID810099	98.4	67.7	114.6	118.5	99.8	1.19	1.00
MT900054	Gallatin/Apex	88.0	80.0	127.0	112.3	101.8	0.97	0.75
MT900071	Hector/Bowman	105.2	69.4	111.2	109.8	98.9	0.97	0.90
MT900111	Menuet/Bowman	84.9	65.0	124.1	107.5	95.4	1.23	0.85
MT900117	Menuet/MT4126	97.9	74.1	113.0	118.0	100.7	1.02	1.00
MT900125	MT4126/Bowman	98.2	63.9	117.1	117.4	99.2	1.29	0.99
MT900132	MT4126/Moravian III	113.8	61.5	115.6	115.0	101.5	1.26	0.84
MT900143	MT81161/Bowman	91.5	74.1	129.9	117.7	103.3	1.21	0.87
MT900145	MT81161/Fleet	104.1	80.9	119.2	121.0	106.3	0.96	1.00
MT900176	Steptoe/Robust	125.8	80.3	133.2	117.0	114.1	1.02	0.71
MTSU 247	Shonkin	83.7	59.9	79.2	104.3	81.8	0.81	0.74
ND 9866	Stark	119.2	72.9	131.2	126.0	112.3	1.32	0.91
NS 78054	Baronesse	105.7	87.9	123.9	133.7	112.8	1.02	0.96
PI483127	Russell	94.3	64.1	143.9	101.6	101.0	1.36	0.64
PI483237	Bowman	105.8	72.8	116.1	114.9	102.4	1.02	0.95
PI491534	Gallatin	93.9	83.4	125.0	109.0	102.8	0.81	0.75
PI531228	Bearpaw	112.8	73.3	107.2	125.3	104.6	1.05	0.83
SITEMEAN		98.6	74.6	113.4	117.3	101.0	1.00	1.00
SK 76333	Harrington	99.1	76.0	121.1	120.0	104.1	1.09	0.99
WPB92 1	Medallion	121.7	98.6	150.3	122.6	123.3	0.87	0.63
WPB92 2	Westford	96.8	91.7	107.4	115.8	102.9	0.51	0.84
*****	SITE MEAN *****	98.6	74.6	113.4	117.3	101.0	1.00	1.00

Table 2: 1992 STATEWIDE BARLEY STATEWIDE REPORT - DRYLAND
statewide average

ID	Pedigree	Test wt.	% Plump	Height	Heading
AK321214	AC 3212/14	52.8	93.1	29.0	168.5
AZ90 12	Washonupana/Bowman	57.2	69.2	26.3	160.1
AZ90 69	Washonupana/Menuet	56.3	50.9	23.9	161.5
AZ90 76	Washonupana/Menuet	56.2	48.6	23.9	161.4
AZ90 123	Washonupana/MT 83424	57.3	40.5	27.1	164.4
AZ90 142	Washonupana/MT 83424	56.0	50.0	27.3	164.8
BA 1215	2B82-8529 (BA 8529)	53.3	88.7	30.9	168.0
BZ489-29	WPB BZ 489-29	58.9	75.3	23.3	168.1
CI 9558	Piroline	53.7	89.9	32.2	165.0
CI 15229	Step toe	48.8	93.1	30.6	162.6
CI 15478	Klages	51.9	85.4	31.1	169.7
CI 15514	Hector	53.0	90.5	33.6	166.7
CI 15856	Lewis	53.4	89.0	31.2	165.8
CI 15857	Clark	52.6	89.2	32.4	166.9
H1851032	Harrington/Clark(MT851032	52.9	92.8	30.5	168.2
H1851195	MT41918/TR450 (MT851195 H	51.9	89.6	31.6	165.4
H3851032	Harrington/Clark(MT851032	52.8	89.8	30.8	168.2
H4851224	ID810264/MT 41918(MT85122	52.7	90.9	29.9	166.3
H5851161	MT 41918/MT 41279(MT85116	52.9	90.6	29.7	167.2
H5860219	Lewis/Apex (MT860219 HR #	53.8	92.0	29.2	167.3
H6851032	Harrington/Clark(MT851032	52.8	88.9	30.6	168.1
H6860756	Gallatin/Bellona (MT86075	54.1	91.3	31.1	167.7
MT 81161	Lewis//Kgs/Smt	51.4	88.0	30.4	165.0
MT 83435	Clark/TR450	52.4	85.0	29.9	166.4
MT140523	Hector/Klages	53.1	88.7	30.1	166.5
MT851012	Clark/WA877178	52.4	90.4	30.3	166.1
MT851032	Harrington/Clark	53.2	93.0	29.8	167.1
MT851161	MT 41918/MT 41279	52.2	89.9	29.4	167.3
MT851195	MT41918/TR450	52.1	85.5	30.5	165.8
MT860326	Lewis/TR533	54.1	88.0	31.3	166.5
MT860756	Gallatin/Bellona	53.3	91.7	30.6	166.9
MT861596	Lewis/MT 41549	53.7	85.5	31.7	166.5
MT886610	MT 81143/Lewis	53.6	88.4	31.3	166.6
MT887103	MT 81535/Lewis	52.0	90.4	27.1	165.6
MT889106	Apex/Lewis	52.6	88.6	30.7	162.6
MT890008	Fleet/Bowman	52.5	88.2	29.7	170.5
MT890018	Gallatin/Apex	53.8	90.0	27.9	167.0
MT890021	Gallatin/Piroline	53.7	88.4	29.3	163.7
MT890033	Hector/Fleet	51.8	77.9	25.7	167.1
MT890065	MT4126/Bowman	52.9	86.4	29.5	162.8
MT890070	MT47219/Bowman	52.8	90.5	30.3	163.6

