

### 2005 SPRING BARLEY

**OVERVIEW:** Below normal fall (2004) and winter precipitation resulted in drought-type conditions in early spring that delayed early season emergence and growth of spring barley. For example, Pullman and Lind crop-year precipitation were both 40% - 50% below normal at the beginning of March 2005. This was typical throughout all of eastern Washington. Above normal spring precipitation during March and May that ranged 20% to over 80% above average provided sufficient moisture for spring barley stands to recover from the early soil moisture deficit conditions. Stripe rust (*Puccinia striiformis* f. sp. *hordei*) infections were only significantly observed on susceptible varieties at the Anatone, WA location, in contrast, stripe rust infections on spring wheat were extremely heavy throughout most of eastern Washington in 2005.

The average spring barley nursery yield across all locations in 2005 was 3768 pounds per acre. This is nearly identical to a historical previous three-year average of 3776 pounds per acre. Six-row barley varieties tended to yield about 12% lower than the higher yielding 2-row varieties on average in the 2005 WSU Variety Testing Program nurseries. Average test weight values in 2005 (48.6 lb/bu) were similar to three-year average values (48.3 lb/bu).

Baronesse or new cultivars with Baronesse parentage continued in yield dominance in the 2005 trials. YU-501-385, an improved selection from Baronesse from Westbred, LLC, had the highest average yield across all locations. Radiant, a 2003 release from WSU that also has Baronesse in its pedigree also had a slightly higher yield than Baronesse. The average yield of the top 17 varieties/experimental lines in the 2005 nurseries were significantly (statistically) equal to Baronesse, including the 2002 release, Bob, (Table 1) and represent potential alternatives to Baronesse the flagship of feed barley production in the PNW since the early 1990's. Several advanced WSU breeding lines show promise as variety release candidates based on two or three year averages. These include WA8569-99 (Hessian fly resistant) and WA10701-99 (good malting quality), WA15279-00, and WA7330-00 (wide adaptation). Newer lines that did particularly well in first year testing were 02WNZ1100, 02WNZ1821, and 02WNZ1095 (wide adaptation). Current objectives in the WSU Barley Breeding Program include improved yield and pest resistances, as well as, improved malting quality.

Listed below are summary evaluations for hard red winter and hard white winter wheat at each WSU Variety Testing Program location:

#### ALMIRA SPRING BARLEY

1. 2005 Spring Barley data from the nursery at the Almira location averaged 3245 lbs/acre that was nearly identical to the previous 3-year average of 2226 lbs/acre. This nursery was planted re-crop following a 2004 winter wheat crop.
2. YIELD RANKINGS typically followed 3-year historical trends. 6-row spring barley varieties appeared to suffer most from the 2005 growing conditions. Much of this may have been a result of the tendency for 6-row barley varieties to have develop fewer tillers and have taller growth habits that may not have been as favorable for yields in 2005.
3. Average HEADING DATE (27 Jun 2005) was over a week later than the average 2004 heading date (17 Jun 2004).
4. In general, variety YIELD RANKINGS were similar to 3-year historical yield rankings – excluding some differences in 6-row barley varieties.

**ANATONE SPRING BARLEY**

1. 2005 Spring Barley data at the Anatone location averaged 2-tons/acre (4049 lbs), slightly higher than a 3-year historical average of 3700 lbs/ac. This nursery was planted as re-crop following a 2004 winter wheat crop.
2. TEST WEIGHT values were excellent for the majority of varieties in this nursery with an average of 52.0 lbs/bu. In general, 6-row varieties had lower test weight values than 2-row varieties which are fairly typical.
3. STRIPE RUST infections were observed on susceptible varieties on a 24 June 2005 evaluation. Severity of infections was relatively low and did not appear to have any impact on 2-row varieties. Three 6-row varieties showed fairly high levels of infection (Creel, Morex and Legacy). Each of these varieties had some of the lower yields in the nursery; however, the yield ranking of each of these in 2005 is consistent with previous years – even in the absence of stripe rust.
4. In general, variety YIELD RANKINGS were somewhat similar to historical yield rankings; however with high environmental variability in 2005, it is important to look at historical yield performance for this nursery in making variety selections.

**DAYTON SPRING BARLEY**

1. 2005 spring barley yields from the WSU Variety Testing nursery at the Dayton location averaged only 1896 lb/ac (yield losses were similar to spring wheat at this location, easily 60% less than the historical yield averages for Dayton, 4708 bu/ac). *NOTE: the 2005 nursery was located approximately 15 miles NE of Dayton in the vicinity of Turner Elevator.*
2. This spring barley nursery was co-located with the spring wheat nursery and plant growth and development responses to management and the environment were similar. Spring barley was more severely impacted indicated by an average test weight value of 39.0 lb/bu. That dramatically reflects the impact of the 2005 spring growing conditions.
3. The nursery was on a re-crop piece of ground following winter wheat and seeded on 9 March 2005 into dry, cold seed bed conditions. Emergence was delayed until the end of March. There was 90#N, 10#P and 10#S of fertilizer applied for this crop. In mid-June 2005, soil moisture in the shallow root zone was depleted and the plants basically quit growing with pre-mature ripening. Low test weight values are indicative of the growing conditions for this crop. This is a nursery where 3-yr and 5-yr yield averages should be used to assess variety performance.

