



2005

**THE WESTERN REGIONAL
SPRING BARLEY NURSERY
AND
THE WESTERN REGIONAL
DRYLAND SPRING
BARLEY NURSERY**

UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESEARCH SERVICE
NORTHERN PLAINS AND PACIFIC WEST REGIONS
in cooperation with
State Agricultural Experiment Stations



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WESTERN REGIONAL SPRING BARLEY NURSERY
and the
WESTERN REGIONAL DRYLAND SPRING BARLEY NURSERY

2005

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This report is compiled in electronic format intended for transmittal to the nursery cooperators. The files and their contents are as follows:

2005WRBNREPORT.doc: WORD[®] document explaining the contents of the report with the following sections:

- Cover Page and Contents Page
- Location of Experiments and Personnel
- Western Regional Spring Barley Nursery Narrative
 - Nursery contents and locations
 - General Information
 - Data Analysis
 - Data Highlights
 - Data Tables
- Western Regional Dryland Spring Barley Nursery Narrative
 - Nursery contents and locations
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 - Data Analysis
 - Data Highlights
 - Data Tables

2005WRBNDATA.xls: Excel[®] files containing data for the 2005 Western Regional Spring Barley Nursery in both English and metric format.

2005WRDSBNDATA.xls: Excel[®] files containing data for the 2005 Western Regional Dryland Spring Barley Nursery in both English and metric format.

This is a joint progress report of cooperative investigations underway in the State Agricultural Experiment Stations and the Agricultural Research Service of the U.S. Department of Agriculture. This report contains preliminary data which have not been sufficiently confirmed to justify general release; interpretations may be modified with additional experimentation. Confirmed results will be published through established channels. This report is primarily a tool for use by cooperators, their official staffs and those persons having direct and special interest in the development of agricultural research programs.

This report includes data furnished by the State Agricultural Experiment Stations as well as by the Agricultural Research Service and was compiled in the Northern Plains Area and the Pacific West Area, Agricultural Research Service, U.S. Department of Agriculture. The report is not intended for publication and should not be referred to in literature citations nor quoted in publicity or advertising. Use of the data may be granted for certain purposes upon written request to the agency or agencies involved.

National Small Grains Germplasm Research Facility, Aberdeen, Idaho, 2006

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2005 WESTERN REGIONAL SPRING BARLEY NURSERY

This nursery is intended to be grown under irrigation, or in areas of high rainfall. It contains both 2- and 6-rowed feed and malting barley.

2005 nursery sites that were harvested and summarized for yield from 13 locations are:

- | | | |
|---------------------|--|------------------|
| (1) Tulelake, CA | (6) Fairfield, MT | (12) Pullman, WA |
| (2) Aberdeen, ID | (7) Langdon, ND | (13) Powell, WY |
| (3) Idaho Falls, ID | (8) Williston, ND | |
| (4) Twin Falls, ID | (9 & 10) Klamath Falls, OR (Mineral & Organic soils) | |
| (5) Bozeman, MT | (11) Logan, UT | |

The data for a replicated nursery at Fargo, ND was not reported due to highly variable stands from water damage. A nursery sent to Saskatoon, SK arrived too late for planting. Data from an observation nursery at Tammany, ID is included on the appropriate tables. The data from Tulelake, CA is not included in the analysis due to a missing entry.

General Information

The entry list for the 2005 Western Regional Spring Barley Nursery is shown in Table 1. In 2005, commercial cultivars were again entered into the nursery, including those from: Busch Agricultural Resources (5 lines); Plant Breeders 1 (1 line); and Western Plant Breeders (3 lines + 1 check).

There were 35 entries in this nursery in 2005. Twenty-one of the 31 entries (besides checks) in the 2004 test were dropped in 2005. These were: 2B97-4004, 94Ab13449, 98Ab12905, PB1-95-2R-522, 98-NZ 223 (Radiant), all tested 3 years; YU 598-043, MT970229, Samish 23, UT97B1480-1534, WA 8601-97, WA 10497-97, all tested 2 years; 6B98-9022, 6B98-9170, 98ID251, BZ 598-036, MT981091, MT981238, UT00B1712-627, UT00B1718-773, WA 9701-99, and 00NZ772, all tested 1 year. New entries in the test were: 2B99-2039, 2B99-2771-1, 2B99-2763-10, 99Ab11073, 01ST1587, 01ST1758, 96RWA1222, YU501-163, YU501-385, MT000047, MT000125, MT000138, ND21863, UT99B1669-3243, UT99B1670-3458, WA 7330-00, WA 15279-00, WA 10429-00, 01NZ392, and 01NZ706.

Data Analysis

Computer software, in Excel[®] format, was used to obtain the cultivar means and period of years summary for all characteristics. With this software, we were also able to calculate the coefficient of variation (C.V.) and the Least Significant Difference (LSD) at the .05 level for grain yield. These two statistics are included to provide some indication of the variability in the individual test locations and an indication of cultivar rank at each location and the overall average.

Data Highlights

Seasonal measurements for the check cultivars Baronesse, Morex, Stander, Steptoe, and Harrington (Table 2), for 2001 through 2005, show that the checks mean yield value for the 2005 season was lower than 2003 and 2004 and was slightly higher than average for the years tested.

Test weight was the lowest of the years tested, plant height was 4.9 cm taller than average, heading date was later than all years tested at 4.0 days later than average, and percent plump barley was the lowest of the years tested and 2.5% lower than average.

In 2005 the highest yielding line over all locations was YU501-85, a 2-rowed feed barley, at 6.51 Mg ha⁻¹ (Table 3). The second highest yielding entry was 99Ab11073, a 2-rowed malting barley at 6.43 Mg ha⁻¹, the third highest entry was 99NZ102, a 6-rowed feed/malting type, at 6.28 Mg ha⁻¹, and the fourth highest was Baronesse, the two-rowed feed check at 6.23 Mg ha⁻¹. The top 7 entries had statistically equal yields at the 95% confidence level. Only 2 of these entries were malting types. MT000138 had the highest test weight at 686.9 kg m⁻³ and 3 of the top 4 lines for test weight were from the Montana program. ND21863 had the highest percent plump barley at 96.8%.

In the period of years summary for 2002 through 2005 (Table 4), 99NZ102 was the highest yielding at 6.71 Mg ha⁻¹ over the last 2 years. No lines other than the checks have been tested over all of the years. Of the lines tested at least 2 years, ND19854 had the highest test weight at 675.3 kg m⁻³, and PB1-97-2R-7010 had the highest percent plump barley at 95.4%.

Tables 5 through 13 present the 2005 WRSBN data summarized over locations for grain yield, test weight, height, heading date, plump barley, thin barley, lodging, percent protein, and disease ratings, respectively.



Table 1: 2005 Western Regional Spring Barley Nursery, Entry List

Seed Source	Entry Number	Entry	Type	Parentage	Grade
WSU	1	Steptoe	6 row	CI 15229	feed
WPB	2	Baronesse	2 row	PI 568246	feed
USDA-ARS	3	Morex	6 row	CI 15773	malting
USDA-ARS	4	Stander	6 row	PI 564743	malting
USDA-ARS	5	Harrington	2 row		malting
BARI	6 *	2B99-2039	2 row	B1215// MERIT /OXBOW/3/2B88-5330//MERIT/TR129	malting
BARI	7	2B99-2316	2 row	2B91-4947//2B91-4947/2B95-8129	malting
BARI	8	2B99-2657	2 row	2B91-4947//2B91-4947/2B94-5744	malting
BARI	9 *	2B99-2771-1	2 row	MERIT // MERIT / 2B95-8129	malting
BARI	10 *	2B99-2763-10	2 row	MERIT/2B92-5065	malting
USDA-ARS	11	98Ab11993	2 row	90Ab241/Baronesse	malting
USDA-ARS	12 *	99Ab11073	2 row	Colter/M75	malting
USDA-ARS	13 *	01ST1587	2 row	Baronesse*4/STARS 9301B	feed, RWA
USDA-ARS	14 *	01ST1758	2 row	Baronesse*4/STARS 9577B	feed, RWA
USDA-ARS	15 *	96RWA1222	6 row	PI366450/Stander*2//Excel	malting, RWA
WPB	16	YU 597-432	2 row	Baronesse/Orca	feed
WPB	17 *	YU501-163	2 row	Camas//Baronesse/Globular mutant	feed
WPB	18 *	YU501-385	2 row	Baronesse/Camas	feed
MSU	19 *	MT000047	2 row	Chinook/MT920161	feed/malting
MSU	20 *	MT000125	2 row	MT910189/Lewis	feed/malting
MSU	21 *	MT000138	2 row	MT920041/Stark	feed/malting
NDSU	22	Stellar (ND16301)	6 row	Foster//ND12200(Bumper/Hazen//Azure)/6B88-3213	malting
NDSU	23	ND19854	2 row	ND15403/ND16462	malting
NDSU	24 *	ND21863	2 row	ND18172/ND19130	malting
PB1	25	PB1-97-2R-7010	2 row	PB1-88-2R-801/ND 9147	feed/malting
USU	26 *	UT99B1669-3243	6 row	UT91B706-A-259 X BU585-82	feed
USU	27 *	UT99B1670-3458	6 row	UT91B706-A-259 X DA587-170	feed
WSU	28	WA 8569-99	2 row	7190-86/Baronesse(WA 7642-92)//C2-91-45-16-3	feed/malting
WSU	29	WA 10701-99	2 row	Clivia/9448-83(WA 7758-89)//Logan	feed/malting
WSU	30 *	WA 7330-00	2 row	WA 7642-92/Baronesse (2-row feed)	feed
WSU	31 *	WA 15279-00	2 row	WA 9361-94/Baronesse	feed
WSU	32 *	WA 10429-00	2 row	WA 9156-94/Baronesse	feed
WSU	33	99NZ102	6 row	12697-94/ant643//939331-91	feed/malting
WSU	34 *	01NZ392	6 row	16230-95/ant643//BA6B-95-8253	feed/malting
WSU	35 *	01NZ706	6 row	ant643/9130-87//BA6B-95-8253	feed/malting

* new entries

Table 2: Check Seasonal Measurements (2001-2005) of the Western Regional Spring Barley Nursery

Average of adjusted means of checks Baronesse, Morex, Stander, Steptoe, and Harrington

Yield		
Year	Station Years	Mg ha ⁻¹
2004	13	6.631
2003	13	5.876
2005	12	5.674
2001	13	5.255
2002	11	4.434
Adj. Mean	62	5.609

Test Weight		
Year	Station Years	kg m ⁻³
2001	13	657.8
2004	13	657.2
2003	13	656.2
2002	11	653.2
2005	12	649.9
Adj. Mean	62	655.0

Plant Height		
Year	Station Years	cm
2004	11	90.5
2005	8	85.5
2003	12	78.7
2001	14	76.1
2002	11	75.0
Adj. Mean	56	80.6

Heading Date		
Year	Station Years	Julian
2004	10	173.9
2001	9	176.5
2002	10	177.2
2003	9	179.1
2005	9	181.5
Adj. Mean	47	177.5

Percent Plump Barley		
Year	Station Years	%
2002	10	91.4
2004	13	91.3
2003	13	88.4
2001	9	87.6
2005	11	86.7
Adj. Mean	56	89.2