continued

Table 2 cont: 1992 STATEWIDE BARLEY STATEWIDE REPORT - DRYLAND
Statewide average

ID	Pedigree	Test wt.	% Plump	Height	Heading
MT890128	Steptoe/Robust	49.4	92.0	27.3	162.8
MT900002	Bowman/Apex	52.9	90.7	28.6	166.0
MT900011	Bowman/Bellona	52.8	86.6	27.7	164.6
MT900014	Bowman/ID810099	51.6	87.9	29.4	163.6
MT900054	Gallatin/Apex	53.9	88.1	27.5	167.0
MT900071	Hector/Bowman	53.0	89.5	32.9	165.7
MT900111	Menuet/Bowman	51.8	91.5	28.5	163.7
MT900117	Menuet/MT4126	53.8	89.1	27.7	166.7
MT900125	MT4126/Bowman	52.0	86.3	27.8	163.6
MT900132	MT4126/Moravian III	53.2	90.8	30.9	164.9
MT900143	MT81161/Bowman	53.8	90.4	30.5	163.0
MT900145	MT81161/Fleet	52.9	91.1	32.1	167.5
MT900176	Steptoe/Robust	49.1	92.7	30.0	164.1
MTSU 247	Shonkin	55.3	58.0	33.8	168.9
ND 9866	Stark	53.5	93.3	33.3	163.2
NS 78054	Baronesse	53.6	92.6	29.1	167.6
PI483127	Russell	50.6	90.8	30.1	163.1
PI483237	Bowman	51.8	90.0	29.8	162.9
PI491534	Gallatin	53.8	86.5	30.8	165.9
PI531228	Bearpaw	52.0	88.4	30.7	168.6
SITMEAN		53.0	85.7	29.7	165.9
SK 76333	Harrington	52.3	88.9	30.5	167.4
WPB92 1	Medallion	51.0	82.5	26.8	170.2
WPB92 2	Westford	46.5	92.2	33.5	170.6
.....	SITE MEAN	53.0	85.7	29.7	165.9