**FAIRFIELD SPRING BARLEY**

1. 2005 Spring Barley data at the Fairfield location averaged 3654 lbs/ac and was 14.0% less than the previous 3-year historical average of 4249 lbs/ac. This nursery was re-cropped following a 2004 winter wheat crop
2. The uniqueness 2005 GROWING SEASON (dry/cold spring, wet May 2005, hot/dry weather at the end of June 2005) appeared to influence yields and quality. Average PLANT HEIGHT in the 2005 spring barley nursery was only 27.0 inches compared to 33.0 inches in the previous year (2004). This 18% (6-inches) average difference in plant height appears to have an association with reduced yields, just in terms of plant growth and development.
3. TEST WEIGHT values were high for the majority of varieties in this nursery with an average of 51.8 lbs/bu. As experienced in other many of the other 2005 spring barley nurseries, on average, 6-row varieties in the Fairfield nursery had lower average test weight values (49.9 lbs/bu) than 2-row varieties (52.3 lbs/bu) which are fairly typical.

4. Variety YIELD RANKINGS were fairly consistent when compared to historical yield rankings. Interestingly however, the five commercially used malting barley varieties (Harrington, Morex, AC Metcalfe, Legacy and Tradition) all had nearly the lowest yield yields in the 2005 nursery. As noted in other nurseries, 6-row varieties/lines exhibited lower average yields than 2-row varieties/lines. In the Fairfield nursery, average yields for the 6-row types were 17.2% below 2-row types. Historical (2, 3 and 5-year) averages are the best data sets to use in making varietal choices for this nursery.

### **FARMINGTON SPRING BARLEY**

1. 2005 Spring Barley data at the Farmington location averaged 3961 lbs/ac and was 21.1% less than the previous 3-year historical average of 5413 lbs/ac. This nursery was re-cropped following a 2004 winter wheat crop
2. The uniqueness 2005 GROWING SEASON (dry/cold spring, wet May 2005, hot/dry weather at the end of June 2005) appeared to influence yields and quality. Average PLANT HEIGHT in the 2005 spring barley nursery was only 26.0 inches compared to 33.8 inches in the previous year (2004). This 23% reduction in plant height appears to have an association with reduced yields, just in terms of plant growth and development.
3. TEST WEIGHT values were somewhat low for the majority of varieties in this nursery with only 25% of the varieties averaging over 48.0 lbs/bu. As experienced in other many of the other 2005 spring barley nurseries, on average, 6-row varieties had lower test weight values (45.7 lbs/bu) than 2-row varieties (47.4 lbs/bu) which are fairly typical.
4. Variety YIELD RANKINGS seemed to bounce around compared to historical yield rankings. Even Baronesse that has historically placed 8<sup>th</sup> and 4<sup>th</sup> on the 3-year and 5-year averages, respectively, slipped to 30<sup>th</sup> ranking out of the 40 entries in the 2005 nursery. There was a fairly high level of plot variation (CV = 21.1%) in this nursery caused by some unevenness in stand establishment and plant development compounded by the growing season conditions. This contributed to some of the 'bouncing' around. Historical (2, 3 and 5-year) averages are the best data sets to use in making varietal choices for this nursery.

### **LAMONT SPRING BARLEY**

1. 2005 Spring Barley data at the Lamont location averaged 4954 lbs/acre that was 95% higher than the previous 3-year average of 2533 lbs/acre. TEST WEIGHT values were also very good in this nursery – again, grown on summer fallow conditions.
2. Yield rankings typically followed 3-year historical trends at this location with Baronesse and new varieties with Baronesse parentage having the highest average yields. 6-row spring barley varieties appeared to suffer most from the 2005 growing conditions. Much of this may have been a result of the tendency for 6-row barley varieties to have develop fewer tillers and have taller growth habits that may not have been as favorable for yields in 2005.
3. It is worth noting that the majority of varieties/experimental lines in this nursery had yields that were fairly close to each other and from a statistical standpoint were not statistically different. The historical 3-year average data set probably best represents spring barley performance at this location.

### **MAYVIEW (Garfield County) SPRING BARLEY**

1. 2005 Spring Barley data at the Mayview location averaged 2560 lbs/acre that was 31% lower than the previous 3-year average of 3700 lbs/acre. This nursery was planted re-crop following a 2004 winter wheat crop on 26 April 2005. (*The Mayview nursery is located approximately 20 miles NE of Pomeroy, WA on the breaks of the Snake River – about 5 miles from Lower Granite Dam, R. Koller farm*). The 2004 spring growing

conditions with below normal precipitation until May 2005 followed by below normal precipitation in June and hot, dry conditions at the during grain fill undoubtedly contributed to the yield and test weight reductions observed in the 2005 crop.