Table 3: 2005 Western Regional Spring Barley Nursery, Means Summary

ENTRY NO.	CULTIVAR/ DESIGNATION	GRAIN YIELD		TEST WEIGHT	PLANT HEIGHT	HEADING DATE	PLUMP BARLEY*	THIN BARLEY**	PROTEIN
		Mg ha ⁻¹	Rank	kg m ⁻³	cm	Julian	%	%	%
Number of Locations		12		12	9	8	11	11	5
1	Steptoe, check	6.063	13	627.8	84.2	179.4	90.8	3.0	11.06
2	Baronesse, check	6.229	4	670.5	77.4	183.2	86.0	6.1	12.02
3	Morex, check	4.841	35	638.6	96.1	180.1	83.6	5.3	13.00
4	Stander, check	6.028	14	656.8	87.4	180.8	89.3	3.3	11.94
5	Harrington, check	5.210	34	655.8	82.3	183.8	83.9	6.9	12.63
6	2B99-2039	5.927	23	676.0	82.5	183.4	88.4	4.3	12.37
7	2B99-2316	5.802	28	651.3	76.6	183.3	82.0	7.1	11.97
8	2B99-2657	5.983	18	646.6	80.8	183.8	84.7	6.7	11.86
9	2B99-2771-1	6.121	11	668.4	77.2	183.3	89.6	3.8	11.64
10	2B99-2763-10	5.955	21	661.1	76.7	182.9	87.4	4.9	12.30
11	98Ab11993	6.175	7	658.8	74.1	183.3	90.3	3.9	12.04
12	99Ab11073	6.427	2	642.4	83.8	177.5	87.7	4.1	10.21
13	01ST1587	6.156	8	674.7	77.0	182.5	90.8	3.4	12.27
14	01ST1758	6.214	5	676.1	75.0	182.8	87.6	5.9	11.76
15	96RWA1222	5.544	32	638.2	87.8	182.0	86.5	4.4	11.99
16	YU 597-432	5.974	19	671.6	77.0	181.9	83.1	5.0	12.19
17	YU501-163	6.208	6	680.4	78.8	183.2	90.4	3.9	11.58
18	YU501-385	6.506	1	684.8	84.9	182.1	87.4	4.6	12.08
19	MT000047	6.017	16	683.0	82.0	182.8	86.8	4.8	12.88
20	MT000125	5.791	29	681.0	80.6	183.3	88.4	5.2	12.38
21	MT000138	5.545	31	686.9	85.8	181.7	92.5	2.4	13.33
22	Stellar (ND16301)	6.072	12	646.4	88.8	179.9	91.2	3.0	11.98
23	ND19854	5.831	26	673.0	80.0	179.5	93.3	2.3	11.18
24	ND21863	6.155	9	679.7	86.4	181.9	96.8	1.3	10.98
25	PB1-97-2R-7010	5.423	33	680.2	78.6	184.6	93.0	2.8	12.59
26	UT99B1669-3243	5.898	25	640.1	83.1	178.5	90.7	2.9	11.59
27	UT99B1670-3458	5.921	24	635.4	82.3	179.0	91.2	2.7	11.32
28	WA 8569-99	6.140	10	665.3	75.6	183.8	82.8	7.7	12.10
29	WA 10701-99	5.667	30	653.6	80.0	183.2	83.1	7.5	11.64
30	WA 7330-00	5.961	20	661.3	73.6	182.7	83.0	7.2	11.69
31	WA 15279-00	6.018	15	652.3	77.0	183.7	86.6	6.5	11.94
32	WA 10429-00	5.810	27	657.8	77.6	183.0	84.1	6.9	11.98
33	99NZ102	6.276	3	635.2	81.9	181.9	85.0	5.1	11.75
34	01NZ392	5.996	17	636.1	86.1	182.5	87.2	3.5	11.63
35	01NZ706	5.934	22	631.7	86.3	181.7	87.3	3.5	11.87
MEAN:		5.938		659.40	74.03	161.25	85.29	4.52	9.58
CHECK MEAN:		5.674		649.90	85.47	181.47	86.74	4.93	12.13
CV %		9.176		2.4	6.5	0.7	7.4	75.3	6.2
LSD (.05)		0.366		10.4	4.4	1.0	4.5	2.4	0.6

* Percent over sieve, 2-rowed >2.4mm, 6-rowed >2.2mm

** Percent through 2.2mm screen

Table 4: Summary Across Locations and Years, Western Regional Spring Barley Nursery, 2002-2005.

Entry Number	CULTIVAR/ DESIGNATION	Grain Yield			Test Weight kg m ⁻³	Plant Height cm	Heading Date Julian	Plump Barley* %	Thin Barley** %	Protein %	
		Station	Years	Mg ha ⁻¹							RANK
1	Step toe, check	49		6.179	13	632.5	84.3	175.4	91.2	3.1	11.1
2	Baronesse, check	49		6.009	20	671.1	79.0	180.2	89.2	4.5	12.7
3	Morex, check	49		5.096	35	644.4	93.1	175.6	86.2	4.6	12.9
4	Stander, check	49		5.854	28	661.3	86.8	177.2	92.5	2.5	12.1
5	Harrington, check	49		5.378	34	661.9	82.6	180.1	88.1	5.0	12.9
6	2B99-2039	12		5.927	25	676.0	96.6	183.4	88.4	4.3	12.4
7	2B99-2316	25		6.339	9	660.5	86.7	180.2	87.5	5.8	11.9
8	2B99-2657	25		6.508	5	647.2	91.0	179.7	88.4	6.3	11.8
9	2B99-2771-1	12		6.121	16	668.4	90.9	183.3	89.6	3.8	11.6
10	2B99-2763-10	12		5.955	23	661.1	89.7	182.9	87.4	4.9	12.3
11	98Ab11993	25		6.646	2	661.9	84.9	180.1	92.3	3.8	12.1
12	99Ab11073	12		6.427	7	642.4	98.1	177.5	87.7	4.1	10.2
13	01ST1587	12		6.156	14	674.7	90.3	182.5	90.8	3.4	12.3
14	01ST1758	12		6.214	11	676.1	87.6	182.8	87.6	5.9	11.8
15	96RWA1222	12		5.544	33	638.2	102.8	182.0	86.5	4.4	12.0
16	YU 597-432	25		6.560	4	674.7	88.0	178.5	90.0	3.6	12.1
17	YU501-163	12		6.208	12	680.4	92.3	183.2	90.4	3.9	11.6
18	YU501-385	12		6.506	6	684.8	99.7	182.1	87.4	4.6	12.1
19	MT000047	12		6.017	19	683.0	96.6	182.8	86.8	4.8	12.9
20	MT000125	12		5.791	30	681.0	94.9	183.3	88.4	5.2	12.4
21	MT000138	12		5.545	32	686.9	100.3	181.7	92.5	2.4	13.3
22	Stellar (ND16301)	25		6.294	10	651.7	97.6	175.8	92.7	2.5	11.8
23	ND19854	25		6.349	8	675.3	89.1	174.6	95.2	2.1	11.2
24	ND21863	12		6.155	15	679.7	101.7	181.9	96.8	1.3	11.0
25	PB1-97-2R-7010	25		6.068	17	681.1	87.5	181.4	95.4	2.3	12.7
26	UT99B1669-3243	12		5.898	27	640.1	96.1	178.5	90.7	2.9	11.6
27	UT99B1670-3458	12		5.921	26	635.4	95.3	179.0	91.2	2.7	11.3
28	WA 8569-99	25		6.578	3	665.8	85.7	180.3	86.5	6.8	12.2
29	WA 10701-99	12		5.667	31	653.6	93.0	183.2	83.1	7.5	11.6
30	WA 7330-00	12		5.961	22	661.3	86.4	182.7	83.0	7.2	11.7
31	WA 15279-00	12		6.018	18	652.3	90.3	183.7	86.6	6.5	11.9
32	WA 10429-00	12		5.810	29	657.8	91.5	183.0	84.1	6.9	12.0
33	99NZ102	25		6.708	1	631.7	90.7	177.4	85.8	4.8	11.8
34	01NZ392	12		5.996	21	636.1	99.8	182.5	87.2	3.5	11.6
35	01NZ706	12		5.934	24	631.7	101.1	181.7	87.3	3.5	11.9
	MEAN:			6.036		659.1	89.5	179.4	89.4	4.2	12.0
	CHECK MEAN:			5.703		654.2	85.2	177.7	89.5	3.9	12.4

* Percent over sieve, 2-rowed >2.4mm, 6-rowed >2.2mm

** Percent through 2.2mm screen

Table 5: 2005 Western Regional Spring Barley Nursery, Grain Yield (Mg ha⁻¹)

Entry Number	CULTIVAR/ DESIGNATION	AVERAGE*	Rank	Rank Ave	Tulelake CA	Aberdeen ID	Idaho Falls ID	Twin Falls ID	Bozeman MT	Fairfield MT	Langdon ND	Williston ND	Klamath Falls OR	Klamath Falls OR	Logan UT	Pullman WA	Powell WY
													mineral	organic			
1	Step toe	6.063	13	14.8	9.306	7.434	7.280	6.045	6.599	7.695	4.477	3.246	6.192	7.484	3.748	4.974	7.584
2	Baronesse	6.229	4	12.5	8.119	7.020	6.998	6.683	6.686	8.325	4.644	3.725	6.075	7.439	4.302	4.846	8.009
3	Morex	4.841	35	31.5	6.271	5.552	6.373	4.239	2.856	6.752	3.940	3.091	4.774	6.383	3.859	4.352	5.923
4	Stander	6.028	14	18.1	7.716	6.584	8.064	7.241	6.361	7.302	4.311	3.037	6.180	7.160	3.807	5.510	6.783
5	Harrington	5.210	34	29.9	7.391	6.058	4.890	5.058	5.972	6.198	3.956	3.037	5.695	6.811	3.817	4.347	6.676
6	2B99-2039	5.927	23	18.2	8.029	6.300	8.168	6.172	6.729	7.009	4.612	3.410	5.635	6.676	4.549	4.968	6.896
7	2B99-2316	5.802	28	19.4	8.791	6.257	7.320	6.612	7.010	6.670	3.574	3.684	6.220	7.316	3.295	4.437	7.224
8	2B99-2657	5.983	18	16.9	9.406	6.262	7.413	7.176	7.162	7.465	4.322	3.403	5.963	6.823	4.141	4.177	7.487
9	2B99-2771-1	6.121	11	13.2	8.477	6.343	8.498	6.820	6.945	6.808	4.338	3.643	6.666	7.545	4.403	5.295	6.149
10	2B99-2763-10	5.955	21	16.4	8.723	5.848	8.717	7.118	6.924	6.935	4.580	3.451	6.590	6.631	2.214	4.890	7.563
11	98Ab11993	6.175	7	11.8	8.667	6.751	6.340	6.394	6.599	7.586	4.601	3.749	6.460	8.047	5.111	4.521	7.939
12	99Ab11073	6.427	2	7.7	9.507	6.799	8.466	7.643	7.010	7.224	4.069	3.723	6.755	8.272	4.721	5.577	6.869
13	01ST1587	6.156	8	15.2	8.343	6.466	7.982	7.690	6.231	7.315	4.241	3.568	7.508	7.226	3.785	5.037	6.826
14	01ST1758	6.214	5	12.4	8.141	6.574	8.175	7.168	6.643	7.456	4.365	3.645	6.499	8.013	3.691	5.091	7.246
15	96RWA1222	5.544	32	25.3	7.749	5.612	6.926	5.995	5.366	7.994	3.929	3.097	6.227	7.419	3.363	4.411	6.192
16	YU 597-432	5.974	19	18.4	7.861	5.907	8.200	6.993	6.253	7.781	3.225	3.401	6.296	7.885	3.990	5.077	6.676
17	YU501-163	6.208	6	13.4	8.858	6.498	7.850	7.861	6.599	7.333	4.961	2.995	6.086	7.586	3.897	5.487	7.337
18	YU501-385	6.506	1	7.2	8.779	6.536	8.346	7.646	6.513	7.710	5.397	3.952	6.562	7.683	4.271	5.969	7.487
19	MT000047	6.017	16	17.5	7.447	5.649	7.897	7.130	6.989	7.322	4.671	3.809	5.971	7.016	4.265	5.112	6.369
20	MT000125	5.791	29	21.5	7.682	5.606	7.428	6.351	6.599	7.131	4.230	3.594	6.509	6.906	4.120	5.020	5.999
21	MT000138	5.545	31	25.6	7.458	5.176	7.922	7.567	6.080	5.957	3.870	3.346	6.112	6.440	3.434	5.443	5.192
22	Stellar	6.072	12	15.7	8.119	6.380	8.607	7.360	6.102	6.671	4.461	3.159	6.708	7.793	4.218	5.164	6.235
23	ND19854	5.831	26	22.1	6.640	5.778	8.064	8.316	6.167	6.306	4.069	3.525	6.184	7.087	3.295	5.088	6.090
24	ND21863	6.155	9	15.5	8.040	6.133	8.393	8.214	6.707	6.550	5.391	3.337	6.952	6.652	2.900	5.646	6.982
25	PB1-97-2R-7010	5.423	33	28.5		5.746	7.793	5.612	6.383	6.532	3.940	2.956	6.084	6.599	2.070	4.966	6.396
26	UT99B1669-3243	5.898	25	20.2	8.141	6.219	7.969	7.145	5.452	6.667	3.650	3.090	6.114	8.238	4.632	4.539	7.063
27	UT99B1670-3458	5.921	24	19.2	8.858	6.149	7.948	7.950	5.777	6.657	3.951	3.111	5.638	7.741	4.384	4.578	7.176
28	WA 8569-99	6.140	10	14.5	7.973	6.740	7.193	6.403	6.275	8.272	4.472	3.487	6.908	7.342	4.371	4.686	7.530
29	WA 10701-99	5.667	30	24.7	6.999	6.015	6.927	5.701	6.058	6.915	4.440	3.321	5.892	7.114	3.865	4.827	6.928
30	WA 7330-00	5.961	20	17.6	7.760	6.509	6.413	5.945	6.210	7.333	4.236	3.838	6.055	7.061	5.288	4.980	7.670
31	WA 15279-00	6.018	15	17.0	7.895	6.574	7.570	7.262	6.491	7.686	4.526	3.518	6.655	7.238	3.519	4.327	6.848
32	WA 10429-00	5.810	27	20.4	7.548	6.423	5.845	7.224	6.794	7.250	4.547	3.502	5.936	7.044	4.050	4.335	6.773
33	99NZ102	6.276	3	12.2	8.365	6.300	8.555	7.407	6.361	7.946	4.047	3.284	6.330	7.733	4.334	5.658	7.358
34	01NZ392	5.996	17	16.9	8.343	6.520	8.016	5.346	7.140	7.262	3.892	3.219	5.872	6.964	4.125	5.789	7.805
35	01NZ706	5.934	22	18.6	8.242	6.407	7.938	7.564	6.318	7.014	4.730	3.059	5.713	7.246	3.999	5.132	6.085
	Location Mean	5.938			8.107	6.245	7.579	6.808	6.353	7.156	4.311	3.400	6.229	7.275	3.938	4.979	6.896
	Check Mean	5.674			7.760	6.530	6.721	5.853	5.695	7.255	4.266	3.227	5.783	7.056	3.906	4.806	6.995
	C.V. (%)	9.18			7.00	5.05	7.70	13.22	6.31	7.52	8.50	6.47	1.98	1.98	12.33	3.90	11.70
	LSD .05	0.366			0.918	0.513	0.951	1.466	0.550	0.877	0.532	0.360	0.147	0.172	0.681	0.262	1.317

