

PROJECT TITLE:

Statewide Barley Performance

YEAR: 1998

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: Ken Kephart  
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 Huntley location was hailed out. Lush mid-season growing conditions, followed by hot dry conditions during ripening caused kernel plump reductions at Bozeman and Conrad. This was especially evident in the irrigated nurseries. Dryland and irrigated yields were exceptionally good at all locations.

Yield, kernel plump, plant height and heading date data are presented in the following Tables.

**1998 SPRING BARLEY STATEWIDE DRYLAND SUMMARY--**  
Yield (bu/ac)

| ID       | PEDIGREE                 | Harve | Sidney | Moccasin | Conrad | Bozeman | AVG  | BYX  | RSQ  |
|----------|--------------------------|-------|--------|----------|--------|---------|------|------|------|
| 11231-11 | Logan                    | 72.0  | 92.6   | 74.9     | 95.1   | 93.3    | 85.6 | 0.74 | 0.89 |
| 2B914947 | Merit                    | 59.7  | 67.1   | 66.8     | 87.5   | 108.9   | 78.0 | 1.28 | 0.81 |
| 96/1114  | AC 96/1114               | 73.8  | 90.8   | 81.9     | 105.9  | 117.2   | 93.9 | 1.22 | 0.96 |
| B2L20-08 | BCL20/MOREX BC2F4        | 65.4  | 81.5   | 65.2     | 93.2   | 90.7    | 79.2 | 0.92 | 0.94 |
| B2L20-22 | BCL20/MOREX BC2F4        | 65.1  | 83.6   | 57.9     | 84.1   | 93.6    | 76.9 | 0.99 | 0.89 |
| B2L20-36 | BCL20/MOREX BC2F4        | 68.2  | 87.6   | 74.2     | 99.5   | 90.0    | 83.9 | 0.80 | 0.81 |
| B2L20-39 | BCL20/MOREX BC2F4        | 70.3  | 92.7   | 54.6     | 69.9   | 82.2    | 73.9 | 0.54 | 0.28 |
| B2L20-42 | BCL20/MOREX BC2F4        | 69.3  | 87.9   | 70.7     | 99.2   | 91.1    | 83.6 | 0.85 | 0.84 |
| B2L20-46 | BCL20/MOREX BC2F4        | 68.6  | 79.9   | 57.8     | 92.0   | 93.1    | 78.3 | 1.00 | 0.86 |
| B2L32-42 | BCL32/MOREX BC2F4        | 66.1  | 81.4   | 51.7     | 84.6   | 85.9    | 74.0 | 0.90 | 0.75 |
| BA 1202  | BA 1202                  | 60.8  | 76.6   | 68.3     | 91.7   | 101.0   | 79.7 | 1.14 | 0.96 |
| BA 1614  | BA 1614                  | 63.6  | 77.1   | 65.4     | 91.8   | 96.6    | 78.9 | 1.04 | 0.97 |
| BCL32    | DH72/MOREX BCF6          | 64.1  | 82.8   | 56.4     | 94.1   | 94.6    | 78.4 | 1.17 | 0.91 |
| BZ594-19 | WPB BZ594-19             | 76.7  | 87.0   | 78.6     | 100.4  | 103.8   | 89.3 | 0.85 | 0.95 |
| BZ594-33 | WPB BZ594-33             | 61.8  | 71.9   | 66.8     | 78.7   | 93.0    | 74.4 | 0.80 | 0.88 |
| C 22     | Coors C22                | 71.0  | 88.3   | 78.4     | 98.0   | 105.4   | 88.2 | 0.98 | 0.99 |
| CI 15514 | Hector                   | 64.4  | 93.0   | 75.3     | 95.6   | 96.7    | 85.0 | 0.97 | 0.91 |
| CI 15773 | Morex                    | 69.3  | 88.6   | 51.0     | 69.6   | 86.3    | 73.0 | 0.68 | 0.40 |
| CI 15856 | Lewis                    | 67.3  | 96.8   | 71.5     | 88.6   | 97.6    | 84.4 | 0.90 | 0.81 |
| GS 1750  | GS 1750                  | 68.8  | 91.1   | 82.2     | 104.3  | 109.7   | 91.2 | 1.14 | 0.95 |
| H1851195 | MT41918/TR450            | 62.7  | 89.2   | 79.6     | 101.3  | 110.1   | 88.6 | 1.27 | 0.94 |
| H3860224 | Lewis/Apex               | 66.2  | 89.3   | 78.7     | 97.9   | 101.0   | 86.6 | 0.98 | 0.95 |
| MT910189 | ND 7293/Bearpaw          | 72.2  | 88.3   | 80.8     | 84.3   | 98.3    | 84.8 | 0.60 | 0.78 |
| MT920053 | MT 81143/MT140523        | 66.8  | 86.8   | 80.2     | 98.0   | 103.0   | 87.0 | 0.99 | 0.94 |
| MT920073 | MT81161/MT83518          | 72.3  | 90.6   | 84.8     | 100.8  | 108.9   | 91.5 | 0.97 | 0.94 |
| MT940053 | MT 81143/Blenheim        | 70.7  | 93.3   | 66.6     | 99.9   | 113.2   | 88.8 | 1.36 | 0.96 |
| MT940177 | MT860326/Clivia          | 71.8  | 91.9   | 69.2     | 98.8   | 101.8   | 86.7 | 1.05 | 0.96 |
| MT940214 | MT860756/Lewis           | 75.1  | 87.8   | 78.3     | 105.9  | 96.5    | 88.7 | 0.81 | 0.82 |
| MT950102 | MT 83533/Triumph         | 64.6  | 86.9   | 73.9     | 102.7  | 108.4   | 87.3 | 1.30 | 0.98 |
| MT950155 | MT860326/Stark           | 66.5  | 87.0   | 75.6     | 96.8   | 102.0   | 85.6 | 1.03 | 0.99 |
| MT950156 | MT860326/MT 81143//Har   | 71.0  | 90.0   | 76.0     | 98.5   | 103.3   | 87.7 | 0.99 | 1.00 |
| MT950186 | MT860756/MT83533         | 77.0  | 100.6  | 79.2     | 105.1  | 105.2   | 93.4 | 0.96 | 0.93 |
| MT960045 | Cheri/Lewis              | 68.5  | 89.3   | 74.5     | 102.1  | 104.3   | 87.7 | 1.12 | 0.98 |
| MT960082 | Harrington/Camilot//Lewi | 76.7  | 93.2   | 76.6     | 92.9   | 101.3   | 88.1 | 0.76 | 0.95 |
| MT960089 | Harrington/Clivia//Lewis | 66.7  | 80.4   | 73.1     | 87.6   | 98.7    | 81.3 | 0.86 | 0.95 |
| MT960099 | Manley/Baronesse         | 70.6  | 88.9   | 86.5     | 106.5  | 117.6   | 94.0 | 1.22 | 0.90 |
| MT960101 | Manley/Baronesse         | 68.1  | 86.8   | 78.8     | 100.3  | 108.9   | 88.6 | 1.13 | 0.96 |
| MT960104 | Manley/Gallatin          | 65.9  | 78.2   | 72.9     | 92.5   | 100.5   | 82.0 | 0.97 | 0.94 |
| MT960140 | MT860756/Triangle        | 65.6  | 77.5   | 71.6     | 88.7   | 107.2   | 82.1 | 1.09 | 0.88 |
| MT960152 | MT861596/Gimpel          | 62.7  | 83.9   | 65.9     | 87.0   | 105.7   | 81.0 | 1.20 | 0.95 |
| MT960154 | MT861596/Triangle        | 64.1  | 70.4   | 64.7     | 94.2   | 104.9   | 79.6 | 1.23 | 0.87 |
| MT960170 | MT870246/ID 71966        | 68.2  | 85.1   | 75.9     | 103.1  | 107.1   | 87.9 | 1.17 | 0.96 |
| MT960174 | MT886609/Baronesse       | 61.8  | 77.5   | 61.2     | 85.6   | 98.3    | 76.9 | 1.10 | 0.96 |
| MT960175 | MT886609/Clark           | 63.4  | 77.3   | 72.0     | 89.6   | 104.0   | 81.2 | 1.07 | 0.92 |
| MT960178 | MT886609/Harrington      | 65.1  | 84.9   | 64.8     | 95.2   | 110.8   | 84.2 | 1.37 | 0.97 |
| MT960198 | MT886610/MT140523        | 66.9  | 93.4   | 83.0     | 97.4   | 102.6   | 88.7 | 0.94 | 0.89 |
| MT960199 | MT886610/MT140523        | 69.4  | 89.7   | 71.0     | 90.7   | 102.0   | 84.6 | 0.97 | 0.96 |
| MT960222 | Stark/Baronesse          | 71.0  | 98.5   | 72.7     | 94.1   | 114.5   | 90.2 | 1.23 | 0.90 |

1998 SPRING BARLEY STATEWIDE DRYLAND SUMMARY--  
Yield (bu/ac)

| ID       | PEDIGREE            | Harve | Sidney | Moccasin | Conrad | Bozeman | AVG  | BYX  | RSQ  |
|----------|---------------------|-------|--------|----------|--------|---------|------|------|------|
| MT960225 | Stark/Baronesse     | 73.4  | 99.7   | 77.4     | 100.8  | 106.4   | 91.5 | 1.03 | 0.95 |
| MT960226 | Stark/Baronesse     | 76.0  | 101.4  | 70.7     | 101.2  | 89.7    | 87.8 | 0.75 | 0.56 |
| MT960228 | Stark/Baronesse     | 74.2  | 90.9   | 81.3     | 111.5  | 113.5   | 94.3 | 1.21 | 0.95 |
| MTLB 2   | Lewis/Baronesse #2  | 71.0  | 89.8   | 83.4     | 105.5  | 91.7    | 88.3 | 0.72 | 0.66 |
| MTLB 5   | Lewis/Baronesse #5  | 72.3  | 98.1   | 80.7     | 102.9  | 103.4   | 91.5 | 0.97 | 0.94 |
| MTLB 6   | Lewis/Baronesse #6  | 70.4  | 83.9   | 81.0     | 100.3  | 97.1    | 86.6 | 0.80 | 0.86 |
| MTLB 13  | Lewis/Baronesse #13 | 68.3  | 81.5   | 78.6     | 99.8   | 105.4   | 86.7 | 1.04 | 0.91 |
| MTLB 30  | Lewis/Baronesse #30 | 72.4  | 99.3   | 72.5     | 100.7  | 99.9    | 89.0 | 0.99 | 0.87 |
| MTLB 57  | Lewis/Baronesse     | 66.1  | 85.5   | 76.5     | 87.8   | 95.9    | 82.4 | 0.78 | 0.94 |
| ND 9866  | Stark               | 74.1  | 98.9   | 81.3     | 102.0  | 100.7   | 91.4 | 0.86 | 0.90 |
| PI491534 | Gallatin            | 69.3  | 87.4   | 67.8     | 100.5  | 102.5   | 85.5 | 1.15 | 0.97 |
| PI568246 | Baronesse           | 70.4  | 93.8   | 75.9     | 103.9  | 108.4   | 90.5 | 1.18 | 0.99 |
| PI591823 | Chinook             | 72.6  | 89.9   | 66.5     | 84.1   | 105.7   | 83.7 | 0.96 | 0.79 |
| SK 76333 | Harrington          | 59.4  | 72.2   | 69.9     | 79.8   | 100.5   | 76.4 | 0.98 | 0.82 |
| STANUWA  | WPB Stanuwax        | 62.7  | 76.3   | 68.4     | 76.2   | 86.5    | 74.0 | 0.61 | 0.92 |
| TR 128   | Stratus             | 71.1  | 87.7   | 82.1     | 111.6  | 115.5   | 93.6 | 1.30 | 0.92 |
| *****    | SITE MEAN *****     | 68.5  | 87.1   | 72.7     | 95.2   | 101.5   | 85.0 | 1.00 | 1.00 |