**Table 3: 1992 STATEWIDE BARLEY REPORT - IRRIGATED
YIELD (bu/ac)**

ID	Pedigree	Kallspell High Moisture	Sidney	Huntley	Bozeman	Avg	BYX	RSQ
2B885133	2B88-5133	93.5	115.2	126.2	145.5	120.1	1.10	0.90
AK321214	Ack 3212/14	97.4	136.3	139.9	151.8	131.4	1.00	0.63
BA 1215	2B82-8529 (BA 8529)	110.8	146.9	128.0	158.0	135.9	0.81	0.53
BA 1614	BA 1614	89.6	131.0	110.9	145.5	119.2	0.97	0.56
BZ489-29	WPB BZ 489-29	85.9	125.4	126.4	141.6	119.8	1.02	0.64
C10	Coors C10	100.2	132.8	122.7	164.8	130.1	1.27	0.79
C12	Coors C12	114.9	134.7	125.7	140.9	129.1	0.45	0.55
C13	Coors C13	98.8	121.3	124.6	145.6	122.6	0.95	0.86
C14	Coors C14	95.6	111.9	142.7	162.2	128.1	1.53	0.92
CI 9558	Piroline	90.8	101.9	100.7	138.0	107.8	1.05	0.90
CI 15229	Steptoe	114.2	120.0	127.5	166.3	132.0	1.23	0.96
CI 15478	Klages	106.2	98.1	111.0	139.6	113.7	0.90	0.88
CI 15514	Hector	106.0	74.5	96.4	142.3	104.8	1.19	0.62
CI 15773	Morex	85.8	102.8	105.3	129.6	105.9	0.92	0.92
CI 15856	Lewis	110.6	91.9	132.8	149.0	121.0	1.16	0.76
CI 15857	Clark	106.7	103.4	113.5	141.6	116.3	0.89	0.93
H1851032	Harrington/Clark(MT851032	115.3	108.3	124.2	151.1	124.7	0.96	0.92
H1851195	MT41918/TR450 (MT851195 H	113.9	94.8	121.0	152.9	120.7	1.16	0.81
H3851032	Harrington/Clark(MT851032	97.7	95.8	113.3	144.0	112.7	1.17	0.97
H4851224	ID810264/MT 41918(MT85122	99.4	85.6	123.6	138.4	111.7	1.13	0.80
H5851161	MT 41918/MT 41279(MT85116	109.6	105.6	120.6	145.4	120.3	0.93	0.95
H5860219	Lewis/Apex (MT860219 HR #	106.1	140.8	119.9	149.4	129.1	0.72	0.47
H6851032	Harrington/Clark(MT851032	103.5	108.1	107.7	131.6	112.7	0.64	0.89
H6860756	Gallatin/Bellona (MT86075	107.2	113.8	132.0	132.4	121.4	0.59	0.74
MN 52	Excel	99.1	120.3	128.5	159.7	126.9	1.31	0.95
MT 81161	Lewis//Kgs/Smt	101.0	67.3	123.2	150.9	110.6	1.60	0.72
MT 83435	Clark/TR450	112.7	105.1	129.8	148.7	124.1	0.98	0.90
MT140523	Hector/Klages	113.1	89.5	118.5	148.6	117.4	1.12	0.74
MT851012	Clark/WA877178	104.3	101.8	109.1	140.5	113.9	0.92	0.91
MT851032	Harrington/Clark	104.1	105.3	110.2	138.1	114.4	0.83	0.94
MT851161	MT 41918/MT 41279	109.7	86.2	118.4	150.1	116.1	1.24	0.77
MT851195	MT41918/TR450	120.5	103.1	127.3	150.2	125.3	0.91	0.77
MT860756	Gallatin/Bellona	100.1	109.6	123.0	133.8	116.6	0.76	0.93
MT861596	Lewis/MT 41549	116.8	100.1	118.3	143.5	119.7	0.82	0.74
MT886610	MT 81143/Lewis	114.3	113.8	130.1	144.7	125.7	0.77	0.96
MT887103	MT 81535/Lewis	106.6	101.9	120.3	148.4	119.3	1.09	0.95
MT889106	Apex/Lewis	93.5	101.6	121.5	146.4	115.8	1.25	0.99
MT890008	Fleet/Bowman	110.2	129.3	118.7	160.7	129.7	1.04	0.79
MT890018	Gallatin/Apex	111.5	104.7	118.3	142.3	119.2	0.83	0.90
MT890021	Gallatin/Piroline	90.4	93.7	110.4	136.3	107.7	1.12	1.00
MT890033	Hector/Fleet	98.0	98.1	135.1	141.0	118.1	1.11	0.80

continued

Table 3 cont: 1992 STATEWIDE BARLEY REPORT - IRRIGATED
YIELD (bu/ac)