2. YIELD RANKINGS bounced around a lot when compared to 3-year historical trends. 6-row spring barley varieties appeared to suffer most from the 2005 growing conditions and basically nearly all 6-row varieties were lower in yield than 2-row varieties. Much of this may have been a result of the tendency for 6-row barley varieties to develop fewer tillers, many with taller growth habits that may not have been as favorable for yields in 2005.
3. Average HEADING DATE (29 Jun 2005) was about 5-days later than the average 2004 heading date (24 June 2004).
4. TEST WEIGHT average (46.0 lbs/bu) was fairly light with a range of 42.5 to 49.9 lbs/bu for the 40 entries in the nursery.

#### **MOSES LAKE SPRING BARLEY (irrigated)**

1. 2005 Spring Barley data at the Moses Lake location (approx. 5 miles west of Moses Lake near Dodson Road on Rd 3NW) averaged over 2.75 -tons/acre (5543 lbs/ac). This nursery followed 2004 potato crop.
2. TEST WEIGHT values were good for the majority of varieties in this nursery with an average of 52.0 lbs/bu.
3. LODGING was not as severe in the 2005 spring barley nursery compared to previous crop years. Nitrogen fertilizer rates were minimized in this nursery to prevent excessive lodging and the nursery was irrigated with solid sets.
4. YIELDS were very similar for many of the varieties/experimental lines. Over half of the varieties had 'statistically' equal yield values. As in other nurseries, 6-row varieties/experimental lines had substantially lower yields in this nursery.

#### **PULLMAN SPRING BARLEY**

1. 2005 Spring Barley data nursery at the Pullman location (Spillman Agronomy Farm) averaged nearly 2.25 -tons/acre (4416 lbs/ac), but was 18.% below the previous 3-year historical average of 4416 lbs/ac. This nursery was seeded as re-crop following a 2004 dry pea crop.
2. TEST WEIGHT values were good for the majority of varieties in this nursery with an average of 49.0 lbs/bu.
3. Variety YIELD RANKINGS seemed to bounce around a lot in this nursery when compared to historical yield rankings. For example, Baronesse typically places in one of the top '5' positions when comparing 3-year and 5-year averages. In contrast, Baronesse ranked in 30<sup>th</sup> position (out of 40) in the 2005 nursery. Obviously, historical data is the better indicator of performance when comparing varieties from this data set

#### **REARDAN SPRING BARLEY**

1. 2005 Spring Barley data at the Reardan location averaged nearly 2-tons/acre (3961 lbs/ac), nearly equivalent to the previous 3-year historical average of 3997 lbs/ac. This nursery was direct seeded as re-crop following a 2004 winter wheat crop.
2. TEST WEIGHT values were good for the majority of varieties in this nursery with an average of 48.0 lbs/bu. On average, 6-row varieties had lower test weight values (46.8 lbs/bu) than 2-row varieties (48.8 lbs/bu) which are fairly typical.
3. Variety YIELD RANKINGS were similar to historical yield rankings; however 6-row varieties/lines did not perform as well in 2005 compared to previous years.

#### **ST JOHN SPRING BARLEY**

1. 2005 Spring Barley data at the St John location averaged 4015 lbs/acre that was nearly identical to the previous 3-year average of 3978 lbs/acre.
2. YIELD RANKINGS seemed to bounce around in this nursery compared to 3-year historical trends. 6-row spring barley varieties appeared to suffer most with lower yields in response to the 2005 growing conditions.
3. TEST WEIGHT average was good for this nursery at 51.0 lbs/bu.

#### **WALLA WALLA SPRING BARLEY**

1. 2005 Spring Barley data at the Walla Walla location averaged 2639 lbs/acre that was 15% lower than the previous 3-year average of 3635 lbs/acre. Just like spring wheat at this location, this nursery was planted on re-crop following a 2004 winter wheat crop and the 2005 spring growing conditions contributed to yields that were lower than the historical averages.
2. TEST WEIGHT values were a little light averaging 46.0 lbs/bu in this nursery – again, influenced by the seasonal growing conditions. 6-row variety Test Weight averages (43.0 lbs/bu) were substantially below 2-row variety average Test Weights (47.0 lbs/bu). This is not uncommon since 6-row varieties typically have lower test weight values.
3. Yield rankings generally followed 3-year historical trends at this location with Baronesse and new varieties with Baronesse parentage having the highest average yields. 6-row spring barley varieties appeared to suffer most from the 2005 growing conditions by averaging 17.6% (483#) lower yields than the average of the 2-row varieties in the nursery.
4. The historical 3-year average data set probably best represents spring barley performance at this location due to a fairly high variation (CV %) in this 2005 nursery caused by the unique 2005 spring growing conditions.