## 1998 SPRING BARLEY STATEWIDE DRYLAND SUMMARY

## Plump Percent

| ID       | PEDIGREE                  | Havre | Sidney | Moccasin | Conrad | Bozeman | AVG  | BYX  | RSQ  |
|----------|---------------------------|-------|--------|----------|--------|---------|------|------|------|
| 11231-11 | Logan                     | 65.4  | 78.0   | 82.2     | 95.0   | 80.2    | 80.2 | 0.40 | 0.37 |
| 2B914947 | Merit                     | 24.0  | 73.0   | 29.5     | 85.0   | 88.1    | 59.9 | 1.84 | 0.91 |
| 96/1114  | AC 96/1114                | 45.7  | 78.0   | 37.3     | 91.0   | 78.7    | 66.1 | 1.44 | 0.99 |
| B2L20-08 | BCL20/MOREX BC2F4         | 46.1  | 66.0   | 40.6     | 77.0   | 67.4    | 59.4 | 0.96 | 1.00 |
| B2L20-22 | BCL20/MOREX BC2F4         | 49.0  | 69.0   | 42.6     | 76.0   | 64.5    | 60.2 | 0.85 | 0.95 |
| B2L20-36 | BCL20/MOREX BC2F4         | 53.8  | 70.0   | 53.2     | 82.0   | 71.8    | 66.1 | 0.76 | 0.96 |
| B2L20-39 | BCL20/MOREX BC2F4         | 64.6  | 78.0   | 58.2     | 83.0   | 71.9    | 71.1 | 0.59 | 0.89 |
| B2L20-42 | BCL20/MOREX BC2F4         | 61.0  | 80.0   | 68.3     | 87.0   | 79.3    | 75.1 | 0.59 | 0.84 |
| B2L20-46 | BCL20/MOREX BC2F4         | 60.6  | 78.0   | 54.8     | 77.0   | 71.6    | 68.4 | 0.60 | 0.87 |
| B2L32-42 | BCL32/MOREX BC2F4         | 37.9  | 58.0   | 22.4     | 70.0   | 66.6    | 51.0 | 1.25 | 0.97 |
| BA 1202  | BA 1202                   | 28.3  | 68.0   | 38.6     | 86.0   | 85.6    | 61.3 | 1.58 | 0.90 |
| BA 1614  | BA 1614                   | 44.3  | 64.0   | 24.4     | 87.0   | 75.7    | 59.1 | 1.54 | 0.97 |
| BCL32    | DH72/MOREX BCF6           | 45.5  | 79.0   | 29.1     | 77.0   | 68.4    | 59.8 | 1.26 | 0.87 |
| BZ594-19 | WPB BZ594-19              | 58.0  | 83.0   | 57.5     | 89.0   | 80.0    | 73.5 | 0.90 | 0.95 |
| BZ594-33 | WPB BZ594-33              | 29.6  | 46.0   | 13.5     | 75.0   | 49.1    | 42.6 | 1.38 | 0.92 |
| C 22     | Coors C22                 | 70.5  | 78.0   | 41.2     | 86.0   | 81.4    | 71.4 | 0.98 | 0.78 |
| CI 15514 | Hector                    | 54.8  | 74.0   | 42.1     | 84.0   | 72.5    | 65.5 | 1.03 | 0.97 |
| CI 15773 | Morex                     | 65.6  | 80.0   | 29.4     | 81.0   | 69.0    | 65.0 | 1.07 | 0.67 |
| CI 15856 | Lewis                     | 60.8  | 83.0   | 54.4     | 75.0   | 77.0    | 70.0 | 0.65 | 0.75 |
| GS 1750  | GS 1750                   | 42.7  | 58.0   | 58.9     | 92.0   | 72.5    | 64.8 | 0.92 | 0.63 |
| H1851195 | MT41918/TR450             | 61.6  | 82.0   | 61.4     | 94.0   | 84.4    | 76.7 | 0.90 | 0.98 |
| H3860224 | Lewis/Apex                | 51.8  | 70.0   | 50.1     | 80.0   | 78.9    | 66.2 | 0.89 | 0.97 |
| MT910189 | ND 7293/Bearpaw           | 69.4  | 85.0   | 62.9     | 86.0   | 84.1    | 77.5 | 0.64 | 0.93 |
| MT920053 | MT 81143/MT140523         | 60.7  | 80.0   | 52.5     | 92.0   | 80.9    | 73.2 | 1.00 | 0.99 |
| MT920073 | MT81161/MT83518           | 71.0  | 83.0   | 66.1     | 87.0   | 81.1    | 77.6 | 0.53 | 0.95 |
| MT940053 | MT 81143/Blenheim         | 52.8  | 64.0   | 22.3     | 84.0   | 79.0    | 60.4 | 1.45 | 0.89 |
| MT940177 | MT860326/Clivia           | 62.6  | 77.0   | 78.8     | 92.0   | 68.7    | 75.8 | 0.33 | 0.23 |
| MT940214 | MT860756/Lewis            | 58.4  | 84.0   | 57.6     | 87.0   | 62.2    | 69.8 | 0.68 | 0.57 |
| MT950102 | MT 83533/Triumph          | 68.8  | 81.0   | 47.5     | 84.0   | 90.2    | 74.3 | 0.95 | 0.81 |
| MT950155 | MT860326/Stark            | 57.0  | 83.0   | 54.1     | 81.0   | 83.3    | 71.7 | 0.87 | 0.89 |
| MT950156 | MT860326/MT 81143//Har    | 61.3  | 76.0   | 57.3     | 85.0   | 79.7    | 71.9 | 0.75 | 1.00 |
| MT950186 | MT860756/MT83533          | 68.3  | 76.0   | 68.3     | 95.0   | 78.1    | 77.1 | 0.60 | 0.78 |
| MT960045 | Cheri/Lewis               | 44.8  | 47.0   | 42.2     | 76.0   | 65.1    | 55.0 | 0.81 | 0.77 |
| MT960082 | Harrington/Camilot//Lewis | 65.2  | 82.0   | 63.3     | 87.0   | 85.5    | 76.6 | 0.70 | 0.97 |
| MT960089 | Harrington/Clivia//Lewis  | 56.2  | 76.0   | 45.5     | 87.0   | 69.1    | 66.8 | 0.97 | 0.91 |
| MT960099 | Manley/Baronesse          | 15.9  | 31.0   | 31.7     | 78.0   | 74.9    | 46.3 | 1.44 | 0.67 |
| MT960101 | Manley/Baronesse          | 25.0  | 51.0   | 33.3     | 81.0   | 64.7    | 51.0 | 1.34 | 0.89 |
| MT960104 | Manley/Gallatin           | 40.4  | 74.0   | 49.8     | 92.0   | 66.1    | 64.5 | 1.14 | 0.81 |
| MT960140 | MT860756/Triangle         | 42.2  | 75.0   | 48.1     | 82.0   | 76.5    | 64.8 | 1.09 | 0.92 |
| MT960152 | MT861596/Gimpel           | 37.1  | 58.0   | 18.9     | 67.0   | 79.1    | 52.0 | 1.40 | 0.87 |
| MT960154 | MT861596/Triangle         | 49.6  | 75.0   | 39.7     | 84.0   | 87.7    | 67.2 | 1.30 | 0.95 |
| MT960170 | MT870246/ID 71966         | 40.7  | 50.0   | 29.8     | 73.0   | 62.3    | 51.2 | 1.04 | 0.95 |
| MT960174 | MT886609/Baronesse        | 27.2  | 36.0   | 16.3     | 61.0   | 63.6    | 40.8 | 1.21 | 0.86 |
| MT960175 | MT886609/Clark            | 41.8  | 66.0   | 38.0     | 68.0   | 85.8    | 59.9 | 1.09 | 0.77 |
| MT960178 | MT886609/Harrington       | 51.1  | 78.0   | 50.6     | 87.0   | 85.6    | 70.5 | 1.12 | 0.96 |
| MT960198 | MT886610/MT140523         | 59.0  | 78.0   | 33.9     | 75.0   | 75.5    | 64.3 | 1.02 | 0.78 |
| MT960199 | MT886610/MT140523         | 52.9  | 73.0   | 46.4     | 87.0   | 76.2    | 67.1 | 1.05 | 0.99 |
| MT960222 | Stark/Baronesse           | 58.0  | 72.0   | 30.6     | 73.0   | 82.0    | 63.1 | 1.10 | 0.77 |

1998 SPRING BARLEY STATEWIDE DRYLAND SUMMARY  
Plump Percent

| ID       | PEDIGREE            | Havre | Sidney | Moccasin | Conrad | Bozeman | AVG  | BYX  | RSQ  |
|----------|---------------------|-------|--------|----------|--------|---------|------|------|------|
| MT960225 | Stark/Baronesse     | 53.2  | 70.0   | 36.8     | 91.0   | 61.1    | 62.4 | 1.14 | 0.82 |
| MT960226 | Stark/Baronesse     | 64.0  | 82.0   | 50.9     | 89.0   | 61.5    | 69.5 | 0.76 | 0.60 |
| MT960228 | Stark/Baronesse     | 60.7  | 72.0   | 50.1     | 90.0   | 79.8    | 70.5 | 0.96 | 0.97 |
| MTLB 2   | Lewis/Baronesse #2  | 59.2  | 73.0   | 68.3     | 91.0   | 84.9    | 75.3 | 0.70 | 0.78 |
| MTLB 5   | Lewis/Baronesse #5  | 46.5  | 69.0   | 42.6     | 90.0   | 84.9    | 66.6 | 1.33 | 0.97 |
| MTLB 6   | Lewis/Baronesse #6  | 53.5  | 55.0   | 67.1     | 90.0   | 83.2    | 69.8 | 0.68 | 0.44 |
| MTLB 13  | Lewis/Baronesse #13 | 42.7  | 69.0   | 55.8     | 84.0   | 78.4    | 66.0 | 0.95 | 0.82 |
| MTLB 30  | Lewis/Baronesse #30 | 43.9  | 57.0   | 32.4     | 78.0   | 84.0    | 59.1 | 1.28 | 0.87 |
| MTLB 57  | Lewis/Baronesse     | 47.8  | 74.0   | 35.9     | 71.0   | 69.4    | 59.6 | 0.98 | 0.87 |
| ND 9866  | Stark               | 71.7  | 85.0   | 86.5     | 98.0   | 77.0    | 83.7 | 0.29 | 0.22 |
| PI491534 | Gallatin            | 43.2  | 64.0   | 37.9     | 80.0   | 65.3    | 58.1 | 1.07 | 0.98 |
| PI568246 | Baronesse           | 40.7  | 54.0   | 32.1     | 81.0   | 78.7    | 57.3 | 1.31 | 0.91 |
| PI591823 | Chinook             | 61.6  | 76.0   | 49.3     | 69.0   | 76.0    | 66.4 | 0.58 | 0.69 |
| SK 76333 | Harrington          | 38.1  | 62.0   | 28.3     | 76.0   | 82.9    | 57.4 | 1.42 | 0.92 |
| STANUWA  | WPB Stanuwax        | 57.6  | 62.0   | 21.4     | 79.0   | 49.4    | 53.9 | 1.01 | 0.59 |
| TR 128   | Stratus             | 52.4  | 66.0   | 18.8     | 87.0   | 73.3    | 59.5 | 1.53 | 0.89 |
| *****    | SITE MEAN *****     | 51.5  | 70.2   | 45.1     | 82.9   | 75.2    | 65.0 | 1.00 | 1.00 |