* Average does not include Tulelake, CA

Table 6: 2005 Western Regional Spring Barley Nursery, Test Weight (kg m⁻³)

Entry Number	CULTIVAR/ DESIGNATION	Average*	Tulelake CA	Aberdeen ID	Idaho Falls ID	Twin Falls ID	Bozeman MT	Fairfield MT	Langdon ND	Williston ND	Klamath Falls OR	Klamath Falls OR	Logan UT	Pullman WA	Powell WY
1	Step toe	627.82	653.8	664.1	593.3	624.7	650.6	619.7	592.0	586.9	mineral 681.5	organic 675.7	647.9	592.4	605.0
2	Baronesse	670.47	709.1	701.4	659.6	686.0	699.5	686.0	656.4	643.5	674.1	685.3	693.1	601.9	658.9
3	Morex	638.57	674.4	669.2	606.6	644.1	665.4	641.4	592.0	628.1	647.7	662.2	667.1	617.3	621.7
4	Stander	656.84	677.0	698.8	661.0	661.0	687.3	642.0	617.8	631.9	698.5	682.1	665.0	605.3	631.4
5	Harrington	655.81	701.4	698.8	578.4	659.2	696.3	675.0	630.6	631.9	691.1	681.5	683.7	597.6	645.6
6	2B99-2039	676.04	709.1	701.4	665.5	671.0	695.0	690.1	669.2	648.6	704.6	691.1	691.1	626.3	658.3
7	2B99-2316	651.27	702.7	691.1	650.1	670.0	691.8	671.9	604.9	625.5	701.7	678.9	636.7	554.7	638.0
8	2B99-2657	646.59	693.7	700.1	640.5	647.0	690.5	639.3	617.8	622.9	682.1	677.3	662.7	570.1	608.9
9	2B99-2771-1	668.38	704.0	701.4	671.4	654.2	686.6	680.1	643.5	638.4	704.6	695.0	681.6	617.8	646.1
10	2B99-2763-10	661.07	704.0	688.5	670.0	681.0	689.8	666.0	630.6	631.9	695.9	688.5	662.6	591.6	636.3
11	98Ab11993	658.76	700.1	700.1	649.2	663.7	678.2	684.6	643.5	629.3	675.7	688.5	675.4	568.4	648.4
12	99Ab11073	642.43	669.2	688.5	638.4	629.2	671.2	612.0	592.0	608.8	684.0	674.1	660.2	636.2	614.7
13	01ST1587	674.68	709.1	704.0	678.2	678.2	696.3	662.4	656.4	651.2	696.6	695.0	676.8	648.2	652.8
14	01ST1758	676.09	716.9	706.6	665.1	682.8	700.1	681.5	643.5	648.6	704.6	695.0	690.2	631.5	663.6
15	96RWA1222	638.16	656.4	674.4	615.6	626.9	680.8	614.7	592.0	617.8	677.6	685.3	666.4	603.2	603.3
16	YU 597-432	671.64	707.9	700.1	675.0	674.1	687.3	673.7	617.8	644.8	702.1	696.6	670.2	667.5	650.4
17	YU501-163	680.43	716.9	701.4	660.1	686.9	699.5	684.2	669.2	677.0	710.4	704.0	684.8	626.3	661.4
18	YU501-385	684.80	716.9	713.0	663.7	683.3	698.2	691.4	669.2	669.2	709.5	678.9	699.8	673.5	668.0
19	MT000047	683.02	715.6	716.9	677.7	678.8	697.6	667.3	656.4	651.2	707.9	704.0	708.9	657.7	671.9
20	MT000125	681.03	722.0	713.0	679.7	680.6	708.5	667.3	656.4	662.8	701.4	698.2	708.8	642.2	653.5
21	MT000138	686.91	720.7	713.0	686.4	699.6	709.8	686.9	630.6	660.2	701.7	704.6	704.8	676.5	668.7
22	Stellar (ND16301)	646.44	664.1	687.3	647.0	647.4	684.7	632.8	592.0	620.3	688.9	673.7	665.1	598.5	619.7
23	ND19854	672.96	702.7	706.6	653.3	662.4	680.8	658.7	617.8	665.4	701.4	692.1	695.6	683.0	658.6
24	ND21863	679.73	702.7	704.0	674.1	671.4	703.3	675.0	669.2	670.5	708.5	698.8	676.1	666.2	639.4
25	PB1-97-2R-7010	680.21		710.4	673.2	678.8	708.5	685.1	669.2	671.8	709.5	695.0	651.6	659.4	650.1
26	UT99B1669-3243	640.12	648.6	682.1	633.7	669.1	641.6	620.6	579.2	615.2	674.4	691.1	665.4	605.3	603.9
27	UT99B1670-3458	635.40	649.9	671.8	608.4	640.2	637.7	621.5	579.2	628.1	690.8	674.7	663.2	609.2	600.1
28	WA 8569-99	665.35	709.1	710.4	647.4	671.9	670.5	678.8	656.4	651.2	704.0	669.9	689.4	578.3	656.0
29	WA 10701-99	653.59	696.3	701.4	632.4	658.7	677.0	661.9	617.8	642.2	655.1	656.4	673.2	615.6	651.5
30	WA 7330-00	661.27	702.7	707.9	633.3	666.4	689.2	681.9	643.5	624.2	666.0	674.1	695.5	602.7	650.6
31	WA 15279-00	652.32	691.1	698.8	631.9	655.6	669.9	667.3	630.6	626.8	690.2	679.5	676.7	553.8	646.6
32	WA 10429-00	657.83	689.8	697.6	610.2	673.7	686.6	666.9	643.5	643.5	699.2	675.7	680.9	576.1	640.0
33	99NZ102	635.17	662.8	664.1	614.7	620.6	640.9	643.8	604.9	589.4	702.7	679.9	651.4	602.3	607.3
34	01NZ392	636.08	671.8	664.1	631.9	636.9	658.3	622.9	592.0	576.6	682.1	681.5	649.2	626.3	611.1
35	01NZ706	631.66	647.4	664.1	635.5	656.5	638.4	618.3	579.2	598.5	680.5	664.4	647.1	582.6	614.9
	Location Mean	659.40	692.4	693.69	646.07	662.62	681.93	659.22	627.32	635.26	691.62	684.24	674.81	616.17	638.35
	Check Mean	649.90	683.14	686.49	619.77	655.01	679.79	652.82	617.76	624.45	678.57	677.35	671.38	602.92	632.53
	C.V. (%)	2.35												2.31	1.20
	LSD .05	10.42												19.37	12.48

* Average does not include Tulelake, CA

Table 7: 2005 Western Regional Spring Barley Nursery, Plant Height (cm)

Entry Number	CULTIVAR/ DESIGNATION	Average*	Tulelake CA	Aberdeen ID	Idaho Falls ID	Bozeman MT	Fairfield MT	Langdon ND	Williston ND	Klamath Falls OR	Pullman WA	Powell WY
1	Steptoe	84.21	129.5	90.2	104.1	77.5	83.0	72.5	55.9	mineral 95.0	88.1	91.7
2	Baronesse	77.36	114.3	83.8	94.0	80.0	82.1	66.5	57.9	87.5	59.3	85.1
3	Morex	96.09	142.2	108.0	124.5	86.4	108.4	75.7	62.7	110.0	86.4	102.9
4	Stander	87.37	137.2	94.0	106.7	88.9	94.0	73.6	57.4	105.0	75.4	91.4
5	Harrington	82.34	119.4	87.6	106.7	86.4	83.8	69.8	64.8	90.0	64.3	87.6
6	2B99-2039	82.45	114.3	81.3	99.1	82.6	93.1	69.8	59.9	95.0	73.7	87.6
7	2B99-2316	76.56	114.3	69.9	99.1	77.5	78.7	68.4	56.4	95.0	64.3	79.8
8	2B99-2657	80.79	111.8	83.8	99.1	82.6	89.7	68.2	67.6	92.5	62.7	81.0
9	2B99-2771-1	77.16	109.2	80.0	94.0	80.0	78.7	64.9	62.7	87.5	68.6	78.0
10	2B99-2763-10	76.66	111.8	76.2	96.5	76.2	79.6	70.6	52.3	92.5	68.6	77.5
11	98Ab11993	74.11	111.8	78.7	96.5	71.1	80.4	64.2	55.6	87.5	55.9	77.0
12	99Ab11073	83.77	124.5	90.2	96.5	83.8	82.1	69.6	57.7	97.5	86.4	90.2
13	01ST1587	77.03	111.8	81.3	99.1	77.5	79.6	66.8	59.7	80.0	66.0	83.3
14	01ST1758	75.00	111.8	80.0	91.4	73.7	77.0	63.6	55.6	82.5	71.1	80.0
15	96RWA1222	87.83	121.9	101.6	106.7	87.6	95.7	65.2	56.9	95.0	88.1	93.7
16	YU 597-432	76.97	111.8	82.6	101.6	76.2	78.7	62.4	51.6	87.5	71.1	81.0
17	YU501-163	78.81	114.3	80.0	96.5	78.7	77.0	67.6	61.7	87.5	75.4	84.8
18	YU501-385	84.89	116.8	88.9	104.1	86.4	87.2	71.6	62.0	95.0	80.4	88.4
19	MT000047	82.05	121.9	87.6	99.1	85.1	91.4	69.6	58.9	92.5	68.6	85.6
20	MT000125	80.57	116.8	77.5	99.1	83.8	85.5	67.2	62.0	90.0	77.0	83.1
21	MT000138	85.79	124.5	90.2	111.8	85.1	92.3	71.7	61.0	97.5	82.1	80.5
22	Stellar (ND16301)	88.77	124.5	99.1	111.8	92.7	87.2	67.5	57.9	107.5	83.8	91.4
23	ND19854	80.05	111.8	88.9	104.1	78.7	76.2	66.0	56.9	82.5	77.9	89.2
24	ND21863	86.44	121.9	92.7	104.1	88.9	88.9	74.2	62.2	95.0	80.4	91.4
25	PB1-97-2R-7010	78.63		86.4	96.5	76.2	82.1	61.4	56.4	87.5	72.8	88.4
26	UT99B1669-3243	83.09	121.9	95.3	99.1	76.2	83.8	64.3	59.4	100.0	82.1	87.6
27	UT99B1670-3458	82.30	119.4	94.0	106.7	76.2	77.0	63.3	57.9	95.0	83.0	87.6
28	WA 8569-99	75.62	114.3	73.7	104.1	74.9	82.1	65.7	55.9	77.5	64.3	82.3
29	WA 10701-99	79.98	119.4	90.2	104.1	76.2	83.8	67.0	60.7	85.0	67.7	85.1
30	WA 7330-00	73.60	119.4	74.9	94.0	74.9	77.9	60.4	54.1	85.0	60.1	81.0
31	WA 15279-00	77.03	111.8	86.4	96.5	77.5	83.0	63.2	56.9	85.0	64.3	80.5
32	WA 10429-00	77.57	114.3	78.7	99.1	81.3	86.4	69.8	61.7	80.0	60.1	81.0
33	99NZ102	81.89	121.9	86.4	109.2	76.2	82.1	70.2	56.6	92.5	75.4	88.4
34	01NZ392	86.13	127.0	90.2	116.8	80.0	87.2	69.2	56.6	97.5	82.1	95.5
35	01NZ706	86.34	129.5	92.7	111.8	86.4	88.1	69.2	55.6	102.5	80.4	90.4
	Location Mean	74.03	119.4	86.4	102.4	80.66	84.7	67.7	58.6	91.9	73.4	86.1
	Check Mean	85.47	128.52	92.71	107.19	83.82	90.25	71.62	59.74	97.50	74.68	91.74
	C.V. (%)	6.47						4.20	6.10		6.28	6.40
	LSD _{.05}	4.35						4.10	5.84		6.28	8.89