TABLE XMC0552. STRIPE RUST INFECTION TYPE (IT) AND SEVRITY (%) AND LEAF RUST SEVERITY (%) ON CULTIVARS AND LINES IN THE SPRING BARLEY EXTENSION NURSERY (EXP52) AT SPILLMAN FARM (LOC01), OBSERVATORY HILL (LOC02), AND WHITLOW FARM (LOC04) NEAR PULLMAN, MT VERNON (LOC05), AND WALLA WALLA (LOC06), WA WHEN RECORDED AT THE INDICATED DATES AND STAGES OF PLANT GROWTH IN 2005.

<sup>1)</sup> NOTES: 1) LOC02 (OBSERVATORY HILL) WAS UNDER FLUENCE OF INOCULATION IN ADJACENT NURSERIES AND ALL OTHER LOCATIONS WERE UNDER NATURAL INFECTION. 2) LEAF RUST (*Puccinia hordei*) WAS SEVERE IN THE NURSERY. THEREFORE, ENTRIES THAT HAD SEVERE LEAF RUST DID NOT HAVE A RELIABLE READINGS FOR STRIPE RUST.

		Stripe Rust - 2005										Leaf rust	
		LOC 01		LOC 2		LOC 4		LOC 5		LOC 6		LOC 5	
		Spillman Farm		Observatory Hill - Pullman <sup>1)</sup>		Whitlow Farm - Pullman		Mt Vernon, WA		Walla Walla		Mt Vernon, WA	
		7/22/2005		'7/18/2005		6/30/2005		7/14/2005		6/16/2005		7/14/2005	
		Dough		S. dough		Late flowering		Late flowering		Milk		Late flowering	
CLASS	VARIETY	IT	%	IT	%	IT	%	IT	%	IT	%	IT	%
2-row	BARONESSE	5	70	5	20	8	1	5	10	0	0	0	1
2-row	FARMINGTON	5	10	5	1	8	2	8	10	0	0	0	20
2-row	BOB	5	5	5	2	0	0	2	1	0	0	0	1
2-row	RADIANT	5	10	8	40	8	5	8	10	0	0	0	1
2-row	CAMAS	8	40	8	40	8	2	-	-	0	0	0	50
2-row	XENA	5	2	8	10	0	0	8	30	0	0	0	10
2-row	BOULDER	8	90	8	50	0	0	8	1	0	0	0	5
2-row	YU-501-385	8	90	8	50	8	5	-	-	0	0	0	40
2-row	CEBEKO 0149	2	1	2	1	0	0	-	-	0	0	0	2
2-row	HARRINGTON	8	30	8	50	0	0	-	-	0	0	0	70
2-row	AC METCALFE	2	5	2	1	0	0	5	20	0	0	0	70
2-row	PB1-95-2R-522	8	100	8	60	0	0	-	-	8	30	0	80
2-row	BURTON	8	100	8	70	3	10	-	-	8	10	0	90
6-row	CREEL	8	100	8	80	8	2	-	-	8	5	0	90
6-row	MOREX	8	100	8	70	0	0	-	-	8	5	0	90
6-row	LEGACY	8	100	8	90	8	2	-	-	2	5	0	80
6-row	TRADITION	8	100	8	90	8	2	-	-	8	10	0	70
6-row	01NZ392	5	20	8	5	0	0	-	-	8	10	0	80
6-row	01NZ338	8	100	8	30	0	0	-	-	0	0	0	100
6-row	01NZ706	8	100	5	30	8	2	8	30	0	0	0	80
6-row	2001NZ384	5,8	90	5	10	8	1	8	1	0	0	0	80
2-row	WA 7330-00	8	90	8	20	8	2	-	-	0	0	0	5
2-row	WA 10429-00	8	90	8	60	0	0	-	-	0	0	0	30
2-row	WA 15279-00	5	30	5	40	0	0	-	-	8	5	0	30
2-row	2001NZ078	5	30	8	40	8	1	8	1	0	0	0	5
2-row	01NZ111	2	1	2	1	0	0	-	-	0	0	0	5
2-row	01WA13825.22	2	1	2	1	0	0	-	-	0	0	0	10
2-row	WA 8569-99	5	30	8	10	0	0	-	-	0	0	0	5
2-row	WA 10701-99	8	60	8	80	8	2	-	-	0	0	0	90
2-row	00WNZ154	2	1	5	5	0	0	8	1	0	0	0	90
2-row	02WNZ1015	5	2	2	.5	0	0	-	-	0	0	0	50
2-row	02WNZ1023	5	2	5	10	0	0	8	10	8	10	0	10
2-row	02WNZ1095	5	2	8	30	8	1	8	1	8	10	0	0
2-row	02WNZ1100	5	2	5	10	0	0	8	10	0	0	0	20
2-row	02WNZ1551	5	2	5	20	0	0	8	10	0	0	0	40
2-row	02WNZ1719	5	2	2	5	8	1	-	-	0	0	0	5
2-row	02WNZ1821	2	2	2	1	8	1	-	-	0	0	0	5
2-row	02WNZ1826	5	40	5	10	8	1	8	5	0	0	0	1
2-row	02WNZ1874	2	1	2	1	0	0	-	-	0	0	0	1
2-row	02WNZ1990	8	70	8	90	0	0	2	1	0	0	0	5

TABLE 44YD.