**1998 SPRING BARLEY STATEWIDE DRYLAND  
SUMMARY**

Plant Height (inches)

| ID       | PEDIGREE                  | Havre | Sidney | Moccasin | Conrad | Bozeman | AVG  | BYX  | RSQ  |
|----------|---------------------------|-------|--------|----------|--------|---------|------|------|------|
| 11231-11 | Logan                     | 22.6  | 27.3   | 36.9     | 34.7   | 36.3    | 31.6 | 1.11 | 0.98 |
| 2B914947 | Merit                     | 23.8  | 28.0   | 36.8     | 35.3   | 34.2    | 31.6 | 0.98 | 1.00 |
| 96/1114  | AC 96/1114                | 25.0  | 29.3   | 31.8     | 33.8   | 29.2    | 29.8 | 0.51 | 0.76 |
| B2L20-08 | BCL20/MOREX BC2F4         | 23.8  | 28.2   | 38.5     | 38.4   | 39.8    | 33.7 | 1.26 | 0.97 |
| B2L20-22 | BCL20/MOREX BC2F4         | 24.3  | 29.7   | 39.3     | 39.0   | 39.5    | 34.4 | 1.24 | 0.99 |
| B2L20-36 | BCL20/MOREX BC2F4         | 24.0  | 28.5   | 37.6     | 39.7   | 39.7    | 33.9 | 1.26 | 0.96 |
| B2L20-39 | BCL20/MOREX BC2F4         | 27.0  | 31.8   | 41.1     | 41.5   | 41.3    | 36.5 | 1.19 | 0.99 |
| B2L20-42 | BCL20/MOREX BC2F4         | 25.8  | 31.9   | 39.6     | 39.8   | 40.1    | 35.4 | 1.12 | 0.98 |
| B2L20-46 | BCL20/MOREX BC2F4         | 26.7  | 30.0   | 39.4     | 40.5   | 40.7    | 35.4 | 1.15 | 0.96 |
| B2L32-42 | BCL32/MOREX BC2F4         | 29.8  | 34.1   | 41.5     | 41.8   | 42.0    | 37.8 | 0.98 | 0.98 |
| BA 1202  | BA 1202                   | 25.3  | 27.3   | 36.0     | 35.3   | 33.9    | 31.5 | 0.86 | 0.97 |
| BA 1614  | BA 1614                   | 24.1  | 29.4   | 40.6     | 40.2   | 35.9    | 34.0 | 1.25 | 0.97 |
| BCL32    | DH72/MOREX BCF6           | 25.9  | 30.8   | 39.5     | 43.4   | 41.3    | 36.2 | 1.29 | 0.94 |
| BZ594-19 | WPB BZ594-19              | 23.5  | 29.4   | 36.5     | 33.0   | 35.1    | 31.5 | 0.89 | 0.93 |
| BZ594-33 | WPB BZ594-33              | 20.1  | 21.7   | 24.7     | 27.0   | 24.6    | 23.6 | 0.45 | 0.88 |
| C 22     | Coors C22                 | 24.2  | 26.2   | 30.4     | 30.6   | 29.0    | 28.1 | 0.49 | 0.97 |
| CI 15514 | Hector                    | 24.6  | 31.2   | 38.8     | 35.9   | 38.1    | 33.7 | 1.02 | 0.95 |
| CI 15773 | Morex                     | 27.6  | 32.4   | 41.1     | 43.0   | 42.1    | 37.2 | 1.20 | 0.98 |
| CI 15856 | Lewis                     | 26.6  | 30.4   | 37.8     | 37.4   | 36.1    | 33.7 | 0.87 | 1.00 |
| GS 1750  | GS 1750                   | 23.8  | 29.9   | 35.4     | 33.5   | 34.7    | 31.5 | 0.82 | 0.94 |
| H1851195 | MT41918/TR450             | 25.0  | 29.9   | 40.3     | 37.1   | 36.0    | 33.6 | 1.07 | 0.96 |
| H3860224 | Lewis/Apex                | 24.0  | 27.7   | 36.9     | 37.1   | 34.2    | 32.0 | 1.04 | 0.99 |
| MT910189 | ND 7293/Bearpaw           | 23.8  | 26.1   | 35.2     | 33.9   | 34.4    | 30.7 | 0.93 | 0.97 |
| MT920053 | MT 81143/MT140523         | 23.1  | 29.7   | 39.7     | 39.4   | 37.1    | 33.8 | 1.28 | 1.00 |
| MT920073 | MT81161/MT83518           | 22.3  | 28.9   | 34.2     | 33.9   | 34.9    | 30.9 | 0.92 | 0.95 |
| MT940053 | MT 81143/Blenheim         | 24.0  | 26.8   | 35.2     | 35.1   | 31.9    | 30.6 | 0.87 | 0.96 |
| MT940177 | MT860326/Clivia           | 22.4  | 28.0   | 35.3     | 34.6   | 34.4    | 31.0 | 0.99 | 0.99 |
| MT940214 | MT860756/Lewis            | 22.0  | 28.7   | 33.5     | 35.2   | 31.9    | 30.2 | 0.89 | 0.93 |
| MT950102 | MT 83533/Triumph          | 21.8  | 25.8   | 35.0     | 35.5   | 32.2    | 30.0 | 1.06 | 0.98 |
| MT950155 | MT860326/Stark            | 21.7  | 26.5   | 36.0     | 35.4   | 34.1    | 30.8 | 1.12 | 1.00 |
| MT950156 | MT860326/MT 81143//Har    | 22.7  | 27.4   | 35.4     | 35.3   | 33.3    | 30.8 | 0.98 | 0.99 |
| MT950186 | MT860756/MT83533          | 24.5  | 28.9   | 37.8     | 37.4   | 34.7    | 32.7 | 1.02 | 0.99 |
| MT960045 | Cheri/Lewis               | 23.4  | 25.1   | 31.3     | 32.0   | 28.6    | 28.1 | 0.64 | 0.92 |
| MT960082 | Harrington/Camilot//Lewis | 23.9  | 30.3   | 37.0     | 37.6   | 35.2    | 32.8 | 1.01 | 0.98 |
| MT960089 | Harrington/Clivia//Lewis  | 22.2  | 25.1   | 34.7     | 33.2   | 34.0    | 29.8 | 1.01 | 0.97 |
| MT960099 | Manley/Baronesse          | 22.1  | 24.5   | 32.2     | 33.0   | 32.4    | 28.8 | 0.90 | 0.98 |
| MT960101 | Manley/Baronesse          | 23.3  | 27.5   | 34.5     | 34.3   | 32.8    | 30.5 | 0.87 | 1.00 |
| MT960104 | Manley/Gallatin           | 24.1  | 28.5   | 36.6     | 35.0   | 33.1    | 31.5 | 0.90 | 0.98 |
| MT960140 | MT860756/Triangle         | 22.2  | 27.5   | 35.4     | 34.8   | 33.6    | 30.7 | 1.01 | 1.00 |
| MT960152 | MT861596/Gimpel           | 27.4  | 29.3   | 36.9     | 37.5   | 33.8    | 33.0 | 0.77 | 0.93 |
| MT960154 | MT861596/Triangle         | 22.7  | 28.5   | 38.2     | 36.0   | 35.8    | 32.2 | 1.14 | 0.99 |
| MT960170 | MT870246/ID 71966         | 22.5  | 27.3   | 40.2     | 38.4   | 38.7    | 33.4 | 1.41 | 0.99 |
| MT960174 | MT886609/Baronesse        | 23.9  | 27.1   | 36.3     | 35.8   | 35.3    | 31.7 | 1.02 | 0.99 |
| MT960175 | MT886609/Clark            | 26.7  | 28.6   | 39.1     | 39.6   | 37.6    | 34.3 | 1.07 | 0.96 |
| MT960178 | MT886609/Harrington       | 24.6  | 28.5   | 37.3     | 35.2   | 35.1    | 32.2 | 0.95 | 0.99 |
| MT960198 | MT886610/MT140523         | 23.0  | 27.9   | 36.4     | 34.3   | 35.2    | 31.4 | 1.00 | 0.98 |
| MT960199 | MT886610/MT140523         | 23.8  | 30.1   | 37.7     | 37.6   | 36.9    | 33.2 | 1.09 | 0.99 |
| MT960222 | Stark/Baronesse           | 24.5  | 28.3   | 38.5     | 36.7   | 35.7    | 32.7 | 1.06 | 0.99 |

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**1998 SPRING BARLEY STATEWIDE DRYLAND  
SUMMARY**