* Average does not include Tulelake, CA

Table 8: 2005 Western Regional Spring Barley Nursery, Heading Date (Julian)

Entry Number	CULTIVAR/ DESIGNATION	Average*	Tulelake CA	Aberdeen ID	Bozeman MT	Langdon ND	Williston ND	Klamath Falls OR mineral	Klamath Falls OR organic	Pullman WA	Powell WY
1	Step toe	179.4	175	171	188	182	174	181	196	171	172
2	Baronesse	183.2	179	175	192	185	178	182	201	178	176
3	Morex	180.1	174	173	191	181	174	180	198	172	172
4	Stander	180.8	172	176	189	182	176	180	199	173	172
5	Harrington	183.8	178	177	195	184	178	182	201	178	176
6	2B99-2039	183.4	179	176	192	185	180	183	201	176	176
7	2B99-2316	183.3	179	175	193	185	179	182	199	176	177
8	2B99-2657	183.8	179	177	194	185	178	182	201	177	177
9	2B99-2771-1	183.3	179	175	195	184	179	182	201	174	177
10	2B99-2763-10	182.9	178	174	193	184	178	182	201	176	176
11	98Ab11993	183.3	178	175	195	184	179	182	201	176	176
12	99Ab11073	177.5	171	170	188	181	174	180	188	168	172
13	01ST1587	182.5	179	174	192	184	178	182	199	176	175
14	01ST1758	182.8	178	174	195	183	178	182	201	175	175
15	96RWA1222	182.0	175	174	191	184	177	181	200	175	176
16	YU 597-432	181.9	177	173	191	183	178	182	199	174	175
17	YU501-163	183.2	179	176	195	184	179	182	201	173	176
18	YU501-385	182.1	177	174	193	182	175	182	200	176	175
19	MT000047	182.8	178	174	194	184	178	182	201	175	175
20	MT000125	183.3	179	174	194	184	177	183	201	178	176
21	MT000138	181.7	174	172	191	181	177	182	200	175	176
22	Stellar (ND16301)	179.9	171	173	189	181	175	180	197	172	172
23	ND19854	179.5	172	170	192	180	174	181	195	172	172
24	ND21863	181.9	177	174	190	183	177	182	200	174	176
25	PB1-97-2R-7010	184.6		178	195	185	179	184	201	178	177
26	UT99B1669-3243	178.5	171	170	188	180	174	181	196	168	172
27	UT99B1670-3458	179.0	171	171	189	181	175	181	196	169	172
28	WA 8569-99	183.8	179	176	194	185	179	182	201	178	176
29	WA 10701-99	183.2	177	174	192	183	178	183	200	180	176
30	WA 7330-00	182.7	179	174	195	184	177	182	199	176	175
31	WA 15279-00	183.7	178	176	195	185	178	182	201	177	176
32	WA 10429-00	183.0	178	176	193	184	177	182	200	176	176
33	99NZ102	181.9	178	175	190	185	176	182	200	173	175
34	01NZ392	182.5	178	175	193	184	177	182	201	172	177
35	01NZ706	181.7	177	176	190	182	175	182	200	174	176
	Location Mean	161.25	176.00	174.00	192.17	183.10	177.03	181.64	199.06	174.60	175.03
	Check Mean	181.47	175.60	174.00	191.00	182.66	176.24	181.00	198.85	174.40	173.60
	C.V. (%)	0.75				2.00	1.70				
	LSD .05	0.99				0.90	119.60				

* Average does not include Tulelake, CA

Table 9: 2005 Western Regional Spring Barley Nursery, Percent Plump Barley*

Entry Number	CULTIVAR/ DESIGNATION	Average**	Tulelake CA	Aberdeen ID	Idaho Falls ID	Twin Falls ID	Bozeman MT	Fairfield MT	Langdon ND	Williston ND	Klamath Falls OR	Klamath Falls OR	Pullman WA	Powell WY
1	Steptoe	90.85	96.6	99.0	94.6	97.7	94.5	99.3	76.0	82.0	mineral	organic	72.0	98.5
2	Baronesse	86.01	97.0	96.0	88.6	95.9	93.5	97.8	88.0	87.5	83.3	97.8	23.0	94.7
3	Morex	83.61	89.8	86.0	92.1	97.3	94.0	98.6	66.0	85.5	82.3	93.8	26.0	98.1
4	Stander	89.29	95.0	95.0	98.9	98.7	97.5	99.2	80.0	84.5	92.2	98.7	39.0	98.6
5	Harrington	83.91	97.1	98.0	78.5	91.1	88.0	98.3	70.0	76.0	89.6	97.7	38.0	97.9
6	2B99-2039	88.44	97.4	97.0	92.2	92.2	93.0	98.5	81.0	80.0	95.0	97.7	48.0	98.3
7	2B99-2316	82.00	94.5	95.0	89.4	91.1	92.0	97.3	65.0	75.0	88.7	94.0	23.0	91.5
8	2B99-2657	84.66	94.8	96.0	88.9	88.4	89.0	97.6	69.0	78.5	88.4	96.0	47.0	92.5
9	2B99-2771-1	89.55	94.4	95.0	95.6	88.8	88.0	98.3	79.0	82.5	93.3	98.8	68.0	97.7
10	2B99-2763-10	87.40	95.8	95.0	94.8	95.9	90.0	97.7	71.0	84.0	92.8	98.9	45.0	96.4
11	98Ab11993	90.27	98.2	98.0	92.8	94.4	88.0	98.5	88.0	84.5	90.6	99.0	62.0	97.1
12	99Ab11073	87.74	95.2	96.0	92.3	94.3	94.5	96.8	64.0	75.0	90.6	98.1	69.0	94.6
13	01ST1587	90.81	97.3	98.0	95.1	96.4	94.5	98.7	92.0	89.5	92.9	99.2	45.0	97.6
14	01ST1758	87.61	96.1	97.0	90.2	93.6	94.0	98.2	87.0	85.5	91.4	98.4	32.0	96.5
15	96RWA1222	86.45	91.2	85.0	95.6	95.2	95.5	99.0	74.0	70.5	93.0	97.1	49.0	97.1
16	YU 597-432	83.14	95.5	92.0	90.3	92.5	93.5	97.6	52.0	76.0	90.5	98.2	36.0	96.0
17	YU501-163	90.38	97.8	98.0	88.9	95.0	87.5	98.3	86.0	94.0	95.4	99.1	54.0	98.0
18	YU501-385	87.44	95.6	92.0	90.4	93.3	91.5	98.2	86.0	84.5	91.5	95.8	41.0	97.7
19	MT000047	86.77	97.9	97.0	91.5	92.5	84.5	97.6	71.0	81.0	93.2	98.1	51.0	97.1
20	MT000125	88.40	97.9	98.0	93.1	93.5	92.0	98.4	87.0	89.0	93.4	98.3	32.0	97.7
21	MT000138	92.51	98.3	99.0	95.4	98.3	92.0	98.8	79.0	87.5	96.0	99.4	74.0	98.2
22	Stellar (ND16301)	91.22	94.0	96.0	98.1	98.9	98.0	99.2	88.0	84.5	95.8	99.0	47.0	98.9
23	ND19854	93.29	97.9	99.0	93.9	97.5	88.5	98.3	81.0	93.5	97.0	99.2	80.0	98.3
24	ND21863	96.81	98.5	99.0	97.5	96.9	97.0	98.9	95.0	94.5	98.1	99.2	90.0	98.8
25	PB1-97-2R-7010	93.04		99.0	93.0	96.2	96.5	99.2	93.0	90.5	94.3	99.1	64.0	98.7
26	UT99B1669-3243	90.69	96.9	97.0	98.8	98.2	92.0	99.4	81.0	87.5	91.7	99.2	54.0	98.8
27	UT99B1670-3458	91.15	94.3	97.0	96.4	98.6	91.5	99.5	78.0	86.0	93.9	99.0	64.0	98.8
28	WA 8569-99	82.76	94.8	95.0	79.2	88.6	83.5	98.0	86.0	85.0	88.7	95.6	18.0	92.8
29	WA 10701-99	83.05	95.2	97.0	81.9	91.7	85.0	96.9	72.0	82.0	81.7	96.0	34.0	95.4
30	WA 7330-00	82.97	94.2	97.0	85.9	87.4	90.0	97.8	83.0	76.0	83.2	96.3	23.0	93.0
31	WA 15279-00	86.56	94.0	96.0	77.9	94.9	86.5	97.8	80.0	90.0	89.9	99.1	45.0	95.0
32	WA 10429-00	84.05	96.8	97.0	86.3	94.6	87.0	97.4	76.0	87.5	85.4	94.7	21.0	97.6
33	99NZ102	85.03	95.3	87.0	94.3	94.7	92.5	98.9	68.0	72.0	88.3	98.1	43.0	98.5
34	01NZ392	87.17	98.1	91.0	96.4	96.9	96.0	99.5	71.0	80.5	89.0	97.5	42.0	99.1
35	01NZ706	87.30	96.5	95.0	97.2	98.3	95.5	99.1	73.0	81.5	89.9	96.1	36.0	98.8
	Location Mean	85.29	95.88	95.00	91.60	94.56	91.61	98.35	78.17	83.53	90.81	97.73	46.71	96.98
	Check Mean	86.74	95.10	94.80	90.55	96.11	93.50	98.63	76.00	83.10	86.99	97.25	39.60	97.56
	C.V. (%)	7.44								3.50				
	LSD .05	4.45								6.00				