## 2005 WSU SPRING BARLEY VARIETY TRIAL SUMMARY

VARIETY	DAVTON	MAYVIEW	WALLA WALLA	ALMIRA	TAIRFIELD	REARDAN	ST. JOHN	ANATONE	FARMINGTON	PULLMAN	LAMONT	MOSES LAKE	MEAN YIELD (LBS/A)	YIELD (LBS/A)	
														2-ROW	6-ROW
00WNZ154	2101	2449	2597	2994	3672	3981	4012	4490	3620	4698	4562	5458	3720		
01NZ111	2631	2672	2958	2652	2923	3782	4132	4284	3764	4560	4812	4289	5292	3701	
01WA13825.22	1803	2614	2381	3196	4020	4132	4449	4449	4168	4138	4580	5261	5780	3877	
02WNZ1015	2223	2663	2975	3397	3622	4392	4223	4103	4148	4979	5003	5740	3955		
02WNZ1023	2198	2482	2393	3592	3636	4274	4016	4455	2120	5215	6215	4282	5740		
02WNZ1095	2087	3013	2408	3809	3398	4304	5018	4955	2921	4460	5636	5802	3979		
02WNZ1100	2318	2690	3003	3653	3793	4157	4454	4788	3672	5148	5143	5402	4618		
02WNZ1551	1926	2949	2949	3146	3926	3648	3920	3641	4729	4363	5094	5627	3805		
02WNZ1719	2190	2631	2747	3531	3644	3937	4230	4255	4360	4330	4518	5724	3846		
02WNZ1821	1954	2725	2682	3595	3718	4025	4788	4380	5000	4262	4772	6017	3993		
02WNZ1826	1847	2419	2746	3265	3869	3711	3804	3776	4881	3779	5169	5695	3747		
02WNZ1874	1925	3057	3555	3936	4005	3590	4317	4715	3918	4995	5758				
02WNZ1990	1727	2653	3132	3265	3766	3760	3475	4178	4757	3827	5234	5896	3814		
2001NZ078	1996	2062	2891	2179	4002	3771	3786	3102	3200	4108	5030	6125	3521		
AC METCALFE	1517	2405	2619	3076	3167	3837	3352	4050	4254	3607	4884	5585	3528		
BARONESE	2186	2791	3486	3584	4250	4054	4215	3932	3829	4145	3829	5959	6099	4044	
BOB	1723	2450	2826	3557	3995	4150	4516	4006	3824	4882	5847	6119	3941		
BOULDER	2061	2565	3352	3638	4033	3768	4510	4551	4880	4625	5345	5947			
BURTON	2082	2636	3277	3287	3798	4005	4453	4235	4709	4400	5377	5726	3599		
CAMAS	1485	2655	2288	3417	3891	4234	3881	4068	3883	4818	5560	5072	3746		
CEBECO 0149	1896	2456	2242	2989	4203	4181	3716	3914	4272	4496	5790	6363	3876		
FARMINGTON	2341	2672	3006	3196	3670	3788	3765	3312	4667	4862	4950	5792	3816		
SPAUDING	1306	2609	3531	3648	4261	3570	4226	3570	4356	4862	5173	3639			
HARRINGTON	1880	2691	2530	3412	3207	4008	3088	3986	4147	3573	4430	5206	3563		
RADIANT	2081	2862	2856	3544	4200	4117	4245	4332	4632	3791	6206	6350	4101		
WA 1029-90	1611	2904	2634	3331	3700	3836	4018	3874	5193	3710	4778	5295	3745		
WA 10701-90	1659	2470	2295	3178	3516	3976	4339	4254	4780	4217	5223	5471	3781		
WA 15279-90	1939	2673	2677	3332	4187	4158	5034	4566	4416	4031	5672	6189	4023		
WA 733-00	2341	2643	2618	3428	4405	3336	4421	3911	4881	4332	5062	6199	3990		
WA 8569-99	2382	2619	2446	3368	3915	5024	4379	4262	3917	5458	6304	3994			
XENA	2113	3298	2462	3760	3620	4335	4377	4287	3551	4638	5274	5826	3945		
YU-501-385	1972	3069	2411	3818	3798	4577	4962	3874	5678	4928	5343	5543	4164		
6-ROW															
01NZ2338	1613	1877	2190	2890	3320	3658	3519	3582	4052	4992	5028	4629	3446		
01NZ392	1939	2424	2047	3012	3130	3498	3659	3594	5287	5406	4564	4427	3582		
01NZ706	1608	2262	2094	3294	3684	3712	3798	4119	4568	4453	4710	4836	3595		
2001NZ384	1960	2400	2392	3484	4140	4002	3927	4908	5359	4182	5120	4836	3737		
CREEL	1110	2382	2171	2591	3389	3537	2921	3871	4463	5098	3840	6153	3459		
LEGACY	1223	2249	2228	2524	3219	3662	2963	3644	4605	4178	3920	4715	3261		
MOREX	1334	1634	2445	2557	2317	3259	3548	3649	3885	4223	3526	3783	2999		
TRADITION	1550	2270	2448	2614	2520	3467	3467	3441	4564	4352	3884	3863	3222		
NURSERY MEAN	1896	2560	2639	3245	3654	3981	4315	4049	4286	4416	4954	5543	3768		
CV	16.2	10.7	25.8	9.0	11.2	5.7	13.9	9.5	21.1	5.5	13.3	9.6	13.2		
LSD @ .10	418	373	926	397	555	308	759	524	1226	333	894	726	194		