**Plant Height (inches)**

| ID                    | PEDIGREE            | Havre | Sidney | Moccasin | Conrad | Bozeman | AVG  | BYX  | RSQ  |
|-----------------------|---------------------|-------|--------|----------|--------|---------|------|------|------|
| MT960225              | Stark/Baronesse     | 24.5  | 31.3   | 37.9     | 35.4   | 34.9    | 32.8 | 0.90 | 0.94 |
| MT960226              | Stark/Baronesse     | 25.7  | 29.0   | 35.8     | 35.4   | 33.4    | 31.8 | 0.77 | 0.99 |
| MT960228              | Stark/Baronesse     | 22.6  | 27.6   | 35.0     | 34.4   | 34.6    | 30.8 | 0.98 | 0.99 |
| MTLB 2                | Lewis/Baronesse #2  | 22.6  | 26.9   | 35.3     | 37.4   | 34.3    | 31.3 | 1.10 | 0.98 |
| MTLB 5                | Lewis/Baronesse #5  | 23.8  | 27.9   | 36.2     | 37.6   | 35.5    | 32.2 | 1.06 | 0.99 |
| MTLB 6                | Lewis/Baronesse #6  | 22.6  | 27.0   | 36.3     | 37.3   | 35.5    | 31.7 | 1.16 | 0.99 |
| MTLB 13               | Lewis/Baronesse #13 | 21.4  | 26.9   | 35.8     | 35.0   | 32.5    | 30.3 | 1.07 | 0.98 |
| MTLB 30               | Lewis/Baronesse #30 | 23.2  | 29.6   | 37.9     | 36.4   | 35.7    | 32.5 | 1.08 | 0.99 |
| MTLB 57               | Lewis/Baronesse     | 20.9  | 26.8   | 36.1     | 33.7   | 35.0    | 30.5 | 1.13 | 0.97 |
| ND 9866               | Stark               | 25.8  | 30.3   | 38.3     | 37.5   | 36.9    | 33.7 | 0.97 | 1.00 |
| PI491534              | Gallatin            | 24.3  | 30.0   | 39.9     | 35.6   | 34.7    | 32.9 | 1.02 | 0.93 |
| PI568246              | Baronesse           | 22.6  | 27.2   | 35.0     | 34.0   | 31.8    | 30.1 | 0.91 | 0.98 |
| PI591823              | Chinook             | 24.4  | 28.8   | 39.2     | 37.6   | 36.7    | 33.3 | 1.13 | 0.99 |
| SK 76333              | Harrington          | 24.3  | 27.9   | 36.6     | 34.1   | 34.0    | 31.4 | 0.89 | 0.97 |
| STANUWA               | WPB Stanuwax        | 22.3  | 27.6   | 38.3     | 37.6   | 39.7    | 33.1 | 1.35 | 0.97 |
| TR 128                | Stratus             | 21.9  | 24.7   | 28.8     | 29.6   | 26.6    | 26.3 | 0.53 | 0.91 |
| ***** SITE MEAN ***** |                     | 23.9  | 28.4   | 36.6     | 36.1   | 35.1    | 32.0 | 1.00 | 1.00 |

**1998 SPRING BARLEY  
STATEWIDE DRYLAND SUMMARY**

Heading Date (days from Jan 1)

| ID       | PEDIGREE                 | Havre | Sidney | Moccasin | Conrad | Bozeman | AVG   | BYX  | RSQ  |
|----------|--------------------------|-------|--------|----------|--------|---------|-------|------|------|
| 11231-11 | Logan                    | 174.5 | 165.6  | 175.0    | 172.0  | 174.7   | 172.3 | 0.77 | 0.95 |
| 2B914947 | Merit                    | 182.0 | 170.5  | 183.7    | 177.0  | 181.3   | 178.9 | 1.04 | 0.97 |
| 96/1114  | AC 96/1114               | 177.7 | 170.8  | 184.9    | 177.0  | 182.4   | 178.5 | 1.05 | 0.93 |
| B2L20-08 | BCL20/MOREX BC2F4        | 173.9 | 164.3  | 179.3    | 172.0  | 174.6   | 172.8 | 1.08 | 0.97 |
| B2L20-22 | BCL20/MOREX BC2F4        | 174.0 | 165.1  | 176.9    | 174.0  | 175.4   | 173.1 | 0.90 | 0.95 |
| B2L20-36 | BCL20/MOREX BC2F4        | 173.9 | 164.8  | 179.9    | 173.0  | 176.9   | 173.7 | 1.12 | 0.98 |
| B2L20-39 | BCL20/MOREX BC2F4        | 173.6 | 164.6  | 175.5    | 172.0  | 175.0   | 172.1 | 0.88 | 0.98 |
| B2L20-42 | BCL20/MOREX BC2F4        | 174.9 | 165.3  | 176.8    | 174.0  | 175.4   | 173.3 | 0.89 | 0.95 |
| B2L20-46 | BCL20/MOREX BC2F4        | 173.1 | 164.7  | 175.3    | 172.0  | 175.0   | 172.0 | 0.85 | 0.97 |
| B2L32-42 | BCL32/MOREX BC2F4        | 175.1 | 166.5  | 179.1    | 173.0  | 179.8   | 174.7 | 1.04 | 0.94 |
| BA 1202  | BA 1202                  | 180.8 | 170.5  | 183.7    | 180.0  | 181.6   | 179.3 | 1.00 | 0.96 |
| BA 1614  | BA 1614                  | 175.1 | 167.8  | 180.7    | 176.0  | 180.0   | 175.9 | 0.99 | 0.92 |
| BCL32    | DH72/MOREX BCF6          | 175.5 | 167.4  | 180.6    | 175.0  | 180.6   | 175.8 | 1.05 | 0.94 |
| BZ594-19 | WPB BZ594-19             | 178.5 | 170.1  | 182.5    | 176.0  | 180.0   | 177.4 | 0.94 | 0.99 |
| BZ594-33 | WPB BZ594-33             | 177.7 | 170.5  | 185.5    | 180.0  | 181.3   | 179.0 | 1.05 | 0.89 |
| C 22     | Coors C22                | 181.2 | 173.0  | 186.7    | 176.0  | 182.5   | 179.9 | 1.01 | 0.88 |
| CI 15514 | Hector                   | 176.3 | 168.5  | 181.6    | 176.0  | 180.3   | 176.6 | 1.00 | 0.96 |
| CI 15773 | Morex                    | 173.3 | 164.4  | 177.8    | 173.0  | 175.7   | 172.8 | 1.01 | 0.98 |
| CI 15856 | Lewis                    | 180.4 | 169.0  | 181.6    | 176.0  | 180.0   | 177.4 | 1.01 | 0.97 |
| GS 1750  | GS 1750                  | 181.8 | 170.2  | 183.3    | 176.0  | 181.0   | 178.4 | 1.04 | 0.95 |
| H1851195 | MT41918/TR450            | 175.1 | 167.6  | 181.1    | 175.0  | 179.5   | 175.7 | 1.02 | 0.95 |
| H3860224 | Lewis/Apex               | 182.1 | 170.5  | 183.3    | 176.0  | 181.1   | 178.6 | 1.03 | 0.94 |
| MT910189 | ND 7293/Bearpaw          | 176.1 | 165.5  | 180.4    | 173.0  | 175.6   | 174.1 | 1.08 | 0.97 |
| MT920053 | MT 81143/MT140523        | 179.2 | 169.2  | 182.1    | 176.0  | 180.5   | 177.4 | 1.02 | 1.00 |
| MT920073 | MT81161/MT83518          | 174.9 | 167.9  | 179.6    | 174.0  | 178.4   | 174.9 | 0.90 | 0.97 |
| MT940053 | MT 81143/Blenheim        | 181.2 | 171.1  | 182.9    | 176.0  | 181.9   | 178.6 | 0.97 | 0.95 |
| MT940177 | MT860326/Clivia          | 179.0 | 169.0  | 182.5    | 175.0  | 179.8   | 177.1 | 1.04 | 0.98 |
| MT940214 | MT860756/Lewis           | 175.9 | 169.4  | 182.0    | 175.0  | 179.8   | 176.4 | 0.93 | 0.93 |
| MT950102 | MT 83533/Triumph         | 182.0 | 170.2  | 183.4    | 177.0  | 181.3   | 178.8 | 1.05 | 0.96 |
| MT950155 | MT860326/Stark           | 178.8 | 168.2  | 181.4    | 175.0  | 177.0   | 176.1 | 0.97 | 0.95 |
| MT950156 | MT860326/MT 81143//Har   | 175.6 | 166.8  | 181.7    | 175.0  | 176.1   | 175.0 | 1.03 | 0.94 |
| MT950186 | MT860756/MT83533         | 175.2 | 168.1  | 181.3    | 176.0  | 180.8   | 176.3 | 1.02 | 0.92 |
| MT960045 | Cheri/Lewis              | 181.5 | 172.3  | 185.7    | 181.0  | 182.7   | 180.6 | 0.99 | 0.97 |
| MT960082 | Harrington/Camilot//Lewi | 179.7 | 169.5  | 182.7    | 177.0  | 181.3   | 178.0 | 1.04 | 0.99 |
| MT960089 | Harrington/Clivia//Lewis | 175.5 | 167.5  | 182.1    | 174.0  | 175.7   | 174.9 | 0.99 | 0.90 |
| MT960099 | Manley/Baronesse         | 182.8 | 171.0  | 185.7    | 181.0  | 182.0   | 180.5 | 1.10 | 0.96 |
| MT960101 | Manley/Baronesse         | 182.8 | 171.2  | 185.5    | 180.0  | 181.3   | 180.2 | 1.06 | 0.96 |
| MT960104 | Manley/Gallatin          | 176.4 | 168.2  | 181.4    | 175.0  | 179.9   | 176.2 | 1.02 | 0.98 |
| MT960140 | MT860756/Triangle        | 182.0 | 170.6  | 183.7    | 177.0  | 181.0   | 178.8 | 1.03 | 0.96 |
| MT960152 | MT861596/Gimpel          | 182.5 | 172.7  | 185.5    | 182.0  | 182.9   | 181.1 | 0.96 | 0.96 |
| MT960154 | MT861596/Triangle        | 183.1 | 171.8  | 183.2    | 177.0  | 182.3   | 179.5 | 0.95 | 0.91 |
| MT960170 | MT870246/ID 71966        | 174.2 | 166.6  | 177.3    | 173.0  | 176.0   | 173.4 | 0.83 | 0.99 |
| MT960174 | MT886609/Baronesse       | 181.7 | 170.6  | 183.7    | 177.0  | 181.4   | 178.9 | 1.03 | 0.97 |
| MT960175 | MT886609/Clark           | 182.2 | 170.6  | 183.8    | 177.0  | 181.8   | 179.1 | 1.06 | 0.97 |
| MT960178 | MT886609/Harrington      | 181.7 | 171.3  | 184.0    | 181.0  | 182.0   | 180.0 | 0.98 | 0.95 |
| MT960198 | MT886610/MT140523        | 178.2 | 168.7  | 181.6    | 177.0  | 179.9   | 177.1 | 1.00 | 0.99 |
| MT960199 | MT886610/MT140523        | 176.8 | 168.9  | 181.1    | 175.0  | 178.7   | 176.1 | 0.92 | 0.99 |
| MT960222 | Stark/Baronesse          | 181.9 | 169.9  | 184.0    | 177.0  | 181.3   | 178.8 | 1.10 | 0.98 |