* Percent over sieve, 2-rowed >2.4mm, 6-rowed >2.2mm

** Average does not include Tulelake, CA

Table 10: 2005 Western Regional Spring Barley Nursery, Percent Thin Barley*

Entry Number	CULTIVAR/ DESIGNATION	Average**	Tulelake CA	Idaho Falls ID	Twin Falls ID	Bozeman MT	Fairfield MT	Langdon ND	Williston ND	Klamath Falls OR mineral	Klamath Falls OR organic	Pullman WA	Powell WY
1	Steptoe	2.97	2.1	5.4	2.3	1.5	0.7	2.0	6.5	4.3	0.5	8.0	1.5
2	Baronesse	6.10	2.2	11.4	4.1	2.0	2.2	1.0	3.5	5.0	0.5	36.0	1.4
3	Morex	5.30	9.0	7.9	2.7	1.5	1.4	3.0	4.0	4.3	0.5	30.0	1.9
4	Stander	3.34	4.0	1.1	1.3	0.5	0.8	2.0	4.5	2.5	0.5	22.0	1.4
5	Harrington	6.92	2.4	21.5	8.9	5.0	1.8	3.0	8.5	3.2	0.5	23.0	0.7
6	2B99-2039	4.32	1.9	7.8	7.8	3.0	1.5	2.0	6.0	1.3	0.5	16.0	0.6
7	2B99-2316	7.07	4.5	10.6	8.9	3.5	2.7	3.0	8.5	3.6	0.5	33.0	2.4
8	2B99-2657	6.73	4.0	11.1	11.6	3.0	2.4	4.0	9.5	3.5	0.5	25.0	2.4
9	2B99-2771-1	3.84	4.6	4.4	11.2	4.0	1.7	2.0	5.0	1.8	0.5	10.0	0.7
10	2B99-2763-10	4.94	3.4	5.2	4.1	3.5	2.3	3.0	4.5	1.8	0.5	28.0	1.3
11	98Ab11993	3.85	1.4	7.2	5.6	5.0	1.5	1.0	4.5	3.0	0.5	13.0	1.0
12	99Ab11073	4.06	3.4	7.7	5.7	1.0	3.2	4.0	9.5	3.3	0.5	7.0	1.7
13	01ST1587	3.36	1.9	4.9	3.6	2.0	1.3	1.0	2.5	2.1	0.5	18.0	1.0
14	01ST1758	5.91	2.9	9.8	6.4	2.5	1.8	1.0	4.0	2.7	0.5	34.0	1.2
15	96RWA1222	4.39	7.4	4.4	4.8	1.0	1.0	2.0	11.0	1.6	0.5	16.0	2.9
16	YU 597-432	4.96	3.5	9.7	7.5	2.5	2.4	6.0	6.5	2.1	0.5	16.0	1.2
17	YU501-163	3.90	1.8	11.1	5.0	4.5	1.7	1.0	2.0	1.3	0.5	15.0	0.8
18	YU501-385	4.60	3.1	9.6	6.7	1.5	1.8	1.0	4.5	2.1	0.5	20.0	0.8
19	MT000047	4.84	1.6	8.5	7.5	5.0	2.4	3.0	5.5	1.6	0.5	17.0	1.2
20	MT000125	5.19	1.5	6.9	6.5	2.0	1.6	2.0	4.0	2.4	0.5	30.0	1.0
21	MT000138	2.40	1.2	4.6	1.7	2.0	1.2	2.0	4.5	1.3	0.5	8.0	0.6
22	Stellar (ND16301)	3.00	4.5	1.9	1.1	0.0	0.8	1.0	4.5	1.1	0.5	21.0	1.1
23	ND19854	2.32	2.0	6.1	2.5	2.0	1.7	3.0	2.0	0.9	0.5	6.0	0.8
24	ND21863	1.28	1.1	2.5	3.1	0.5	1.1	1.0	2.0	0.7	0.5	2.0	0.6
25	PB1-97-2R-7010	2.82		7.0	3.8	1.0	0.8	1.0	3.5	1.6	0.5	11.0	0.7
26	UT99B1669-3243	2.86	2.4	1.2	1.8	1.5	0.6	1.0	4.0	2.7	0.5	16.0	1.2
27	UT99B1670-3458	2.67	4.1	3.6	1.4	2.5	0.5	3.0	4.0	1.7	0.5	10.0	1.2
28	WA 8569-99	7.75	3.8	20.8	11.4	6.5	2.0	2.0	4.0	3.0	0.5	33.0	2.0
29	WA 10701-99	7.49	3.3	18.1	8.3	5.0	3.1	3.0	5.5	6.3	0.5	31.0	1.5
30	WA 7330-00	7.21	4.8	14.1	12.6	4.5	2.2	1.0	5.0	5.4	0.5	32.0	2.0
31	WA 15279-00	6.53	4.4	22.1	5.1	4.5	2.2	2.0	3.0	3.1	0.5	28.0	1.3
32	WA 10429-00	6.89	2.3	13.7	5.4	4.5	2.6	2.0	3.5	4.0	0.5	39.0	0.6
33	99NZ102	5.06	3.7	5.7	5.3	1.5	1.1	3.0	9.5	2.5	0.5	24.0	1.5
34	01NZ392	3.46	1.4	3.6	3.1	1.0	0.5	3.0	5.5	2.9	0.5	17.0	0.9
35	01NZ706	3.45	3.0	2.8	1.7	1.0	0.9	3.0	5.5	2.3	0.5	19.0	1.2
	Location Mean	4.52	3.19	8.40	5.44	2.64	1.65	2.23	5.16	2.66	0.55	20.40	1.27
	Check Mean	4.93	3.94	9.45	3.89	2.10	1.37	2.20	5.40	3.86	0.55	23.80	1.38
	C.V. (%)	75.30							21.30				33.50
	LSD .05	2.39							2.20				0.69

* Percent through 2.2mm screen

** Average does not include Tulelake, CA

Table 11: 2005 Western Regional Spring Barley Nursery, Lodging

Entry Number	CULTIVAR/ DESIGNATION	Tulelake	Aberdeen	Idaho Falls	Tammany	Twin Falls	Bozeman	Klamath Falls	Pullman
		CA	ID	ID	ID	ID	MT	OR	WA
		1-8	0-10	0-10	0-10	0-10	%	0-10	%
1	Steptoe	1.0	2.0	7.0	4.0	8.0	0.0	3.0	0.0
2	Baronesse	1.0	0.0	8.0	4.0	5.0	30.0	3.0	0.0
3	Morex	1.3	1.0	8.0	6.0	7.0	40.0	3.0	73.3
4	Stander	1.0	0.3	3.0	1.2	1.0	0.0	0.0	0.0
5	Harrington	1.0	0.0	8.0	2.0	7.0	25.0	1.0	0.0
6	2B99-2039	1.3	0.0	7.0	1.5	7.0	0.0	1.3	0.0
7	2B99-2316	1.0	0.0	6.0	2.5	6.0	0.0	1.0	0.0
8	2B99-2657	1.0	0.0	8.0	1.5	5.0	0.0	3.0	0.0
9	2B99-2771-1	1.0	0.0	1.0	1.2	4.0	0.0	0.0	0.0
10	2B99-2763-10	1.0	0.0	2.0	1.8	2.0	0.0	1.0	0.0
11	98Ab11993	1.3	0.0	6.0	2.0	4.0	25.0	2.0	0.0
12	99Ab11073	1.0	0.0	0.0	1.5	1.0	0.0	0.5	0.0
13	01ST1587	1.0	0.0	0.0	1.5	2.0	0.0	1.0	0.0
14	01ST1758	1.0	0.0	0.0	2.0	2.0	0.0	1.0	0.0
15	96RWA1222	1.0	0.0	3.0	3.5	1.0	0.0	0.0	0.0
16	YU 597-432	1.0	0.0	1.0	1.2	3.0	0.0	0.0	0.0
17	YU501-163	1.0	0.0	0.0	1.2	2.0	0.0	0.0	6.7
18	YU501-385	1.0	0.0	0.0	2.0	5.0	0.0	0.0	0.0
19	MT000047	1.0	0.0	0.0	2.5	3.0	0.0	0.0	0.0
20	MT000125	1.0	0.0	5.0	1.5	5.0	0.0	2.0	0.0
21	MT000138	1.0	0.0	2.0	1.8	0.0	0.0	1.0	0.0
22	Stellar (ND16301)	1.0	1.0	0.0	2.0	0.0	0.0	0.0	43.3
23	ND19854	1.7	0.0	1.0	1.0	0.0	0.0	0.0	0.0
24	ND21863	1.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0
25	PB1-97-2R-7010		0.0	0.0	3.0	1.0	0.0	0.0	0.0
26	UT99B1669-3243	1.0	0.3	0.0	5.0	2.0	0.0	1.0	0.0
27	UT99B1670-3458	1.0	0.3	1.0	5.0	0.0	0.0	2.0	3.3
28	WA 8569-99	1.0	0.0	7.0	1.5	2.0	10.0	0.5	0.0
29	WA 10701-99	2.0	0.0	8.0	2.0	5.0	0.0	1.0	13.3
30	WA 7330-00	1.0	0.0	8.0	2.0	0.0	0.0	2.0	5.0
31	WA 15279-00	1.0	0.0	5.0	1.8	0.0	0.0	2.0	0.0
32	WA 10429-00	1.0	0.0	8.0	2.0	3.0	0.0	2.0	0.0
33	99NZ102	1.0	0.0	8.0	4.0	6.0	0.0	0.0	0.0
34	01NZ392	1.0	0.3	8.0	3.0	6.0	0.0	0.0	0.0
35	01NZ706	1.0	1.0	6.0	5.0	4.0	0.0	1.0	0.0
	Location Mean	1.1	0.20	3.9		3.1		1.01	4.1
	Check Mean	1.06	0.67	6.80	3.44	5.60	19.00	2.00	14.67
	C.V. (%)								184.61
	LSD .05								10.41

Table 12: 2005 Western Regional Spring Barley Nursery, Percent Protein

Entry Number	CULTIVAR/ DESIGNATION	AVERAGE	Idaho Falls	Twin Falls	Bozeman	Fairfield	Williston
			ID	ID	MT	MT	ND
1	Steptoe	11.06	11.2	11.5	10.2	10.3	12.1
2	Baronesse	12.02	12.5	11.9	10.9	11.5	13.3
3	Morex	13.00	13.2	13.7	12.1	12.0	14.0
4	Stander	11.94	11.5	12.7	11.3	11.3	12.9
5	Harrington	12.63	13.7	14.0	11.0	10.9	13.6
6	2B99-2039	12.37	12.7	13.0	11.0	11.4	13.8
7	2B99-2316	11.97	12.7	13.0	10.6	10.6	13.0
8	2B99-2657	11.86	12.1	12.6	10.4	10.9	13.3
9	2B99-2771-1	11.64	12.1	12.9	10.4	9.9	12.9
10	2B99-2763-10	12.30	12.3	12.9	10.4	11.8	14.1
11	98Ab11993	12.04	12.0	12.7	10.5	11.1	13.9
12	99Ab11073	10.21	10.4	10.5	10.0	9.8	10.4
13	01ST1587	12.27	12.4	12.9	10.9	11.2	14.0
14	01ST1758	11.76	11.9	11.9	10.2	11.3	13.5
15	96RWA1222	11.99	11.4	11.9	11.0	11.5	14.2
16	YU 597-432	12.19	11.9	12.6	10.5	12.4	13.6
17	YU501-163	11.58	12.4	11.5	10.1	11.1	12.8
18	YU501-385	12.08	12.7	13.3	10.8	10.7	12.9
19	MT000047	12.88	13.0	13.4	10.9	13.2	13.9
20	MT000125	12.38	13.2	12.9	10.7	12.1	13.0
21	MT000138	13.33	13.7	14.4	11.2	13.8	13.6
22	Stellar (ND16301)	11.98	12.0	12.7	11.3	11.1	12.8
23	ND19854	11.18	12.0	12.0	10.3	10.9	10.7
24	ND21863	10.98	11.6	11.8	10.3	10.5	10.7
25	PB1-97-2R-7010	12.59	12.8	13.9	11.0	12.4	12.9
26	UT99B1669-3243	11.59	11.1	13.5	10.5	10.5	12.4
27	UT99B1670-3458	11.32	11.7	10.9	10.2	10.7	13.1
28	WA 8569-99	12.10	12.8	12.7	10.6	11.8	12.6
29	WA 10701-99	11.64	11.4	12.2	10.8	10.6	13.2
30	WA 7330-00	11.69	12.8	12.8	10.4	10.7	11.8
31	WA 15279-00	11.94	12.9	11.6	10.9	10.6	13.7
32	WA 10429-00	11.98	12.2	11.9	10.6	11.5	13.7
33	99NZ102	11.75	11.6	12.7	10.1	10.5	13.9
34	01NZ392	11.63	11.6	13.2	10.2	11.2	12.0
35	01NZ706	11.87	11.6	13.4	10.4	11.0	13.0
	Location Mean	11.94	12.20	12.61	10.63	11.22	13.01
	Check Mean	12.13	12.42	12.76	11.09	11.20	13.18
	C.V. (%)	6.15					
	LSD .05	0.61					

Table 13: 2005 Western Regional Spring Barley Nursery, Disease Ratings

Entry Number	CULTIVAR/ DESIGNATION	Tulelake CA	Tammany ID	Fairfield MT	Fairfield MT
		Stripe Rust 1 to 8	Stripe Rust % LAD	Net Blotch 0-10	Scald 0-10
1	Step toe	8.0	80	1.7	0.0
2	Baronesse	1.0	60	0.0	3.3
3	Morex	3.3	90	2.3	2.7
4	Stander	2.0	80	3.0	1.0
5	Harrington	1.0	35	8.0	0.0
6	2B99-2039	1.3	25	1.3	1.0
7	2B99-2316	1.7	55	1.0	0.0
8	2B99-2657	1.0	45	0.0	0.0
9	2B99-2771-1	1.7	50	0.0	0.0
10	2B99-2763-10	2.3	65	0.0	0.0
11	98Ab11993	1.0	15	1.3	2.7
12	99Ab11073	6.0	95	3.7	3.0
13	01ST1587	2.7	70	0.0	1.3
14	01ST1758	2.3	45	0.0	4.3
15	96RWA1222	3.7	85	0.0	3.3
16	YU 597-432	1.0	18	4.0	2.0
17	YU501-163	1.7	50	5.3	2.3
18	YU501-385	3.0	65	0.0	3.0
19	MT000047	1.3	40	5.0	2.7
20	MT000125	1.0	70	0.0	0.0
21	MT000138	2.0	15	7.7	2.7
22	Stellar (ND16301)	3.3	80	0.0	2.7
23	ND19854	1.7	15	6.3	0.0
24	ND21863	4.0	85	1.7	5.0
25	PB1-97-2R-7010		75	2.7	2.7
26	UT99B1669-3243	7.3	75	0.0	2.0
27	UT99B1670-3458	8.0	60	0.0	3.0
28	WA 8569-99	1.0	20	1.3	1.7
29	WA 10701-99	1.7	75	6.3	1.3
30	WA 7330-00	2.3	25	2.3	0.0
31	WA 15279-00	1.3	20	4.7	0.0
32	WA 10429-00	1.3	8	2.3	0.0
33	99NZ102	3.7	50	6.0	1.0
34	01NZ392	1.0	45	3.7	1.3
35	01NZ706	2.0	65	3.0	0.0
Location Mean		2.6	52.89	2.42	1.60

WESTERN REGIONAL SPRING DRYLAND BARLEY NURSERY, 2005

This nursery is intended to be grown under dryland conditions. It contains both 2- and 6-rowed feed and malting barley. 2005 nursery sites that were harvested and summarized for yield from 9 locations are:

- | | | |
|---------------------|------------------|------------------|
| 1) Potlatch, ID | 5) Conrad, MT | 9) Williston, ND |
| 2) Soda Springs, ID | 6) Fargo, ND | |
| 3) Tetonia, ID | 7) Hettinger, ND | |
| 4) Bozeman, MT | 8) Minot, ND | |

The data for a replicated nursery at Fargo, ND was not reported due to highly variable stands from water damage. A nursery sent to Saskatoon, SK arrived too late for planting. Data from an observation nursery at Tammany, ID is included on the appropriate tables.