ID	Pedigree	KallsPELL High Moisture	Sidney	Huntley	Bozeman	Avg	BYX	RSQ
MT890040	Lewis/ID91019	102.8	125.5	145.0	155.3	132.1	1.12	0.82
MT890065	MT4126/Bowman	91.8	109.0	132.8	145.7	119.8	1.20	0.87
MT890069	MT4126/Pirolina	112.1	94.5	123.7	157.1	121.9	1.30	0.85
MT890070	MT47219/Bowman	93.8	104.2	121.2	152.9	118.0	1.38	1.00
MT890128	Steptoe/Robust	105.1	123.5	141.0	156.3	131.5	1.12	0.90
MT900011	Bowman/Bellona	102.7	118.3	125.2	132.0	119.6	0.59	0.78
MT900014	Bowman/ID810099	98.4	99.0	118.3	142.0	114.4	1.09	0.98
MT900071	Hector/Bowman	107.0	114.7	128.8	152.4	125.7	1.06	0.99
MT900111	Menuet/Bowman	100.1	123.5	129.0	150.2	125.7	1.03	0.88
MT900117	Menuet/MT4126	116.8	111.1	128.8	150.3	126.8	0.89	0.93
MT900125	MT4126/Bowman	99.8	100.4	122.1	136.5	114.7	0.92	0.94
MT900132	MT4126/Moravian III	111.1	103.0	117.9	148.4	120.1	1.00	0.90
MT900143	MT81161/Bowman	104.5	94.7	134.1	148.0	120.3	1.21	0.83
MT900176	Steptoe/Robust	113.9	134.7	134.1	165.8	137.1	1.08	0.90
MTSU 247	Shonkin	82.7	72.5	87.7	113.6	89.1	0.86	0.85
ND 9866	Stark	111.6	121.9	130.0	146.8	127.6	0.78	0.97
NS 78054	Baronesse	123.8	151.6	126.2	160.3	140.5	0.61	0.39
PI483127	Russell	96.6	125.9	138.1	138.1	124.7	0.78	0.56
PI491534	Gallatin	108.3	116.2	129.6	137.6	122.9	0.67	0.91
PI531228	Bearpaw	111.8	93.3	103.7	142.7	112.9	0.93	0.67
SK 76333	Harrington	94.7	122.0	113.3	144.4	118.6	0.96	0.76
WPB92 1	Medallion	100.7	149.4	135.5	145.3	132.7	0.64	0.30
WPB92 2	Westford	98.0	82.0	108.4	144.4	108.2	1.31	0.86
*****	SITE MEAN *****	104.0	109.7	122.4	146.2	120.6	1.00	1.00