1998 SPRING BARLEY  
STATEWIDE DRYLAND SUMMARY

Heading Date (days from Jan 1)

| ID       | PEDIGREE            | Havre | Sidney | Moccasin | Conrad | Bozeman | AVG   | BYX  | RSQ  |
|----------|---------------------|-------|--------|----------|--------|---------|-------|------|------|
| 11231-11 | Logan               | 174.5 | 165.6  | 175.0    | 172.0  | 174.7   | 172.3 | 0.77 | 0.95 |
| MT960225 | Stark/Baronesse     | 177.7 | 168.8  | 181.0    | 176.0  | 180.2   | 176.7 | 0.97 | 0.99 |
| MT960226 | Stark/Baronesse     | 177.1 | 169.0  | 182.3    | 175.0  | 178.8   | 176.4 | 0.98 | 0.98 |
| MT960228 | Stark/Baronesse     | 180.8 | 169.5  | 182.7    | 177.0  | 181.2   | 178.2 | 1.05 | 0.98 |
| MTLB 2   | Lewis/Baronesse #2  | 179.1 | 168.8  | 183.2    | 176.0  | 180.0   | 177.4 | 1.09 | 0.99 |
| MTLB 5   | Lewis/Baronesse #5  | 181.3 | 170.4  | 183.3    | 180.0  | 181.9   | 179.4 | 1.01 | 0.96 |
| MTLB 6   | Lewis/Baronesse #6  | 179.4 | 168.6  | 181.5    | 175.0  | 180.8   | 177.0 | 1.06 | 0.98 |
| MTLB 13  | Lewis/Baronesse #13 | 180.5 | 169.1  | 182.3    | 175.0  | 180.9   | 177.6 | 1.07 | 0.96 |
| MTLB 30  | Lewis/Baronesse #30 | 180.7 | 171.6  | 183.0    | 180.0  | 181.1   | 179.3 | 0.87 | 0.96 |
| MTLB 57  | Lewis/Baronesse     | 181.5 | 169.2  | 182.4    | 175.0  | 179.1   | 177.5 | 1.03 | 0.91 |
| ND 9866  | Stark               | 174.6 | 163.6  | 174.3    | 172.0  | 174.0   | 171.7 | 0.88 | 0.91 |
| PI491534 | Gallatin            | 174.6 | 167.0  | 179.9    | 175.0  | 179.7   | 175.2 | 1.01 | 0.93 |
| PI568246 | Baronesse           | 183.0 | 170.9  | 184.8    | 177.0  | 181.5   | 179.4 | 1.08 | 0.94 |
| PI591823 | Chinook             | 175.7 | 168.7  | 181.7    | 176.0  | 180.0   | 176.4 | 0.97 | 0.94 |
| SK 76333 | Harrington          | 181.7 | 171.0  | 184.3    | 177.0  | 181.2   | 179.0 | 1.02 | 0.97 |
| STANUWA  | WPB Stanuwax        | 173.5 | 165.8  | 178.9    | 173.0  | 177.1   | 173.6 | 0.99 | 0.96 |
| TR 128   | Stratus             | 181.9 | 171.4  | 185.2    | 181.0  | 182.8   | 180.4 | 1.04 | 0.97 |
| *****    | SITE MEAN *****     | 178.3 | 168.8  | 181.8    | 176.0  | 179.6   | 176.9 | 1.00 | 1.00 |

**1998 SPRING BARLEY  
STATEWIDE SUMMARY  
IRRIGATED LOCATIONS  
YIELD ( bu/ac)**

| ID       | PEDIGREE                  | Sidney | Kalispell     |       | Conrad | Bozeman | AVG  | BYX  | RSQ |
|----------|---------------------------|--------|---------------|-------|--------|---------|------|------|-----|
|          |                           |        | High Moisture |       |        |         |      |      |     |
| 11231-11 | Logan                     | 83.7   | 107.2         | 99.6  | 96.9   | 96.8    | 0.85 | 0.68 |     |
| 2B914947 | Merit                     | 89.5   | 110.5         | 87.5  | 94.2   | 95.4    | 1.08 | 0.96 |     |
| 2B945328 | BA 2B94-5328              | 88.1   | 108.3         | 95.9  | 103.5  | 98.9    | 0.85 | 0.83 |     |
| 2B945602 | BA 2B94-5602              | 76.5   | 109.3         | 93.6  | 101.0  | 95.1    | 1.29 | 0.77 |     |
| 96/1114  | AC 96/1114                | 84.8   | 110.3         | 112.5 | 111.2  | 104.7   | 0.73 | 0.27 |     |
| BA 1202  | BA 1202                   | 88.6   | 110.9         | 85.9  | 103.5  | 97.2    | 1.16 | 0.84 |     |
| BA 1614  | BA 1614                   | 87.7   | 112.0         | 94.0  | 91.7   | 96.3    | 1.08 | 0.90 |     |
| BZ594-19 | WPB BZ594-19              | 95.9   | 111.0         | 99.0  | 96.1   | 100.5   | 0.68 | 0.81 |     |
| BZ594-33 | WPB BZ594-33              | 70.2   | 91.6          | 78.8  | 82.1   | 80.7    | 0.89 | 0.91 |     |
| C 22     | Coors C22                 | 88.0   | 96.9          | 99.5  | 109.1  | 98.4    | 0.23 | 0.06 |     |
| C37      | Coors C37                 | 87.8   | 105.4         | 92.9  | 101.3  | 96.8    | 0.77 | 0.84 |     |
| C93 1    | Galena                    | 85.8   | 94.0          | 95.2  | 101.1  | 94.0    | 0.23 | 0.12 |     |
| CI 15773 | Morex                     | 93.2   | 105.9         | 81.8  | 86.9   | 91.9    | 0.84 | 0.59 |     |
| CI 15856 | Lewis                     | 89.3   | 108.6         | 84.5  | 89.5   | 93.0    | 1.04 | 0.86 |     |
| DA592-47 | Nebula                    | 79.9   | 125.4         | 111.0 | 102.5  | 104.7   | 1.64 | 0.67 |     |
| GS 1750  | GS1750                    | 91.6   | 133.6         | 104.8 | 103.6  | 108.4   | 1.81 | 0.93 |     |
| H1851195 | MT41918/TR450             | 85.0   | 115.7         | 91.3  | 100.8  | 98.2    | 1.40 | 0.98 |     |
| H3860224 | Lewis/Apex                | 85.1   | 95.4          | 100.7 | 93.7   | 93.7    | 0.21 | 0.09 |     |
| MT910189 | ND 7293/Bearpaw           | 90.7   | 113.0         | 83.7  | 97.3   | 96.2    | 1.24 | 0.88 |     |
| MT920053 | MT 81143/MT140523         | 91.4   | 106.0         | 85.6  | 93.8   | 94.2    | 0.83 | 0.85 |     |
| MT920059 | MT 81143/VD403582         | 91.4   | 113.7         | 92.4  | 100.4  | 99.5    | 1.08 | 0.99 |     |
| MT920073 | MT 81161/MT83518          | 95.7   | 110.7         | 85.1  | 97.6   | 97.3    | 0.94 | 0.73 |     |
| MT940053 | MT 81143/Blenheim         | 85.0   | 111.4         | 101.9 | 114.8  | 103.3   | 0.98 | 0.49 |     |
| MT940082 | MT 81143/Blenheim         | 87.9   | 122.8         | 96.4  | 104.9  | 103.0   | 1.56 | 0.98 |     |
| MT940121 | MT 81143/Gimpel           | 93.8   | 114.4         | 100.9 | 104.1  | 103.3   | 0.88 | 0.95 |     |
| MT940177 | MT860326/Clivia           | 86.5   | 108.7         | 99.2  | 93.5   | 97.0    | 0.84 | 0.73 |     |
| MT940214 | MT860756/Lewis            | 93.7   | 108.3         | 100.8 | 93.5   | 99.1    | 0.58 | 0.61 |     |
| MT940218 | MT860756/Lewis            | 98.4   | 111.3         | 80.9  | 93.0   | 95.9    | 0.97 | 0.53 |     |
| MT950102 | MT 83533/Triumph          | 89.0   | 108.1         | 89.0  | 109.6  | 98.9    | 0.95 | 0.62 |     |
| MT950155 | MT860326/Stark            | 90.5   | 112.6         | 90.2  | 92.8   | 96.5    | 1.09 | 0.92 |     |
| MT950156 | MT860326/MT 81143//Har    | 88.1   | 107.2         | 83.9  | 101.8  | 95.2    | 1.03 | 0.78 |     |
| MT950186 | MT860756/MT83533          | 90.5   | 113.8         | 114.6 | 96.5   | 103.8   | 0.68 | 0.28 |     |
| MT960045 | Cheri/Lewis               | 87.1   | 116.9         | 103.6 | 94.6   | 100.6   | 1.14 | 0.72 |     |
| MT960082 | Harrington/Camilot//Lewis | 97.5   | 114.0         | 86.5  | 102.8  | 100.2   | 1.03 | 0.73 |     |
| MT960089 | Harrington/Clivia//Lewis  | 82.0   | 103.6         | 79.1  | 92.7   | 89.4    | 1.13 | 0.92 |     |
| MT960099 | Manley/Baronesse          | 95.3   | 105.6         | 103.7 | 102.8  | 101.8   | 0.35 | 0.53 |     |
| MT960101 | Manley/Baronesse          | 89.8   | 118.7         | 89.6  | 96.0   | 98.5    | 1.43 | 0.97 |     |
| MT960104 | Manley/Gallatin           | 91.6   | 106.7         | 88.4  | 92.6   | 94.8    | 0.80 | 0.88 |     |
| MT960140 | MT860756/Triangle         | 91.5   | 114.4         | 67.9  | 86.0   | 89.9    | 1.58 | 0.61 |     |
| MT960152 | MT861596/Gimpel           | 86.0   | 110.9         | 92.9  | 88.0   | 94.4    | 1.09 | 0.83 |     |
| MT960154 | MT861596/Triangle         | 87.8   | 110.2         | 80.1  | 92.5   | 92.7    | 1.26 | 0.87 |     |
| MT960170 | MT870246/ID 71966         | 90.3   | 134.4         | 106.0 | 102.1  | 108.2   | 1.86 | 0.89 |     |
| MT960174 | MT886609/Baronesse        | 86.1   | 107.0         | 77.4  | 90.7   | 90.3    | 1.20 | 0.84 |     |
| MT960175 | MT886609/Clark            | 82.5   | 105.8         | 70.1  | 96.0   | 88.6    | 1.40 | 0.72 |     |
| MT960178 | MT886609/Harrington       | 95.6   | 106.2         | 80.8  | 98.9   | 95.4    | 0.81 | 0.52 |     |