General Information

The entry list for the 2005 Western Regional Dryland Spring Barley Nursery is shown in Table 14. In 2005, commercial cultivars were again entered into the nursery, including those from: Busch Agricultural Resources (5 lines), and Plant Breeders 1 (1 line).

There were 28 entries in this nursery in 2005. Entries in the 2004 test that were dropped in 2004 were: 95Ab11469 and 98Ab11993, tested 4 years, 2B97-4004, tested 3 years; 98ID251, MT970229, ND19119, PB1-95-2R-522, Samish 23, and UT97B1480-1534, all tested 2 years; 6B98-9022, 6B98-9170, MT981091, and MT981238, all tested 1 year. Of the 28 entries in the 2005 test 17 were new. These included the checks Baroness, Morex, Harrington, Legacy and Conlon, and the lines 2B99-2039, 2B99-2771-1, 2B99-2763-10, 98BX28-44B, 98BX28-58B, 01ST1587, 01ST1758, MT000047, MT000125, MT000138, ND21863, and UT99B1669-3243.

Data Analysis

Computer software, in Excel[®] format, was used to obtain the cultivar means and period of years summary for all characteristics. With this software, we were also able to calculate the coefficient of variation (C.V.) and the Least Significant Difference (LSD) at the .05 level for grain yield. These two statistics are included to provide some indication of the variability in the individual test locations and an indication of cultivar rank at each location and the overall average.

Data Highlights

This year's nursery results can not be compared to previous years as a completely different set of check cultivars was used (except for Steptoe).

In 2005 the highest yielding line over locations was ND19854, a 2-rowed malting barley, at 3.81 Mg ha⁻¹ (Table 15). 98Ab11720, a 2-row feed barley was the second highest yielding line. The next three highest yielding lines were checks. The top 11 lines were statistically equal, of which 6 were malting barley types.

In the period of years summary for 2002 through 2005 (Table 16), 98Ab11720, a 2-rowed feed type, was the highest yielding over 2 years. Only 2 lines were in the nursery for more than 2 years. 98BX28-44B had the highest test weight and the highest percent plump.

Table 15: 2005 Western Regional Dryland Spring Barley Nursery, Means Summary

Entry No.	Variety or Selection	Grain Yield		Test Weight	Plant Height	Heading Date	Plump Barley*	Thin Barley**	Protein
		Mg ha ⁻¹	Rank	kg m ⁻³	cm	Julian	%	%	%
	Number of Locations	8		8	7	7	7	7	4
1	Steptoe	3.643	4	577.3	72.4	181.1	83.8	6.8	12.9
2	Baronesse	3.642	5	623.1	64.1	186.2	70.1	13.0	15.8
3	Morex	3.119	24	604.8	79.3	180.9	68.3	18.2	15.2
4	Harrington	3.171	23	609.8	68.4	186.0	64.5	14.6	15.9
5	Legacy	3.082	26	590.7	73.9	183.1	64.9	21.7	15.3
6	Conlon	3.646	3	649.1	71.8	157.5	90.1	2.2	13.9
7	2B99-2039	3.517	12	623.5	69.0	186.2	68.4	12.8	15.6
8	2B99-2316	3.399	17	601.3	67.5	186.0	67.6	13.1	15.1
9	2B99-2657	3.387	18	596.2	72.3	185.7	69.1	13.1	16.0
10	2B99-2771-1	3.498	13	622.6	65.9	185.5	69.4	12.2	15.0
11	2B99-2763-10	3.312	19	596.1	64.9	185.2	69.2	12.8	16.1
12	94Ab13449	3.285	20	610.9	68.8	180.6	80.4	11.2	12.9
13	98Ab11720	3.668	2	613.9	64.4	186.7	64.7	15.0	14.0
14	98Ab11993	3.461	14	612.3	63.7	186.7	75.5	8.4	15.9
15	98BX27-132	2.912	28	639.7	71.9	178.4	89.9	2.6	17.0
16	98BX28-44B	3.118	25	662.8	74.6	179.7	95.0	1.2	16.4
17	98BX28-58B	2.982	27	642.6	75.6	180.8	93.9	1.4	16.6
18	01ST1587	3.520	11	631.2	65.1	185.0	80.8	7.4	16.1
19	01ST1758	3.573	8	628.3	63.5	185.9	72.1	11.5	15.8
20	MT000047	3.528	10	634.1	70.5	184.3	70.2	11.1	15.6
21	MT000125	3.615	6	648.7	72.8	184.3	78.9	8.0	14.9
22	MT000138	3.581	7	650.2	72.2	182.2	84.4	5.5	16.2
23	Stellar (ND16301)	3.217	22	604.0	72.5	180.8	80.5	11.2	14.6
24	ND19854	3.807	1	649.1	70.1	180.7	85.8	3.6	12.9
25	ND21863	3.559	9	645.6	73.6	183.4	88.4	3.7	13.6
26	PB1-97-2R-7010	3.453	15	641.1	64.6	187.1	84.5	4.9	14.8
27	UT97B1480-1632	3.428	16	616.2	73.5	179.0	73.7	11.6	14.0
28	UT99B1669-3243	3.261	21	594.8	71.3	180.0	80.1	8.7	13.6
	LOCATION MEAN:	3.407		622.1	67.4	176.0	74.4	9.2	13.1
	CHECK MEAN:	3.384		609.1	71.6	179.2	73.6	12.8	14.8
	CV %	10.27		3.3	6.4	6.1	14.7	78.0	5.8
	LSD (.05)	0.288		17.05	3.79	9.41	9.60	6.34	0.88

* Percent over sieve, 2-rowed >2.4mm, 6-rowed >2.2mm

** Percent through 2.2mm screen

Table 16: Summary Across Locations and Years, Western Regional Dryland Spring Barley Nursery, 2002-2005.

ENTRY NO.	CULTIVAR/ DESIGNATION	STATION YEARS	YIELD		TEST WEIGHT	PLANT HEIGHT	HEADING DATE	PLUMP BARLEY*	THIN BARLEY**	PROTIEN
			Mg ha ⁻¹	Rank	kg m ⁻³	cm	julian	%	%	%
1	Step toe	36	4.058	7	597.4	72.2	182.0	85.6	6.5	12.3
2	Baronesse	8	3.642	10	623.1	64.1	186.2	70.1	13.0	15.8
3	Morex	8	3.119	25	604.8	79.3	180.9	68.3	18.2	15.2
4	Harrington	8	3.171	24	609.8	68.4	186.0	64.5	14.6	15.9
5	Legacy	8	3.082	27	590.7	73.9	183.1	64.9	21.7	15.3
6	Conlon	8	3.646	9	649.1	71.8	157.5	90.1	2.2	13.9
7	2B99-2039	8	3.517	17	623.5	69.0	186.2	68.4	12.8	15.6
8	2B99-2316	8	3.399	19	601.3	67.5	186.0	67.6	13.1	15.1
9	2B99-2657	19	4.371	4	618.4	72.3	185.2	79.2	11.3	14.8
10	2B99-2771-1	8	3.498	18	622.6	65.9	185.5	69.4	12.2	15.0
11	2B99-2763-10	8	3.312	21	596.1	64.9	185.2	69.2	12.8	16.1
12	94Ab13449	19	4.289	5	632.1	74.0	179.9	83.9	7.7	12.0
13	98Ab11720	19	4.734	1	641.3	68.9	185.9	77.0	13.3	13.6
14	98Ab11993	36	3.853	8	630.0	65.3	186.3	83.4	8.4	15.3
15	98BX27-132	19	3.385	20	644.7	76.7	178.0	93.0	2.6	16.0
16	98BX28-44B	8	3.118	26	662.8	74.6	179.7	95.0	1.2	16.4
17	98BX28-58B	8	2.982	28	642.6	75.6	180.8	93.9	1.4	16.6
18	01ST1587	8	3.520	16	631.2	65.1	185.0	80.8	7.4	16.1
19	01ST1758	8	3.573	13	628.3	63.5	185.9	72.1	11.5	15.8
20	MT000047	8	3.528	15	634.1	70.5	184.3	70.2	11.1	15.6
21	MT000125	8	3.615	11	648.7	72.8	184.3	78.9	8.0	14.9
22	MT000138	8	3.581	12	650.2	72.2	182.2	84.4	5.5	16.2
23	Stellar (ND16301)	8	3.217	23	604.0	72.5	180.8	80.5	11.2	14.6
24	ND19854	19	4.588	2	659.4	75.4	179.5	91.8	3.1	12.2
25	ND21863	8	3.559	14	645.6	73.6	183.4	88.4	3.7	13.6
26	PB1-97-2R-7010	19	4.496	3	658.0	69.6	186.1	91.1	3.8	14.0
27	UT97B1480-1632	27	4.098	6	630.2	76.8	178.7	77.2	11.5	13.3
28	UT99B1669-3243	8	3.261	22	594.8	71.3	180.0	80.1	8.7	13.6
	OBSERVATION MEAN:		3.840		628.3	71.1	182.4	81.3	8.7	14.6
	CHECK MEAN:		3.676		606.9	71.8	180.3	78.4	10.5	14.2

* Percent over sieve, 2-rowed >2.4mm, 6-rowed >2.2mm

** Percent through 2.2mm screen

Table 17: 2005 Western Regional Dryland Spring Barley Nursery, Grain Yield (Mg ha⁻¹)

ENTRY NO.	CULTIVAR/ DESIGNATION	Average	Rank	Rank Average	Potlatch ID	Soda Springs ID	Tetonia ID	Bozeman MT	Conrad MT	Hettinger ND	Minot ND	Williston ND
1	Steptoe	3.643	4	8.5	4.22	3.30	3.06	4.81	4.84	2.38	3.16	3.39
2	Baronesse	3.642	5	9.9	4.59	3.41	2.94	4.64	4.38	2.09	3.44	3.65
3	Morex	3.119	24	20.9	3.57	2.77	2.96	3.71	4.23	2.35	2.42	2.94
4	Harrington	3.171	23	20	4.03	3.17	2.73	3.91	4.01	1.55	2.82	3.15
5	Legacy	3.082	26	21	3.63	3.13	2.46	3.14	4.23	2.24	2.73	3.09
6	Conlon	3.646	3	8.4	4.54	3.00	3.29	4.72	4.88	2.50	2.52	3.70
7	2B99-2039	3.517	12	12.3	4.28	3.20	2.42	4.40	4.24	2.41	3.52	3.65
8	2B99-2316	3.399	17	15.3	3.90	3.53	2.86	4.77	4.10	1.48	3.05	3.50
9	2B99-2657	3.387	18	13.9	4.39	3.41	2.74	4.24	4.25	0.86	3.62	3.58
10	2B99-2771-1	3.498	13	13.1	3.62	3.28	2.60	4.92	4.29	2.10	3.42	3.74
11	2B99-2763-10	3.312	19	16.6	3.94	3.77	2.92	4.21	4.31	1.25	2.72	3.38
12	94Ab13449	3.285	20	16.9	3.47	3.02	2.35	4.09	4.62	2.29	2.92	3.52
13	98Ab11720	3.668	2	9	4.48	3.53	2.99	4.80	5.29	1.85	2.66	3.73
14	98Ab11993	3.461	14	12.3	3.97	3.49	2.99	4.41	4.55	1.46	3.32	3.50
15	98BX27-132	2.912	28	23.1	3.00	1.97	2.39	4.01	4.55	2.00	2.27	3.10
16	98BX28-44B	3.118	25	21.5	3.68	2.63	2.88	4.17	4.36	2.20	2.25	2.78
17	98BX28-58B	2.982	27	22.4	3.23	2.24	2.67	4.03	4.15	2.48	2.27	2.79
18	01ST1587	3.520	11	12.8	4.50	3.48	2.97	4.57	4.01	2.33	2.82	3.48
19	01ST1758	3.573	8	10.4	4.50	3.40	2.77	4.60	4.49	2.37	2.82	3.63
20	MT000047	3.528	10	12.4	4.49	2.90	2.62	4.85	4.33	2.59	2.81	3.63
21	MT000125	3.615	6	10.5	3.89	3.11	3.21	5.09	4.45	2.23	3.43	3.51
22	MT000138	3.581	7	10.6	4.12	2.94	3.47	5.19	4.45	2.39	2.52	3.56
23	Stellar (ND16301)	3.217	22	18.5	3.92	2.66	2.18	3.90	4.44	2.38	2.91	3.34
24	ND19854	3.807	1	6.6	3.88	3.12	3.53	5.47	4.93	2.88	2.93	3.73
25	ND21863	3.559	9	13.8	4.19	3.04	2.53	4.78	4.36	2.32	3.95	3.31
26	PB1-97-2R-7010	3.453	15	13.8	4.08	2.70	3.06	4.83	4.43	1.99	3.13	3.40
27	UT97B1480-1632	3.428	16	13.3	3.50	2.99	2.98	4.88	4.78	2.14	2.31	3.84
28	UT99B1669-3243	3.261	21	18.6	3.44	2.84	2.89	4.53	4.42	2.32	2.50	3.16
	LOCATION MEAN:	3.407			3.96	3.12	2.90	4.49	4.39	2.12	2.90	3.42
	CHECK MEAN:	3.384			4.10	3.13	2.91	4.15	4.43	2.19	2.85	3.32
	CV %	10.27			8.30	7.10	9.48	8.32	3.79	13.60	11.90	5.32
	LSD (.05)	0.288			0.53	0.36	0.44	0.61	0.27	0.47	0.47	0.30