TABLE 44TW.

2005 WSU SPRING BARLEY VARIETY TRIAL SUMMARY

TABLE WA4462. 2005 WSU EXTENSION SPRING BARLEY NURSERY AT ALMIRA, WA.

VARIETY NAME	5 YEAR AVERAGE (LB/A)	3 YEAR AVERAGE (LB/A)	2 YEAR AVERAGE (LB/A)	YIELD (LB/A)	TEST WT. (LBS/BU)	PLANT HT	2005 HEAD DATE	% PROTEIN	% PLUMP	% THIN
<b>2-Row</b>										
XENA	3731 ( 1)	3762 ( 1)	3898 ( 2)	3760 ( 3)	50.8	31	26-Jun	9.9	57	8
BARONESSE	3645 ( 2)	3675 ( 3)	3699 ( 4)	3584 ( 8)	50.2	29	27-Jun	10.4	45	15
BOB	3585 ( 3)	3659 ( 4)	3678 ( 5)	3557 ( 9)	51.5	30	28-Jun	9.1	84	3
RADIANT	3529 ( 4)	3522 ( 6)	3560 ( 6)	3544 (11)	50.2	30	27-Jun	9.2	42	18
FARMINGTON	3322 ( 5)	3198 (12)	3111 (18)	3196 (25)	50.3	26	28-Jun	9.7	69	9
HARRINGTON	3297 ( 6)	3331 ( 9)	3452 ( 8)	3412 (16)	49.8	30	27-Jun	9.3	82	5
CAMAS	3262 ( 7)	3326 (10)	3317 (12)	3417 (15)	53.1	32	29-Jun	10.1	76	4
BOULDER	---	3701 ( 2)	3756 ( 3)	3698 ( 4)	54.2	32	28-Jun	8.9	86	2
WA 10701-99	---	3523 ( 5)	3380 (10)	3178 (27)	51.1	31	28-Jun	9.8	68	6
WA 8569-99	---	3434 ( 7)	3368 (11)	3368 (18)	49.8	28	26-Jun	10.0	22	26
AC METCALFE	---	3346 ( 8)	3208 (14)	3076 (29)	50.0	33	27-Jun	9.8	74	8
CEBEKO 0149	---	3289 (11)	3117 (17)	2989 (32)	48.3	24	26-Jun	10.6	67	9
YU-501-385	---	---	3924 ( 1)	3818 ( 1)	53.4	32	27-Jun	8.6	62	6
WA 7330-00	---	---	3503 ( 7)	3428 (14)	49.6	28	27-Jun	9.0	51	14
WA 10429-00	---	---	3391 ( 9)	3331 (20)	49.1	28	27-Jun	10.2	50	13
WA 15279-00	---	---	3192 (15)	3332 (19)	48.4	28	26-Jun	10.1	43	15
01NZ111	---	---	2946 (21)	2652 (35)	51.3	23	27-Jun	10.0	43	17
02WNZ1095	---	---	---	3809 ( 2)	51.4	32	27-Jun	8.5	65	10
02WNZ1100	---	---	---	3653 ( 5)	51.9	30	26-Jun	8.3	74	6
02WNZ1821	---	---	---	3595 ( 6)	51.0	30	27-Jun	9.0	68	6
02WNZ1023	---	---	---	3592 ( 7)	50.1	29	28-Jun	9.6	48	14
02WNZ1874	---	---	---	3555 (10)	51.3	31	27-Jun	8.4	88	2
02WNZ1719	---	---	---	3531 (13)	49.2	32	28-Jun	8.7	77	5
SPAULDING	---	---	---	3531 (13)	52.3	31	28-Jun	9.3	70	10
02WNZ1015	---	---	---	3397 (17)	50.8	27	26-Jun	9.0	78	4
BURTON	---	---	---	3287 (22)	50.4	30	28-Jun	10.1	75	5
02WNZ1826	---	---	---	3265 (24)	49.1	30	25-Jun	9.5	88	3
02WNZ1990	---	---	---	3265 (24)	49.1	30	28-Jun	9.1	91	2
01WA13825.22	---	---	---	3196 (26)	50.9	29	28-Jun	10.0	53	8
02WNZ1551	---	---	---	3146 (28)	49.9	29	26-Jun	9.1	36	13
00WNZ154	---	---	---	2994 (31)	48.6	27	28-Jun	9.7	73	8
2001NZ078	---	---	---	2179 (40)	47.6	24	28-Jun	10.1	18	37
<b>6-Row</b>										
MOREX	2872 ( 8)	2910 (16)	2882 (23)	2557 (38)	50.2	39	26-Jun	10.5	46	14
CREEL	---	3190 (13)	3068 (20)	2591 (37)	47.9	34	28-Jun	9.9	29	29
LEGACY	---	3110 (14)	2931 (22)	2524 (39)	48.6	37	28-Jun	10.8	39	22
01NZ706	---	3048 (15)	3095 (19)	3294 (21)	46.8	35	29-Jun	10.1	54	12
TRADITION	---	---	3214 (13)	2614 (36)	50.8	35	27-Jun	10.3	53	10
01NZ392	---	---	3144 (16)	3012 (30)	47.6	33	27-Jun	10.6	25	22
01NZ338	---	---	2828 (24)	2890 (34)	46.8	32	25-Jun	10.3	49	13
2001NZ384	---	---	---	2975 (33)	48.6	33	28-Jun	9.5	73	4
Mean	3405	3376	3319	3245	50.0	30	27-Jun	9.6	60	11
CV%	8.0	9.5	9.9	9.0	2.0	---	---	---	---	---
LSD @ .10	165	252	314	397	1.4	---	---	---	---	---