**1998 SPRING BARLEY  
STATEWIDE SUMMARY  
IRRIGATED LOCATIONS  
YIELD ( bu/ac)**

| ID       | PEDIGREE            | Sidney | Kalispell<br>High Moisture | Conrad | Bozeman | AVG   | BYX  | RSQ  |
|----------|---------------------|--------|----------------------------|--------|---------|-------|------|------|
| MT960198 | MT886610/MT140523   | 96.1   | 118.9                      | 78.7   | 96.5    | 97.6  | 1.46 | 0.71 |
| MT960199 | MT886610/MT140523   | 90.9   | 102.2                      | 79.5   | 100.3   | 93.2  | 0.78 | 0.51 |
| MT960222 | Stark/Baronesse     | 101.0  | 120.8                      | 98.5   | 95.6    | 104.0 | 1.02 | 0.72 |
| MT960225 | Stark/Baronesse     | 97.9   | 117.3                      | 100.9  | 104.9   | 105.3 | 0.90 | 1.00 |
| MT960226 | Stark/Baronesse     | 98.5   | 114.2                      | 103.8  | 87.4    | 101.0 | 0.66 | 0.32 |
| MT960228 | Stark/Baronesse     | 96.9   | 120.8                      | 112.5  | 102.6   | 108.2 | 0.87 | 0.61 |
| MTLB 2   | Lewis/Baronesse #2  | 90.7   | 111.8                      | 92.6   | 100.7   | 98.9  | 1.00 | 0.98 |
| MTLB 5   | Lewis/Baronesse #5  | 96.6   | 109.1                      | 100.8  | 102.8   | 102.3 | 0.53 | 0.95 |
| MTLB 6   | Lewis/Baronesse #6  | 89.6   | 113.8                      | 98.9   | 104.2   | 101.6 | 1.01 | 0.90 |
| MTLB 13  | Lewis/Baronesse #13 | 94.4   | 118.7                      | 90.2   | 94.6    | 99.5  | 1.27 | 0.87 |
| MTLB 30  | Lewis/Baronesse #30 | 95.9   | 112.8                      | 100.1  | 108.8   | 104.4 | 0.76 | 0.86 |
| MTLB 57  | Lewis/Baronesse #57 | 83.0   | 123.0                      | 81.2   | 90.4    | 94.4  | 2.01 | 0.95 |
| ND 9866  | Stark               | 86.2   | 115.0                      | 101.0  | 103.6   | 101.4 | 1.14 | 0.83 |
| PI491534 | Gallatin            | 95.0   | 101.6                      | 99.9   | 93.3    | 97.4  | 0.23 | 0.31 |
| PI568246 | Baronesse           | 92.1   | 121.5                      | 107.8  | 99.9    | 105.3 | 1.14 | 0.74 |
| PI591823 | Chinook             | 96.0   | 105.3                      | 72.6   | 96.2    | 92.5  | 0.92 | 0.39 |
| SK 76333 | Harrington          | 88.2   | 96.8                       | 70.3   | 89.2    | 86.1  | 0.77 | 0.42 |
| STANUW   | WPB Stanuwax        | 69.3   | 107.9                      | 80.0   | 89.1    | 86.6  | 1.70 | 0.97 |
| TR 128   | Stratus             | 90.6   | 104.1                      | 109.7  | 107.9   | 103.0 | 0.30 | 0.11 |
| *****    | SITE MEAN *****     | 89.6   | 111.0                      | 92.5   | 97.9    | 97.7  | 1.00 | 1.00 |

**1998 SPRING BARLEY  
STATEWIDE IRRIGATED SUMMARY  
PLUMP PERCENT**

| ID       | PEDIGREE                  | Sidney | Kalsipel | Conrad | Bozeman | AVG  | BYX  | RSQ  |
|----------|---------------------------|--------|----------|--------|---------|------|------|------|
| 11231-11 | Logan                     | 83.0   | 90.0     | 85.0   | 70.4    | 82.1 | 0.27 | 0.16 |
| 2B914947 | Merit                     | 85.0   | 92.0     | 64.0   | 74.6    | 78.9 | 1.00 | 1.00 |
| 2B945328 | BA 2B94-5328              | 90.0   | 92.0     | 81.0   | 81.8    | 86.2 | 0.44 | 0.92 |
| 2B945602 | BA 2B94-5602              | 82.0   | 88.0     | 71.0   | 82.5    | 80.9 | 0.53 | 0.83 |
| 96/1114  | AC 96/1114                | 86.0   | 77.0     | 61.0   | 73.9    | 74.5 | 0.68 | 0.64 |
| BA 1202  | BA 1202                   | 87.0   | 91.0     | 66.0   | 73.3    | 79.3 | 0.95 | 0.98 |
| BA 1614  | BA 1614                   | 76.0   | 93.0     | 52.0   | 66.5    | 71.9 | 1.39 | 0.97 |
| BZ594-19 | WPB BZ594-19              | 85.0   | 91.0     | 63.0   | 78.6    | 79.4 | 0.96 | 0.95 |
| BZ594-33 | WPB BZ594-33              | 55.0   | 59.0     | 43.0   | 33.9    | 47.7 | 0.73 | 0.61 |
| C 22     | Coors C22                 | 84.0   | 87.0     | 63.0   | 82.1    | 79.0 | 0.79 | 0.79 |
| C37      | Coors C37                 | 87.0   | 94.0     | 61.0   | 77.7    | 79.9 | 1.15 | 0.97 |
| C93 1    | Galena                    | 68.0   | 76.0     | 36.0   | 65.5    | 61.4 | 1.31 | 0.83 |
| CI 15773 | Morex                     | 55.0   | 85.0     | 56.0   | 51.6    | 61.9 | 0.89 | 0.49 |
| CI 15856 | Lewis                     | 79.0   | 90.0     | 48.0   | 70.5    | 71.9 | 1.43 | 0.96 |
| DA592-47 | Nebula                    | 68.0   | 91.0     | 57.0   | 66.9    | 70.7 | 1.05 | 0.80 |
| GS 1750  | GS 1750                   | 83.0   | 93.0     | 81.0   | 70.5    | 81.9 | 0.49 | 0.42 |
| H1851195 | MT41918/TR450             | 79.0   | 89.0     | 70.0   | 79.1    | 79.3 | 0.59 | 0.86 |
| H3860224 | Lewis/Apex                | 78.0   | 78.0     | 74.0   | 68.0    | 74.5 | 0.24 | 0.38 |
| MT910189 | ND 7293/Bearpaw           | 82.0   | 85.0     | 50.0   | 66.2    | 70.8 | 1.30 | 0.97 |
| MT920053 | MT 81143/MT140523         | 81.0   | 81.0     | 48.0   | 68.4    | 69.6 | 1.21 | 0.90 |
| MT920059 | MT 81143/VD403582         | 82.0   | 90.0     | 47.0   | 63.5    | 70.6 | 1.57 | 0.99 |
| MT920073 | MT 81161/MT83518          | 77.0   | 92.0     | 68.0   | 70.0    | 76.7 | 0.81 | 0.83 |
| MT940053 | MT 81143/Blenheim         | 78.0   | 85.0     | 62.0   | 70.4    | 73.8 | 0.81 | 1.00 |
| MT940082 | MT 81143/Blenheim         | 78.0   | 84.0     | 68.0   | 59.3    | 72.3 | 0.70 | 0.61 |
| MT940121 | MT 81143/Gimpel           | 88.0   | 94.0     | 88.0   | 82.6    | 88.2 | 0.23 | 0.37 |
| MT940177 | MT860326/Clivia           | 82.0   | 86.0     | 68.0   | 64.4    | 75.1 | 0.76 | 0.78 |
| MT940214 | MT860756/Lewis            | 86.0   | 90.0     | 52.0   | 55.2    | 70.8 | 1.55 | 0.90 |
| MT940218 | MT860756/Lewis            | 83.0   | 90.0     | 59.0   | 69.7    | 75.4 | 1.13 | 1.00 |
| MT950102 | MT 83533/Triumph          | 83.0   | 90.0     | 74.0   | 82.2    | 82.3 | 0.51 | 0.90 |
| MT950155 | MT860326/Stark            | 83.0   | 87.0     | 65.0   | 70.1    | 76.3 | 0.84 | 0.97 |
| MT950156 | MT860326/MT 81143//Har    | 82.0   | 87.0     | 61.0   | 65.4    | 73.9 | 1.01 | 0.96 |
| MT950186 | MT860756/MT83533          | 81.0   | 87.0     | 0.0    | 73.6    | 80.5 | 0.00 | 0.00 |
| MT960045 | Cheri/Lewis               | 65.0   | 79.0     | 38.0   | 50.4    | 58.1 | 1.45 | 0.99 |
| MT960082 | Harrington/Camilot//Lewis | 91.0   | 92.0     | 61.0   | 75.8    | 80.0 | 1.17 | 0.95 |
| MT960089 | Harrington/Clivia//Lewis  | 72.0   | 78.0     | 59.0   | 66.5    | 68.9 | 0.66 | 0.99 |
| MT960099 | Manley/Baronesse          | 73.0   | 82.0     | 50.0   | 52.9    | 64.5 | 1.23 | 0.93 |
| MT960101 | Manley/Baronesse          | 69.0   | 86.0     | 38.0   | 60.1    | 63.3 | 1.61 | 0.97 |
| MT960104 | Manley/Gallatin           | 64.0   | 86.0     | 52.0   | 57.3    | 64.8 | 1.11 | 0.83 |
| MT960140 | MT860756/Triangle         | 69.0   | 74.0     | 49.0   | 63.0    | 63.7 | 0.86 | 0.95 |
| MT960152 | MT861596/Gimpel           | 73.0   | 83.0     | 54.0   | 66.1    | 69.0 | 0.99 | 0.98 |
| MT960154 | MT861596/Triangle         | 83.0   | 79.0     | 61.0   | 72.5    | 73.9 | 0.71 | 0.81 |
| MT960170 | MT870246/ID 71966         | 53.0   | 72.0     | 41.0   | 53.3    | 54.8 | 0.95 | 0.82 |
| MT960174 | MT886609/Baronesse        | 69.0   | 70.0     | 28.0   | 54.1    | 55.3 | 1.52 | 0.90 |
| MT960175 | MT886609/Clark            | 78.0   | 86.0     | 31.0   | 72.9    | 67.0 | 1.82 | 0.82 |
| MT960178 | MT886609/Harrington       | 88.0   | 90.0     | 54.0   | 75.3    | 76.8 | 1.30 | 0.92 |
| MT960198 | MT886610/MT140523         | 70.0   | 73.0     | 28.0   | 61.5    | 58.1 | 1.55 | 0.84 |

**1998 SPRING BARLEY  
STATEWIDE IRRIGATED SUMMARY  
PLUMP PERCENT**

| ID       | PEDIGREE            | Sidney | Kalsipel | Conrad | Bozeman | AVG  | BYX  | RSQ  |
|----------|---------------------|--------|----------|--------|---------|------|------|------|
| MT960199 | MT886610/MT140523   | 83.0   | 83.0     | 48.0   | 71.6    | 71.4 | 1.26 | 0.87 |
| MT960222 | Stark/Baronesse     | 88.0   | 93.0     | 64.0   | 63.9    | 77.2 | 1.18 | 0.87 |
| MT960225 | Stark/Baronesse     | 73.0   | 88.0     | 67.0   | 58.8    | 71.7 | 0.79 | 0.61 |
| MT960226 | Stark/Baronesse     | 83.0   | 89.0     | 74.0   | 64.5    | 77.6 | 0.67 | 0.58 |
| MT960228 | Stark/Baronesse     | 83.0   | 90.0     | 79.0   | 59.5    | 77.9 | 0.59 | 0.30 |
| MTLB 2   | Lewis/Baronesse #2  | 80.0   | 90.0     | 54.0   | 75.8    | 75.0 | 1.19 | 0.91 |
| MTLB 5   | Lewis/Baronesse #5  | 82.0   | 87.0     | 52.0   | 71.6    | 73.2 | 1.24 | 0.95 |
| MTLB 6   | Lewis/Baronesse #6  | 82.0   | 88.0     | 49.0   | 84.2    | 75.8 | 1.23 | 0.69 |
| MTLB 13  | Lewis/Baronesse #13 | 75.0   | 86.0     | 60.0   | 65.5    | 71.6 | 0.92 | 0.96 |
| MTLB 30  | Lewis/Baronesse #30 | 80.0   | 83.0     | 43.0   | 77.4    | 70.8 | 1.32 | 0.74 |
| MTLB 57  | Lewis/Baronesse #57 | 81.0   | 80.0     | 38.0   | 59.1    | 64.5 | 1.60 | 0.92 |
| ND 9866  | Stark               | 86.0   | 94.0     | 85.0   | 69.0    | 83.5 | 0.45 | 0.27 |
| PI491534 | Gallatin            | 74.0   | 82.0     | 60.0   | 65.6    | 70.4 | 0.78 | 0.98 |
| PI568246 | Baronesse           | 85.0   | 88.0     | 59.0   | 72.5    | 76.1 | 1.07 | 0.97 |
| PI591823 | Chinook             | 80.0   | 82.0     | 43.0   | 60.6    | 66.4 | 1.47 | 0.96 |
| SK 76333 | Harrington          | 79.0   | 86.0     | 50.0   | 61.6    | 69.2 | 1.34 | 0.99 |
| STANUWA  | WPB Stanuwax        | 57.0   | 79.0     | 53.0   | 47.7    | 59.2 | 0.88 | 0.61 |
| TR 128   | Stratus             | 63.0   | 70.0     | 48.0   | 63.1    | 61.0 | 0.70 | 0.84 |
| *****    | SITE MEAN *****     | 77.9   | 85.2     | 57.3   | 67.2    | 71.9 | 1.00 | 1.00 |