Table 18: 2005 Western Regional Dryland Spring Barley Nursery, Test Weight (kg m⁻³)

ENTRY NO.	CULTIVAR/ DESIGNATION	Average	Rank	Potlatch ID	Soda Springs ID	Tetonia ID	Hettinger ND	Minot ND	Williston ND	Bozeman MT	Conrad MT
1	Steptoe	577.3	28	602.3	615.2	617.8	455.6	604.9	597.2	568.9	557.0
2	Baronesse	623.1	14	680.8	665.4	670.5	510.9	630.6	648.6	615.2	562.9
3	Morex	604.8	21	668.0	637.1	635.8	534.1	617.8	626.8	576.6	542.5
4	Harrington	609.8	20	687.3	664.1	678.2	440.2	643.5	637.1	574.0	553.8
5	Legacy	590.7	27	655.1	648.6	613.9	490.3	630.6	621.6	547.0	518.4
6	Conlon	649.1	4	715.6	640.9	670.5	544.4	669.2	668.0	638.4	645.6
7	2B99-2039	623.5	13	682.1	649.9	677.0	500.6	630.6	644.8	620.3	582.9
8	2B99-2316	601.3	23	677.0	644.8	675.7	428.6	617.8	624.2	601.0	541.2
9	2B99-2657	596.2	24	670.5	652.5	680.8	397.7	617.8	622.9	577.9	549.3
10	2B99-2771-1	622.6	15	689.8	653.8	677.0	474.9	656.4	646.1	607.5	575.2
11	2B99-2763-10	596.1	25	675.7	638.4	655.1	420.8	630.6	616.5	581.7	549.8
12	94Ab13449	610.9	19	693.7	644.8	652.5	482.6	617.8	635.8	598.5	561.5
13	98Ab11720	613.9	17	689.8	666.7	653.8	489.1	617.8	608.8	626.8	558.4
14	98Ab11993	612.3	18	670.5	674.4	649.9	481.3	643.5	629.3	588.2	561.5
15	98BX27-132	639.7	9	702.7	669.2	661.5	532.8	643.5	640.9	661.5	605.7
16	98BX28-44B	662.8	1	711.7	687.3	691.1	599.7	643.5	649.9	680.8	638.4
17	98BX28-58B	642.6	7	700.1	670.5	669.2	557.3	630.6	639.6	665.4	608.4
18	01ST1587	631.2	11	693.7	669.2	669.2	535.4	643.5	642.2	634.5	561.5
19	01ST1758	628.3	12	693.7	670.5	664.1	504.5	630.6	648.6	635.8	578.4
20	MT000047	634.1	10	714.3	665.4	664.1	507.1	617.8	644.8	653.8	605.7
21	MT000125	648.7	5	711.7	684.7	686.0	527.7	643.5	662.8	661.5	612.0
22	MT000138	650.2	2	725.9	670.5	682.1	529.0	643.5	657.7	674.4	618.8
23	Stellar (ND16301)	604.0	22	689.8	644.8	621.6	510.9	630.6	615.2	579.2	539.8
24	ND19854	649.1	3	720.7	653.8	687.3	557.3	604.9	670.5	671.8	626.5
25	ND21863	645.6	6	720.7	664.1	678.2	495.5	669.2	678.2	652.5	606.6
26	PB1-97-2R-7010	641.1	8	688.5	644.8	695.0	518.7	656.4	670.5	664.1	591.1
27	UT97B1480-1632	616.2	16	634.5	651.2	649.9	491.6	630.6	639.6	631.9	599.7
28	UT99B1669-3243	594.8	26	635.8	639.6	613.9	490.3	592.0	622.9	628.1	535.6
	LOCATION MEAN:	622.14		683.40	655.08	663.06	500.64	632.47	639.68	622.03	578.14
	CHECK MEAN:	609.14		668.17	645.22	647.79	495.92	632.78	633.20	586.66	563.36
	CV %	3.33									
	LSD (.05)	17.05									

Table 19: 2005 Western Regional Dryland Spring Barley Nursery, Plant Height (cm)

ENTRY NO.	CULTIVAR/ DESIGNATION	Average	Rank	Soda Springs ID	Tetonia ID	Hettinger ND	Minot ND	Williston ND	Bozeman MT	Conrad MT
1	Steptoe	72.43	20	57.15	66.89	70.0	69.3	56.90	95.33	91.44
2	Baronesse	64.12	3	49.53	55.88	66.0	54.0	60.71	84.00	78.74
3	Morex	79.25	28	76.20	72.81	78.0	67.7	65.79	92.66	101.60
4	Harrington	68.36	10	54.61	55.03	72.0	61.7	68.33	83.01	83.82
5	Legacy	73.89	25	62.23	67.73	75.0	68.3	61.21	91.34	91.44
6	Conlon	71.83	16	66.04	69.43	80.0	50.3	61.72	81.33	93.98
7	2B99-2039	69.01	12	58.42	60.11	70.0	61.0	64.01	85.67	83.82
8	2B99-2316	67.47	9	55.88	58.42	70.0	62.3	62.74	81.66	81.28
9	2B99-2657	72.27	19	55.88	55.03	79.0	72.0	69.60	88.01	86.36
10	2B99-2771-1	65.95	8	53.34	60.96	70.0	58.7	58.42	84.00	76.20
11	2B99-2763-10	64.89	6	57.15	60.11	67.0	54.3	55.12	84.33	76.20
12	94Ab13449	68.79	11	60.96	60.96	73.0	60.0	55.37	89.99	81.28
13	98Ab11720	64.43	4	55.88	53.34	57.0	58.3	58.67	84.00	83.82
14	98Ab11993	63.69	2	57.15	58.42	58.0	53.7	52.32	84.99	81.28
15	98BX27-132	71.89	17	59.69	64.35	80.0	53.3	63.25	88.67	93.98
16	98BX28-44B	74.62	26	67.31	69.43	74.0	56.7	65.02	93.35	96.52
17	98BX28-58B	75.56	27	68.58	71.12	80.0	56.3	69.34	94.67	88.90
18	01ST1587	65.11	7	54.61	60.96	70.0	54.3	58.67	81.00	76.20
19	01ST1758	63.52	1	54.61	56.73	68.0	48.0	57.40	83.67	76.20
20	MT000047	70.47	14	58.42	63.50	70.0	62.7	60.45	89.33	88.90
21	MT000125	72.79	22	60.96	68.58	73.0	60.3	61.21	94.01	91.44
22	MT000138	72.24	18	62.23	69.43	75.0	59.7	61.72	88.67	88.90
23	Stellar (ND16301)	72.50	21	63.50	66.04	74.0	60.3	59.44	95.33	88.90
24	ND19854	70.10	13	62.23	64.35	78.0	54.7	63.25	84.33	83.82
25	ND21863	73.64	24	60.96	66.89	75.0	69.7	67.31	94.34	81.28
26	PB1-97-2R-7010	64.61	5	44.45	50.80	76.0	58.0	57.91	86.33	78.74
27	UT97B1480-1632	73.51	23	64.77	67.73	77.0	59.3	64.26	97.66	83.82
28	UT99B1669-3243	71.31	15	62.23	70.27	74.0	56.3	60.45	94.67	81.28
	LOCATION MEAN:	67.39		58.42	63.50	73.00	59.30	61.45	88.44	85.36
	CHECK MEAN:	71.65		60.96	64.63	73.50	61.88	62.44	87.94	90.17
	CV %	6.40					9.40	6.40	4.34	
	LSD (.05)	3.79					7.60	6.60	6.27	

Table 20: 2005 Western Regional Dryland Spring Barley Nursery, Heading Date (Julian)

ENTRY NO.	CULTIVAR/ DESIGNATION	Average	Rank	Potlatch ID	Soda Springs ID	Tetonia ID	Hettinger ND	Minot ND	Williston ND	Bozeman MT
1	Steptoe	181.1	11	167	201	192	173	179	174	182
2	Baronesse	186.2	25	172	206	199	180	181	178	188
3	Morex	180.9	10	163	202	194	174	178	174	182
4	Harrington	186.0	23	171	206	198	181	183	178	186
5	Legacy	183.1	13	164	204	195	176	181	178	184
6	Conlon	157.5	1	161	201	189	171	28	174	179
7	2B99-2039	186.2	24	172	207	198	178	182	178	188
8	2B99-2316	186.0	22	172	205	199	179	182	179	186
9	2B99-2657	185.7	20	172	204	197	183	182	176	187
10	2B99-2771-1	185.5	19	174	205	195	179	182	178	186
11	2B99-2763-10	185.2	18	169	205	197	183	181	176	185
12	94Ab13449	180.6	6	161	201	193	173	180	174	182
13	98Ab11720	186.7	27	174	208	200	180	182	174	189
14	98Ab11993	186.7	26	173	205	200	182	182	178	187
15	98BX27-132	178.4	2	161	198	189	170	180	173	178
16	98BX28-44B	179.7	4	163	199	190	172	180	174	180
17	98BX28-58B	180.8	8	165	201	192	172	180	174	182
18	01ST1587	185.0	17	172	205	197	179	179	178	186
19	01ST1758	185.9	21	173	205	198	180	182	177	187
20	MT000047	184.3	15	167	207	198	178	181	176	184
21	MT000125	184.3	16	170	205	195	178	181	176	186
22	MT000138	182.2	12	165	204	194	174	180	176	183
23	Stellar (ND16301)	180.8	9	162	201	192	175	180	174	182
24	ND19854	180.7	7	164	202	192	172	181	175	180
25	ND21863	183.4	14	166	203	194	178	181	178	184
26	PB1-97-2R-7010	187.1	28	173	210	198	179	182	179	189
27	UT97B1480-1632	179.0	3	160	198	192	172	179	173	180
28	UT99B1669-3243	180.0	5	161	201	191	173	179	174	182
	LOCATION MEAN:	176.04		168.00	203.00	195.00	177.00	180.70	175.91	184.20
	CHECK MEAN:	179.16		166.00	203.17	194.50	175.83	155.05	175.80	183.78
	CV %	6.08						3.10	1.70	0.30
	LSD (.05)	9.41						1.20	2.47	0.91

Table 21: 2005 Western Regional Dryland Spring Barley Nursery, Percent Plump Barley*