Planted: 14 Apr 05  
 Harvested: 16 Aug 05

TABLE WA4434. 2005 WSU EXTENSION SPRING BARLEY NURSERY AT ANATONE, WA.

VARIETY NAME	5 YEAR AVERAGE (LB/A)	3 YEAR AVERAGE (LB/A)	2 YEAR AVERAGE (LB/A)	YIELD (LB/A)	TEST WT. (LBS/BU)	PLANT HT	2005 HEAD DATE	% PROTEIN	% PLUMP	% THIN
<b>2-Row</b>										
XENA	---	---	4913 (1)	4287 (11)	52.2	28	12-Jun	13.4	67	12
BOULDER	---	---	4868 (2)	4510 (4)	54.3	29	10-Jun	11.0	90	5
WA 8569-99	---	---	4847 (3)	4379 (8)	52.3	26	10-Jun	7.8	81	4
YU-501-385	---	---	4766 (4)	3874 (29)	54.8	28	12-Jun	11.1	80	6
WA 10701-99	---	---	4686 (5)	4254 (13)	53.0	28	8-Jun	9.6	95	2
WA 15279-00	---	---	4669 (6)	4566 (3)	52.3	26	10-Jun	8.3	97	1
WA 7330-00	---	---	4579 (7)	3911 (27)	53.7	25	9-Jun	8.0	95	1
RADIANT	---	---	4570 (8)	4332 (9)	51.9	29	11-Jun	13.1	68	14
01NZ111	---	---	4556 (9)	3764 (32)	55.0	25	13-Jun	9.2	94	2
BOB	---	---	4538 (10)	4006 (22)	53.1	26	12-Jun	14.1	86	6
BARONESSE	---	---	4503 (11)	3932 (24)	50.9	27	12-Jun	13.8	86	5
CAMAS	---	---	4443 (13)	4068 (20)	53.7	29	10-Jun	13.5	66	13
WA 10429-00	---	---	4301 (14)	3874 (29)	51.5	27	10-Jun	8.6	98	1
FARMINGTON	---	---	4287 (15)	3312 (39)	51.7	24	14-Jun	14.5	71	10
CEBEKO 0149	---	---	4234 (16)	3914 (26)	50.4	22	13-Jun	13.5	69	7
AC METCALFE	---	---	4198 (17)	4060 (21)	51.9	30	10-Jun	13.4	83	4
HARRINGTON	---	---	4191 (18)	3986 (23)	52.0	31	9-Jun	14.4	69	8
02WNZ1095	---	---	---	4995 (1)	53.0	29	10-Jun	9.9	91	2
02WNZ1100	---	---	---	4788 (2)	52.6	29	11-Jun	10.2	88	3
00WNZ154	---	---	---	4490 (5)	52.1	26	10-Jun	9.6	94	2
02WNZ1023	---	---	---	4455 (6)	51.7	27	11-Jun	10.0	68	8
02WNZ1821	---	---	---	4380 (7)	52.7	28	10-Jun	10.7	82	5
02WNZ1874	---	---	---	4317 (10)	52.7	29	11-Jun	11.8	71	9
02WNZ1719	---	---	---	4255 (12)	53.1	31	11-Jun	10.5	84	3
BURTON	---	---	---	4235 (14)	51.7	29	11-Jun	11.5	88	3
SPAULDING	---	---	---	4226 (15)	52.3	31	10-Jun	12.3	48	22
02WNZ1990	---	---	---	4178 (16)	52.4	28	10-Jun	10.9	88	4
01WA13825.22	---	---	---	4168 (17)	52.4	28	10-Jun	8.8	96	1
02WNZ1015	---	---	---	4103 (19)	53.4	25	12-Jun	9.4	89	2
02WNZ1826	---	---	---	3776 (31)	51.5	28	10-Jun	11.8	68	11
02WNZ1551	---	---	---	3641 (35)	53.8	27	12-Jun	11.2	84	4
2001NZ078	---	---	---	3102 (40)	48.9	22	13-Jun	7.9	72	8
<b>6-Row</b>										
01NZ706	---	---	4501 (12)	4119 (18)	46.8	32	10-Jun	9.8	95	0
01NZ392	---	---	4174 (19)	3594 (36)	49.5	32	10-Jun	9.6	96	1
TRADITION	---	---	4110 (20)	3441 (38)	50.1	34	9-Jun	8.4	93	1
LEGACY	---	---	4082 (21)	3644 (34)	48.7	33	10-Jun	8.2	80	5
CREEL	---	---	3997 (22)	3871 (30)	47.4	32	8-Jun	9.9	57	14
01NZ338	---	---	3692 (23)	3582 (37)	47.6	32	11-Jun	8.4	93	2
MOREX	---	---	3425 (24)	3649 (33)	48.7	40	10-Jun	9.5	86	3
2001NZ384	---	---	---	3927 (25)	49.6	35	12-Jun	9.0	98	1
Mean	---	---	4380	4049	51.7	29	10-Jun	10.7	83	5
CV%	---	---	10.8	9.5	2.7	---	---	---	---	---
LSD @ .10	---	---	454	524	1.9	---	---	---	---	---