**1998 SPRING BARLEY  
STATEWIDE IRRIGATED SUMMARY  
PLANT HEIGHT (inches)**

| ID       | PEDIGREE                  | Sidney | Kalispell | Conrad | Bozeman | AVG  | BYX   | RSQ  |
|----------|---------------------------|--------|-----------|--------|---------|------|-------|------|
| 11231-11 | Logan                     | 27.7   | 40.6      | 36.0   | 34.3    | 34.6 | 1.01  | 0.95 |
| 2B914947 | Merit                     | 28.1   | 38.2      | 34.9   | 30.3    | 32.9 | 0.88  | 0.99 |
| 2B945328 | BA 2B94-5328              | 28.9   | 44.1      | 36.5   | 32.7    | 35.5 | 1.24  | 0.97 |
| 2B945602 | BA 2B94-5602              | 28.3   | 40.2      | 37.6   | 30.7    | 34.2 | 1.07  | 0.96 |
| 96/1114  | AC 96/1114                | 28.2   | 35.4      | 34.4   | 29.1    | 31.8 | 0.67  | 0.91 |
| BA 1202  | BA 1202                   | 28.1   | 41.3      | 34.0   | 29.1    | 33.1 | 1.13  | 0.92 |
| BA 1614  | BA 1614                   | 31.4   | 46.5      | 39.9   | 33.5    | 37.8 | 1.31  | 0.97 |
| BZ594-19 | WPB BZ594-19              | 26.9   | 43.3      | 35.0   | 32.3    | 34.4 | 1.31  | 0.97 |
| BZ594-33 | WPB BZ594-33              | 20.4   | 36.2      | 30.7   | 26.0    | 28.3 | 1.31  | 1.00 |
| C 22     | Coors C22                 | 26.1   | 34.6      | 32.9   | 27.2    | 30.2 | 0.78  | 0.92 |
| C37      | Coors C37                 | 24.6   | 38.2      | 33.7   | 26.4    | 30.7 | 1.21  | 0.96 |
| C93 1    | Galena                    | 26.2   | 38.2      | 33.1   | 28.7    | 31.6 | 1.02  | 0.99 |
| CI 15773 | Morex                     | 31.5   | 44.5      | 41.8   | 37.4    | 38.8 | 1.09  | 0.97 |
| CI 15856 | Lewis                     | 27.6   | 40.6      | 38.0   | 31.9    | 34.5 | 1.13  | 0.97 |
| DA592-47 | Nebula                    | 21.3   | 35.4      | 32.8   | 26.8    | 29.1 | 1.21  | 0.97 |
| GS 1750  | GS 1750                   | 29.4   | 37.8      | 36.0   | 31.5    | 33.7 | 0.75  | 0.97 |
| H1851195 | MT41918/TR450             | 29.4   | 41.3      | 36.8   | 31.5    | 34.7 | 1.03  | 0.98 |
| H3860224 | Lewis/Apex                | 27.5   | 41.3      | 37.8   | 35.4    | 35.5 | 1.09  | 0.92 |
| MT910189 | ND 7293/Bearpaw           | 26.0   | 39.4      | 33.0   | 30.3    | 32.2 | 1.08  | 0.98 |
| MT920053 | MT 81143/MT140523         | 30.4   | 42.1      | 36.9   | 35.4    | 36.2 | 0.92  | 0.96 |
| MT920059 | MT 81143/VD403582         | 28.0   | 42.9      | 39.9   | 32.3    | 35.8 | 1.31  | 0.97 |
| MT920073 | MT 81161/MT83518          | 27.7   | 39.4      | 32.7   | 31.1    | 32.7 | 0.93  | 0.94 |
| MT940053 | MT 81143/Blenheim         | 28.6   | 39.8      | 37.1   | 30.7    | 34.1 | 1.01  | 0.96 |
| MT940082 | MT 81143/Blenheim         | 27.2   | 37.8      | 37.5   | 30.3    | 33.2 | 0.97  | 0.90 |
| MT940121 | MT 81143/Gimpel           | 28.2   | 37.8      | 34.8   | 31.9    | 33.2 | 0.79  | 0.99 |
| MT940177 | MT860326/Clivia           | 26.9   | 42.1      | 35.7   | 33.5    | 34.6 | 1.20  | 0.97 |
| MT940214 | MT860756/Lewis            | 26.9   | 39.0      | 34.5   | 29.1    | 32.4 | 1.05  | 0.98 |
| MT940218 | MT860756/Lewis            | 27.4   | 35.4      | 35.1   | 33.5    | 32.9 | 0.64  | 0.78 |
| MT950102 | MT 83533/Triumph          | 26.3   | 39.4      | 33.7   | 31.1    | 32.6 | 1.05  | 0.98 |
| MT950155 | MT860326/Stark            | 26.5   | 40.2      | 34.3   | 32.3    | 33.3 | 1.08  | 0.97 |
| MT950156 | MT860326/MT 81143//Har    | 26.2   | 38.2      | 35.7   | 30.7    | 32.7 | 1.03  | 0.98 |
| MT950186 | MT860756/MT83533          | 27.4   | 37.8      | 38.4   | 31.5    | 33.8 | 0.96  | 0.87 |
| MT960045 | Cheri/Lewis               | 26.0   | 34.6      | 31.6   | 26.8    | 29.7 | 0.77  | 0.94 |
| MT960082 | Harrington/Camilot//Lewis | 29.4   | 28.0      | 37.5   | 33.5    | 32.1 | -0.01 | 0.00 |
| MT960089 | Harrington/Clivia//Lewis  | 26.5   | 40.9      | 34.3   | 32.3    | 33.5 | 1.14  | 0.97 |
| MT960099 | Manley/Baronesse          | 25.5   | 35.8      | 34.0   | 30.3    | 31.4 | 0.87  | 0.96 |
| MT960101 | Manley/Baronesse          | 26.7   | 39.4      | 34.9   | 29.9    | 32.7 | 1.08  | 0.99 |
| MT960104 | Manley/Gallatin           | 28.5   | 43.3      | 35.3   | 31.9    | 34.7 | 1.21  | 0.96 |
| MT960140 | MT860756/Triangle         | 28.1   | 42.1      | 33.1   | 30.3    | 33.4 | 1.13  | 0.89 |
| MT960152 | MT861596/Gimpel           | 28.5   | 42.1      | 36.6   | 31.9    | 34.8 | 1.14  | 0.99 |
| MT960154 | MT861596/Triangle         | 27.3   | 39.4      | 36.3   | 31.9    | 33.7 | 1.02  | 0.99 |
| MT960170 | MT870246/ID 71966         | 30.4   | 37.4      | 37.1   | 35.4    | 35.1 | 0.56  | 0.79 |
| MT960174 | MT886609/Baronesse        | 27.6   | 40.9      | 36.5   | 32.7    | 34.4 | 1.10  | 1.00 |
| MT960175 | MT886609/Clark            | 28.8   | 42.5      | 38.0   | 36.2    | 36.4 | 1.07  | 0.93 |
| MT960178 | MT886609/Harrington       | 29.0   | 42.1      | 36.9   | 33.5    | 35.4 | 1.07  | 0.99 |
| MT960198 | MT886610/MT140523         | 27.8   | 39.0      | 35.2   | 33.5    | 33.9 | 0.89  | 0.96 |

**1998 SPRING BARLEY  
STATEWIDE IRRIGATED SUMMARY  
PLANT HEIGHT (inches)**

| ID       | PEDIGREE            | Sidney | Kalispell | Conrad | Bozeman | AVG  | BYX  | RSQ  |
|----------|---------------------|--------|-----------|--------|---------|------|------|------|
| MT960199 | MT886610/MT140523   | 30.6   | 41.7      | 37.5   | 33.9    | 35.9 | 0.93 | 1.00 |
| MT960222 | Stark/Baronesse     | 29.7   | 39.4      | 37.7   | 30.3    | 34.3 | 0.92 | 0.89 |
| MT960225 | Stark/Baronesse     | 30.0   | 46.1      | 36.3   | 33.5    | 36.4 | 1.29 | 0.92 |
| MT960226 | Stark/Baronesse     | 28.7   | 38.2      | 36.6   | 31.9    | 33.9 | 0.83 | 0.97 |
| MT960228 | Stark/Baronesse     | 28.9   | 39.4      | 34.9   | 30.3    | 33.4 | 0.91 | 0.97 |
| MTLB 2   | Lewis/Baronesse #2  | 27.5   | 39.8      | 36.3   | 31.9    | 33.9 | 1.04 | 1.00 |
| MTLB 5   | Lewis/Baronesse #5  | 28.9   | 41.7      | 36.8   | 30.7    | 34.5 | 1.12 | 0.97 |
| MTLB 6   | Lewis/Baronesse #6  | 27.1   | 39.0      | 34.0   | 31.9    | 33.0 | 0.95 | 0.98 |
| MTLB 13  | Lewis/Baronesse #13 | 28.0   | 42.5      | 30.3   | 30.3    | 32.8 | 1.10 | 0.74 |
| MTLB 30  | Lewis/Baronesse #30 | 29.0   | 42.1      | 37.2   | 31.9    | 35.1 | 1.12 | 0.99 |
| MTLB 57  | Lewis/Baronesse #57 | 28.0   | 41.3      | 32.0   | 33.1    | 33.6 | 0.98 | 0.81 |
| ND 9866  | Stark               | 30.5   | 43.3      | 36.9   | 33.5    | 36.0 | 1.06 | 0.98 |
| PI491534 | Gallatin            | 30.0   | 42.1      | 35.8   | 33.1    | 35.2 | 0.99 | 0.97 |
| PI568246 | Baronesse           | 25.7   | 39.8      | 34.3   | 31.5    | 32.8 | 1.13 | 0.98 |
| PI591823 | Chinook             | 28.5   | 41.3      | 37.5   | 33.5    | 35.2 | 1.06 | 0.99 |
| SK 76333 | Harrington          | 27.9   | 39.0      | 35.3   | 29.5    | 32.9 | 0.98 | 0.96 |
| STANUWA  | WPB Stanuwax        | 30.3   | 37.4      | 38.2   | 35.0    | 35.2 | 0.61 | 0.78 |
| TR 128   | Stratus             | 23.9   | 31.5      | 31.9   | 26.4    | 28.4 | 0.71 | 0.86 |
| *****    | SITE MEAN *****     | 27.8   | 39.7      | 35.6   | 31.6    | 33.7 | 1.00 | 1.00 |