Table 4: 1992 STATEWIDE BARLEY REPORT - IRRIGATED
statewide average

ID	Pedigree	Test wt.	% Plump	Height	Heading
2B885133	2B88-5133	52.0	95.4	33.3	163.2
AK321214	Ack 3212/14	52.2	94.2	31.2	167.7
BA 1215	2B82-8529 (BA 8529)	53.0	92.8	33.5	167.4
BA 1614	BA 1614	49.0	93.1	34.9	164.4
BZ489-29	WPB BZ 489-29	57.2	64.8	23.9	167.7
C10	Coors C10	51.6	89.3	30.5	169.5
C12	Coors C12	51.8	87.6	33.8	169.6
C13	Coors C13	52.4	95.5	26.5	170.5
C14	Coors C14	53.5	87.3	28.8	163.0
CI 9558	Piroline	52.1	80.7	34.5	164.3
CI 15229	StepToe	47.2	89.8	34.2	162.3
CI 15478	Klages	51.3	76.9	33.7	168.8
CI 15514	Hector	50.9	78.2	33.7	165.2
CI 15773	Morex	49.5	88.2	37.3	162.8
CI 15856	Lewis	52.9	91.9	34.0	165.2
CI 15857	Clark	52.3	91.0	33.7	164.9
H1851032	Harrington/Clark(MT851032	51.9	91.8	33.8	167.3
H1851195	MT41918/TR450 (MT851195 H	52.1	93.9	35.0	163.7
H3851032	Harrington/Clark(MT851032	51.6	92.7	34.3	167.8
H4851224	ID810264/MT 41918(MT85122	51.2	91.4	32.5	166.4
H5851161	MT 41918/MT 41279(MT85116	51.4	86.0	32.0	165.6
H5860219	Lewis/Apex (MT860219 HR #	52.5	94.2	31.0	165.6
H6851032	Harrington/Clark(MT851032	52.1	89.5	34.0	167.1
H6860756	Gallatin/Bellona (MT86075	52.7	89.6	33.5	166.0
MN 52	Excel	49.6	88.3	34.7	162.4
MT 81161	Lewis//Kgs/Smt	50.7	87.7	32.2	164.1
MT 83435	Clark/TR450	51.9	90.6	33.5	165.3
MT140523	Hector/Klages	52.2	88.8	32.0	164.5
MT851012	Clark/WA877178	50.7	89.9	35.2	166.4
MT851032	Harrington/Clark	51.9	90.6	33.6	167.0
MT851161	MT 41918/MT 41279	51.7	88.6	32.3	165.0
MT851195	MT41918/TR450	51.7	89.2	33.9	164.0
MT860756	Gallatin/Bellona	53.0	94.2	32.4	166.0
MT861596	Lewis/MT 41549	53.2	89.5	33.0	164.4
MT886610	MT 81143/Lewis	52.2	88.7	34.0	165.2
MT887103	MT 81535/Lewis	51.7	94.6	30.4	164.2
MT889106	Apex/Lewis	52.4	97.3	32.9	161.1
MT890008	Fleet/Bowman	51.6	91.0	32.6	170.1
MT890018	Gallatin/Apex	53.1	89.9	29.7	165.4
MT890021	Gallatin/Piroline	52.9	86.1	32.2	162.5
MT890033	Hector/Fleet	51.1	69.3	25.0	164.4

continued

Table 4 cont: 1992 STATEWIDE BARLEY REPORT - IRRIGATED
Statewide average

ID	Pedigree	Test wt.	% Plump	Height	Heading
MT890040	Lewis/ID91019	50.3	85.8	33.1	162.7
MT890065	MT4126/Bowman	52.8	92.8	32.1	160.9
MT890069	MT4126/Pirolina	51.8	82.9	32.9	164.5
MT890070	MT47219/Bowman	51.6	92.8	32.7	161.6
MT890128	Steptoe/Robust	48.4	88.2	31.4	162.9
MT900011	Bowman/Bellona	52.3	90.4	31.3	162.8
MT900014	Bowman/ID810099	52.3	95.9	33.0	161.9
MT900071	Hector/Bowman	52.4	90.0	37.1	165.4
MT900111	Menuet/Bowman	52.9	97.1	33.0	162.0
MT900117	Menuet/MT4126	53.0	85.4	30.7	165.7
MT900125	MT4126/Bowman	52.3	94.6	30.6	161.5
MT900132	MT4126/Moravian III	52.7	91.8	32.8	163.8
MT900143	MT81161/Bowman	53.7	94.5	33.9	162.0
MT900176	Steptoe/Robust	47.3	96.2	34.1	163.9
MTSU 247	Shonkin	54.5	42.4	34.7	168.3
ND 9866	Stark	53.2	96.8	34.6	161.8
NS 78054	Baronesse	52.5	95.5	32.0	166.6
PI483127	Russell	48.9	88.7	34.7	163.2
PI491534	Gallatin	52.6	90.9	34.3	165.0
PI531228	Bearpaw	50.2	85.8	32.9	168.2
SITEMEAN		51.6	88.5	32.8	165.1
SK 76333	Harrington	51.1	89.3	33.4	167.1
WPB92 1	Medallion	48.2	64.3	30.1	168.5
WPB92 2	Westford	42.9	90.2	40.5	169.1
*****	SITE MEAN *****	51.6	88.5	32.8	165.1