ENTRY NO.	CULTIVAR/ DESIGNATION	Average	Rank	Potlatch ID	Soda Springs ID	Tetonia ID	Minot ND	Williston ND	Bozeman MT	Conrad MT
1	Steptoe	83.77	9	72.0	94.0	75.0	78.0	86.0	86.6	94.8
2	Baronesse	70.09	19	75.0	92.0	68.0	76.0	87.5	31.4	60.7
3	Morex	68.32	24	66.0	85.0	43.0	71.0	86.0	60.9	66.3
4	Harrington	64.48	28	72.0	93.0	75.0	47.0	75.5	22.1	66.8
5	Legacy	64.87	26	52.0	90.0	41.0	75.0	75.5	43.6	77.0
6	Conlon	90.13	3	98.0	98.0	89.0	81.0	95.5	70.9	98.5
7	2B99-2039	68.35	23	69.0	96.0	68.0	70.0	78.5	32.1	64.9
8	2B99-2316	67.59	25	67.0	92.0	70.0	65.0	73.0	41.7	64.4
9	2B99-2657	69.09	22	70.0	93.0	72.0	68.0	73.0	35.4	72.2
10	2B99-2771-1	69.43	20	72.0	87.0	69.0	79.0	80.0	26.4	72.6
11	2B99-2763-10	69.24	21	74.0	97.0	68.0	70.0	77.5	31.3	66.8
12	94Ab13449	80.42	12	75.0	91.0	59.0	80.0	79.0	91.1	87.9
13	98Ab11720	64.71	27	65.0	93.0	52.0	66.0	76.0	27.5	73.5
14	98Ab11993	75.47	15	78.0	99.0	71.0	83.0	81.0	30.9	85.4
15	98BX27-132	89.89	4	97.0	96.0	76.0	90.0	92.5	82.2	95.5
16	98BX28-44B	94.95	1	99.0	99.0	92.0	91.0	95.0	91.1	97.6
17	98BX28-58B	93.90	2	98.0	99.0	88.0	88.0	93.5	93.5	97.3
18	01ST1587	80.78	10	89.0	98.0	74.0	88.0	87.5	53.1	75.8
19	01ST1758	72.12	17	78.0	96.0	69.0	75.0	83.5	40.3	63.1
20	MT000047	70.24	18	84.0	95.0	59.0	59.0	79.0	40.7	75.0
21	MT000125	78.91	14	86.0	96.0	72.0	75.0	90.0	56.1	77.3
22	MT000138	84.44	8	97.0	95.0	75.0	79.0	86.0	74.7	84.4
23	Stellar (ND16301)	80.55	11	83.0	92.0	54.0	89.0	84.5	72.8	88.5
24	ND19854	85.82	6	98.0	98.0	79.0	60.0	93.0	77.8	95.0
25	ND21863	88.38	5	97.0	97.0	77.0	82.0	95.0	74.9	95.8
26	PB1-97-2R-7010	84.51	7	84.0	98.0	83.0	83.0	91.0	69.5	83.1
27	UT97B1480-1632	73.65	16	39.0	95.0	59.0	65.0	76.5	88.0	93.1
28	UT99B1669-3243	80.12	13	57.0	97.0	57.0	78.0	85.5	95.6	90.7
	LOCATION MEAN:	74.43		77.00	95.00	69.00	75.39	84.16	58.65	80.85
	CHECK MEAN:	73.61		72.50	92.00	65.17	71.33	84.33	52.58	77.35
	CV %	14.67						4.50		
	LSD (.05)	9.60						7.80		

* Percent over sieve, 2-rowed >2.4mm, 6-rowed >2.2mm

Table 22: 2005 Western Regional Dryland Spring Barley Nursery, Percent Thin Barley*

ENTRY NO.	CULTIVAR/ DESIGNATION	Average	Rank	Potlatch ID	Soda Springs ID	Tetonia ID	Minot ND	Williston ND	Bozeman MT	Conrad MT
1	Steptoe	6.82	9	10.0	2.0	8.0	3.0	5.5	14.0	5.2
2	Baronesse	13.02	22	6.0	2.0	14.0	4.0	3.5	22.4	39.3
3	Morex	18.16	27	9.0	2.0	31.0	4.0	3.0	44.4	33.7
4	Harrington	14.65	25	6.0	1.0	8.0	10.0	9.0	35.3	33.2
5	Legacy	21.66	28	17.0	1.0	40.0	3.0	7.5	60.1	23.0
6	Conlon	2.24	3	1.0	0.0	3.0	4.0	1.5	4.7	1.5
7	2B99-2039	12.76	20	9.0	1.0	12.0	4.0	7.0	21.2	35.1
8	2B99-2316	13.14	24	10.0	1.0	10.0	7.0	9.0	19.4	35.6
9	2B99-2657	13.10	23	10.0	1.0	11.0	6.0	12.0	23.9	27.8
10	2B99-2771-1	12.22	19	8.0	2.0	12.0	4.0	5.5	26.7	27.4
11	2B99-2763-10	12.78	21	8.0	0.0	14.0	5.0	7.0	22.3	33.2
12	94Ab13449	11.20	16	6.0	2.0	21.0	2.0	7.0	28.3	12.1
13	98Ab11720	14.98	26	8.0	1.0	27.0	6.0	9.0	27.3	26.5
14	98Ab11993	8.45	12	6.0	0.0	12.0	2.0	6.0	18.5	14.6
15	98BX27-132	2.61	4	1.0	1.0	7.0	1.0	2.0	1.8	4.5
16	98BX28-44B	1.20	1	0.0	0.0	2.0	1.0	2.0	1.0	2.4
17	98BX28-58B	1.38	2	0.0	0.0	2.0	2.0	2.5	0.5	2.7
18	01ST1587	7.42	10	2.0	0.0	11.0	2.0	3.5	9.3	24.2
19	01ST1758	11.51	17	4.0	1.0	15.0	5.0	5.0	13.6	36.9
20	MT000047	11.10	14	3.0	1.0	22.0	8.0	7.0	11.7	25.0
21	MT000125	7.96	11	2.0	1.0	13.0	5.0	3.5	8.5	22.7
22	MT000138	5.49	8	1.0	1.0	10.0	3.0	5.0	2.8	15.6
23	Stellar (ND16301)	11.18	15	4.0	1.0	27.0	1.0	4.5	29.3	11.5
24	ND19854	3.61	5	0.0	0.0	7.0	8.0	2.5	2.7	5.0
25	ND21863	3.72	6	1.0	1.0	11.0	3.0	2.0	3.8	4.2
26	PB1-97-2R-7010	4.89	7	3.0	0.0	5.0	2.0	3.0	4.3	16.9
27	UT97B1480-1632	11.60	18	28.0	1.0	18.0	6.0	9.5	11.8	6.9
28	UT99B1669-3243	8.71	13	15.0	1.0	24.0	3.0	4.5	4.2	9.3
	LOCATION MEAN:	9.24		7.00	1.00	14.00	4.07	5.32	16.92	19.15
	CHECK MEAN:	12.76		8.17	1.33	17.33	4.67	5.00	30.15	22.65
	CV %	77.96						36.60		
	LSD (.05)	6.34						3.90		

*Percent through 2.2mm screen

Table 23: 2005 Western Regional Dryland Spring Barley Nursery, Lodging

ENTRY NO.	CULTIVAR/ DESIGNATION	Potlatch ID	Soda Springs ID	Tammany ID	Tetonia ID	Hettinger ND	Bozeman MT
		0-10*	0-10*	0-10*	0-10*	0-5	0-10*
1	Steptoe	1.7	0.0	4.0	0.3	1.0	2.0
2	Baronesse	0.0	0.0	4.0	0.0	0.0	0.0
3	Morex	4.0	0.0	6.0	2.0	1.0	3.3
4	Harrington	0.0	0.0	2.0	0.3	1.0	1.7
5	Legacy	5.7	0.0	7.0	0.0	1.0	3.3
6	Conlon	0.0	0.0	4.0	1.3	2.0	1.7
7	2B99-2039	0.0	0.0	1.5	0.0	1.0	0.3
8	2B99-2316	0.0	0.0	2.5	0.0	0.0	1.7
9	2B99-2657	0.0	0.0	1.5	0.0	1.0	1.3
10	2B99-2771-1	0.0	0.0	1.2	0.3	0.0	0.0
11	2B99-2763-10	0.3	0.0	1.8	0.0	0.0	0.7
12	94Ab13449	1.3	0.0	1.5	0.0	1.0	1.3
13	98Ab11720	0.0	0.0	1.5	0.0	0.0	0.0
14	98Ab11993	0.0	0.0	2.0	0.7	1.0	2.0
15	98BX27-132	5.0	0.0	9.0	4.0	5.0	6.0
16	98BX28-44B	6.0	0.0	5.0	3.3	5.0	4.7
17	98BX28-58B	7.0	0.0	6.0	4.3	5.0	5.0
18	01ST1587	0.0	0.0	1.5	0.0	0.0	0.3
19	01ST1758	0.0	0.0	2.0	0.0	1.0	0.0
20	MT000047	0.0	0.0	2.5	0.0	1.0	1.3
21	MT000125	0.3	0.0	1.5	0.0	0.0	1.7
22	MT000138	0.0	0.0	1.8	0.0	1.0	0.7
23	Stellar (ND16301)	0.3	0.0	2.0	0.0	1.0	3.3
24	ND19854	0.0	0.0	1.0	0.0	0.0	0.0
25	ND21863	0.0	0.0	3.0	0.3	1.0	0.0
26	PB1-97-2R-7010	0.0	0.0	3.0	0.0	0.0	0.3
27	UT97B1480-1632	1.3	0.0	3.5	0.0	1.0	1.7
28	UT99B1669-3243	0.7	0.0	5.0	0.0	1.0	3.3
	LOCATION MEAN:	1.10	0.00		0.60	1.00	1.7
	CV %						44.59
	LSD (.05)						1.24

* 0.0 to 10.0 where 0.0 = no lodging, 10.0 = complete lodging,

Table 24: 2005 Western Regional Dryland Spring Barley Nursery, Percent Protein

ENTRY NO.	CULTIVAR/ DESIGNATION	Average	Rank	Hettinger ND	Williston ND	Bozeman MT	Conrad MT
1	Steptoe	12.90	26	12.0	12.0	13.6	14.0
2	Baronesse	15.80	10	15.7	13.1	16.5	17.9
3	Morex	15.23	15	14.5	13.3	16.1	17.0
4	Harrington	15.93	8	15.7	13.0	17.5	17.5
5	Legacy	15.28	14	14.7	13.3	16.8	16.3
6	Conlon	13.90	23	13.9	11.5	15.1	15.1
7	2B99-2039	15.58	13	16.1	12.9	15.9	17.4
8	2B99-2316	15.10	16	14.8	12.5	15.4	17.7
9	2B99-2657	15.95	7	17.4	12.7	16.1	17.6
10	2B99-2771-1	15.00	17	15.2	11.7	16.2	16.9
11	2B99-2763-10	16.10	5	16.5	13.2	16.6	18.1
12	94Ab13449	12.88	27	12.7	10.7	14	14.1
13	98Ab11720	13.98	21	16.0	10.1	15.8	14.0
14	98Ab11993	15.93	9	16.7	13.4	16.4	17.2
15	98BX27-132	17.00	1	15.8	16.0	17.4	18.8
16	98BX28-44B	16.38	3	15.2	15.2	17.5	17.6
17	98BX28-58B	16.63	2	15.8	15.3	17	18.4
18	01ST1587	16.10	6	16.1	14.1	16.3	17.9
19	01ST1758	15.78	11	15.8	13.6	16.1	17.6
20	MT000047	15.60	12	15.8	13.1	16.3	17.2
21	MT000125	14.85	18	15.2	12.5	15.1	16.6
22	MT000138	16.23	4	16.4	14.6	16.3	17.6
23	Stellar (ND16301)	14.55	20	13.8	13.1	15.5	15.8
24	ND19854	12.85	28	13.3	10.8	13.2	14.1
25	ND21863	13.58	24	14.0	11.3	14.7	14.3
26	PB1-97-2R-7010	14.75	19	14.2	13.1	15.1	16.6
27	UT97B1480-1632	13.98	22	14.0	12.5	14.5	14.9
28	UT99B1669-3243	13.55	25	12.5	13.3	13.2	15.2
	LOCATION MEAN:	13.05		15.00	12.93	15.72	16.55
	CHECK MEAN:	14.84		14.42	12.70	15.93	16.30
	CV %	5.80					
	LSD (.05)	0.88					

Table 25: 2005 Western Regional Dryland Spring Barley Nursery, Disease Ratings

ENTRY NO.	CULTIVAR/ DESIGNATION	Tammany ID	Minot ND
		Stripe Rust	Leaf Blotch
		% LAD*	1-9
1	Steptoe	80	5
2	Baronesse	60	4
3	Morex	90	6.3
4	Harrington	35	4.3
5	Legacy	80	4.7
6	Conlon	20	5.7
7	2B99-2039	25	4
8	2B99-2316	55	4
9	2B99-2657	45	2
10	2B99-2771-1	50	4.3
11	2B99-2763-10	65	4.7
12	94Ab13449	70	4
13	98Ab11720	70	5.7
14	98Ab11993	15	2.7
15	98BX27-132	2	8.7
16	98BX28-44B	10	8.7
17	98BX28-58B	20	7
18	01ST1587	70	4.3
19	01ST1758	45	5
20	MT000047	40	5.3
21	MT000125	70	5
22	MT000138	15	5.7
23	Stellar (ND16301)	80	5
24	ND19854	15	6
25	ND21863	85	4.3
26	PB1-97-2R-7010	75	4.7
27	UT97B1480-1632	80	6.7
28	UT99B1669-3243	75	5.7
		*Leaf Area Diseased	Net blotch and <i>Septoria sp.</i> combined