**1998 SPRING BARLEY  
STATEWIDE IRRIGATED SUMMARY  
HEADING DATE(Days from Jan. 1)**

| ID       | PEDIGREE                | Sidney | Kalispell | Conrad | Bozeman | AVG   | BYX  | RSQ  |
|----------|-------------------------|--------|-----------|--------|---------|-------|------|------|
| 11231-11 | Logan                   | 172.9  | 167.9     | 172.0  | 176.0   | 172.2 | 0.99 | 0.97 |
| 2B914947 | Merit                   | 178.8  | 172.7     | 179.0  | 181.3   | 178.0 | 1.10 | 0.99 |
| 2B945328 | BA 2B94-5328            | 174.4  | 171.7     | 177.0  | 180.0   | 175.8 | 0.98 | 0.84 |
| 2B945602 | BA 2B94-5602            | 178.4  | 175.2     | 181.0  | 181.1   | 178.9 | 0.75 | 0.81 |
| 96/1114  | AC 96/1114              | 181.6  | 176.5     | 180.0  | 183.0   | 180.3 | 0.82 | 0.96 |
| BA 1202  | BA 1202                 | 177.9  | 173.1     | 179.0  | 181.3   | 177.8 | 1.03 | 0.98 |
| BA 1614  | BA 1614                 | 176.6  | 168.3     | 178.0  | 180.8   | 175.9 | 1.59 | 0.98 |
| BZ594-19 | WPB BZ594-19            | 176.9  | 171.8     | 177.0  | 180.7   | 176.6 | 1.09 | 0.99 |
| BZ594-33 | WPB BZ594-33            | 177.6  | 172.5     | 180.0  | 181.9   | 178.0 | 1.18 | 0.93 |
| C 22     | Coors C22               | 180.7  | 177.6     | 182.0  | 183.0   | 180.8 | 0.68 | 0.93 |
| C37      | Coors C37               | 178.3  | 175.6     | 180.0  | 182.7   | 179.1 | 0.84 | 0.88 |
| C93 1    | Galena                  | 180.7  | 180.2     | 181.0  | 183.7   | 181.4 | 0.38 | 0.65 |
| CI 15773 | Morex                   | 173.2  | 168.5     | 173.0  | 176.1   | 172.7 | 0.93 | 1.00 |
| CI 15856 | Lewis                   | 178.4  | 171.6     | 177.0  | 180.3   | 176.8 | 1.12 | 0.98 |
| DA592-47 | Nebula                  | 179.9  | 174.0     | 181.0  | 184.3   | 179.8 | 1.27 | 0.98 |
| GS 1750  | GS 1750                 | 179.3  | 172.2     | 176.0  | 181.0   | 177.1 | 1.11 | 0.89 |
| H1851195 | MT41918/TR450           | 176.2  | 170.3     | 177.0  | 178.4   | 175.5 | 1.05 | 0.97 |
| H3860224 | Lewis/Apex              | 180.1  | 174.4     | 180.0  | 181.7   | 179.1 | 0.95 | 0.98 |
| MT910189 | ND 7293/Bearpaw         | 175.5  | 169.5     | 174.0  | 178.0   | 174.3 | 1.06 | 0.98 |
| MT920053 | MT 81143/MT140523       | 178.9  | 171.5     | 177.0  | 180.6   | 177.0 | 1.17 | 0.97 |
| MT920059 | MT 81143/VD403582       | 177.9  | 172.4     | 176.0  | 180.3   | 176.6 | 0.98 | 0.95 |
| MT920073 | MT 81161/MT83518        | 174.6  | 169.7     | 174.0  | 176.0   | 173.6 | 0.81 | 0.98 |
| MT940053 | MT 81143/Blenheim       | 179.6  | 175.0     | 180.0  | 182.3   | 179.2 | 0.92 | 1.00 |
| MT940082 | MT 81143/Blenheim       | 176.8  | 172.5     | 177.0  | 181.6   | 177.0 | 1.09 | 0.94 |
| MT940121 | MT 81143/Gimpel         | 179.9  | 175.0     | 177.0  | 182.0   | 178.5 | 0.85 | 0.83 |
| MT940177 | MT860326/Clivia         | 179.5  | 172.4     | 176.0  | 180.4   | 177.1 | 1.03 | 0.87 |
| MT940214 | MT860756/Lewis          | 176.5  | 170.9     | 175.0  | 180.4   | 175.7 | 1.14 | 0.94 |
| MT940218 | MT860756/Lewis          | 173.2  | 168.9     | 175.0  | 176.1   | 173.3 | 0.91 | 0.93 |
| MT950102 | MT 83533/Triumph        | 178.8  | 173.5     | 181.0  | 181.6   | 178.7 | 1.06 | 0.91 |
| MT950155 | MT860326/Stark          | 178.4  | 171.2     | 177.0  | 176.0   | 175.7 | 0.74 | 0.61 |
| MT950156 | MT860326/MT 81143//H    | 177.4  | 170.1     | 174.0  | 177.4   | 174.7 | 0.96 | 0.85 |
| MT950186 | MT860756/MT83533        | 177.7  | 172.6     | 176.0  | 181.3   | 176.9 | 1.04 | 0.92 |
| MT960045 | Cheri/Lewis             | 178.7  | 180.0     | 181.0  | 183.3   | 180.7 | 0.31 | 0.28 |
| MT960082 | Harrington/Camilot//Le  | 178.1  | 174.0     | 180.0  | 182.0   | 178.5 | 0.99 | 0.94 |
| MT960089 | Harrington/Clivia//Lewi | 174.6  | 170.4     | 175.0  | 177.0   | 174.2 | 0.83 | 1.00 |
| MT960099 | Manley/Baronesse        | 181.3  | 174.5     | 180.0  | 182.0   | 179.4 | 0.99 | 0.95 |
| MT960101 | Manley/Baronesse        | 182.5  | 175.5     | 180.0  | 182.4   | 180.1 | 0.92 | 0.87 |
| MT960104 | Manley/Gallatin         | 176.4  | 169.8     | 177.0  | 180.4   | 175.9 | 1.33 | 0.99 |
| MT960140 | MT860756/Triangle       | 178.3  | 173.8     | 180.0  | 181.7   | 178.5 | 1.00 | 0.95 |
| MT960152 | MT861596/Gimpel         | 181.6  | 179.0     | 182.0  | 183.7   | 181.6 | 0.57 | 0.97 |
| MT960154 | MT861596/Triangle       | 180.6  | 175.8     | 181.0  | 182.7   | 180.0 | 0.88 | 0.99 |
| MT960170 | MT870246/ID 71966       | 173.4  | 168.5     | 172.0  | 177.0   | 172.7 | 1.02 | 0.93 |
| MT960174 | MT886609/Baronesse      | 182.0  | 174.4     | 180.0  | 182.0   | 179.6 | 1.02 | 0.90 |
| MT960175 | MT886609/Clark          | 180.9  | 174.9     | 181.0  | 182.3   | 179.8 | 0.96 | 0.95 |
| MT960178 | MT886609/Harrington     | 179.4  | 175.5     | 181.0  | 182.0   | 179.5 | 0.83 | 0.93 |
| MT960198 | MT886610/MT140523       | 176.1  | 170.3     | 177.0  | 178.7   | 175.5 | 1.08 | 0.97 |

**1998 SPRING BARLEY  
STATEWIDE IRRIGATED SUMMARY  
HEADING DATE(Days from Jan. 1)**

| ID       | PEDIGREE            | Sidney | Kalispell | Conrad | Bozeman | AVG   | BYX  | RSQ  |
|----------|---------------------|--------|-----------|--------|---------|-------|------|------|
| MT960199 | MT886610/MT140523   | 175.8  | 171.9     | 176.0  | 180.0   | 175.9 | 0.97 | 0.95 |
| MT960222 | Stark/Baronesse     | 179.1  | 173.1     | 177.0  | 182.0   | 177.8 | 1.09 | 0.94 |
| MT960225 | Stark/Baronesse     | 176.3  | 171.3     | 176.0  | 180.4   | 176.0 | 1.09 | 0.97 |
| MT960226 | Stark/Baronesse     | 177.1  | 170.9     | 175.0  | 181.0   | 176.0 | 1.21 | 0.93 |
| MT960228 | Stark/Baronesse     | 180.9  | 172.6     | 180.0  | 181.0   | 178.6 | 1.14 | 0.89 |
| MTLB 2   | Lewis/Baronesse #2  | 177.5  | 171.8     | 177.0  | 181.0   | 176.8 | 1.13 | 0.99 |
| MTLB 5   | Lewis/Baronesse #5  | 178.9  | 173.8     | 180.0  | 182.0   | 178.7 | 1.03 | 0.97 |
| MTLB 6   | Lewis/Baronesse #6  | 178.5  | 170.8     | 176.0  | 181.0   | 176.6 | 1.28 | 0.95 |
| MTLB 13  | Lewis/Baronesse #13 | 177.7  | 171.8     | 178.0  | 180.9   | 177.1 | 1.14 | 0.99 |
| MTLB 30  | Lewis/Baronesse #30 | 179.4  | 172.9     | 180.0  | 181.0   | 178.3 | 1.07 | 0.94 |
| MTLB 57  | Lewis/Baronesse #57 | 179.1  | 169.9     | 177.0  | 180.0   | 176.5 | 1.33 | 0.94 |
| ND 9866  | Stark               | 172.9  | 168.2     | 173.0  | 175.1   | 172.3 | 0.88 | 1.00 |
| PI491534 | Gallatin            | 176.7  | 170.3     | 175.0  | 180.6   | 175.6 | 1.26 | 0.95 |
| PI568246 | Baronesse           | 181.5  | 173.3     | 180.0  | 181.9   | 179.2 | 1.16 | 0.92 |
| PI591823 | Chinook             | 176.6  | 172.4     | 177.0  | 180.1   | 176.5 | 0.93 | 0.98 |
| SK 76333 | Harrington          | 178.8  | 175.2     | 180.0  | 181.7   | 178.9 | 0.81 | 0.96 |
| STANUW   | WPB Stanuwax        | 172.7  | 167.5     | 173.0  | 176.9   | 172.5 | 1.16 | 0.99 |
| TR 128   | Stratus             | 180.3  | 175.1     | 181.0  | 182.9   | 179.8 | 0.99 | 0.98 |
| *****    | SITE MEAN *****     | 178.0  | 172.6     | 177.8  | 180.6   | 177.2 | 1.00 | 1.00 |