Planted: 9 Apr 05

Harvested: 2 Aug 05

TABLE WA4416. 2005 WSU EXTENSION SPRING BARLEY NURSERY AT DAYTON, WA.

VARIETY NAME	5 YEAR AVERAGE (LB/A)	3 YEAR AVERAGE (LB/A)	2 YEAR AVERAGE (LB/A)	YIELD (LB/A)	TEST WT. (LBS/BU)	PLANT HT	2005 HEAD DATE	% PROTEIN	% PLUMP	% THIN
<b>2-Row</b>										
BARONESSE	4039 (1)	4211 (3)	4218 (15)	2186 (9)	40.9	26	3-Jun	12.7	4	81
XENA	4020 (2)	4341 (1)	4598 (3)	2113 (10)	39.3	30	3-Jun	12.3	5	86
RADIANT	3930 (3)	4022 (6)	4243 (11)	2081 (14)	39.5	29	4-Jun	13.0	4	89
FARMINGTON	3914 (4)	4184 (4)	4496 (4)	2341 (3)	43.5	23	6-Jun	13.7	4	77
BOB	3673 (5)	3839 (9)	3808 (19)	1723 (29)	38.2	28	3-Jun	12.1	5	86
HARRINGTON	3605 (6)	3825 (10)	3991 (17)	1880 (25)	39.3	28	3-Jun	14.1	10	83
CAMAS	3438 (7)	3494 (15)	3565 (23)	1485 (36)	37.4	30	4-Jun	12.2	7	85
WA 8569-99	---	4215 (2)	4491 (5)	2382 (2)	40.8	27	3-Jun	12.5	3	92
CEBEKO 0149	---	4036 (5)	4337 (7)	1896 (24)	39.0	24	6-Jun	14.2	5	87
BOULDER	---	3958 (7)	4230 (13)	2061 (15)	41.9	29	3-Jun	11.9	5	86
WA 10701-99	---	3819 (11)	4038 (16)	1659 (30)	36.9	28	3-Jun	12.1	3	88
AC METCALFE	---	3808 (12)	3781 (20)	1517 (35)	37.8	30	4-Jun	14.1	5	82
01NZ111	---	---	4801 (1)	2631 (1)	44.9	23	6-Jun	13.1	8	70
YU-501-385	---	---	4621 (2)	1972 (17)	39.4	31	3-Jun	11.9	5	91
WA 15279-00	---	---	4363 (6)	1939 (21)	40.4	26	3-Jun	13.1	4	78
WA 7330-00	---	---	4336 (8)	2341 (4)	40.6	27	3-Jun	13.0	3	82
WA 10429-00	---	---	4262 (10)	1611 (32)	35.7	28	3-Jun	13.2	4	80
02WNZ1100	---	---	---	2318 (5)	41.6	28	3-Jun	11.8	7	78
02WNZ1015	---	---	---	2223 (6)	41.1	25	4-Jun	12.2	3	88
02WNZ1023	---	---	---	2198 (7)	40.1	27	3-Jun	12.2	3	92
02WNZ1719	---	---	---	2190 (8)	39.1	29	4-Jun	12.5	2	93
00WNZ154	---	---	---	2101 (11)	39.2	27	3-Jun	12.4	2	88
02WNZ1095	---	---	---	2087 (12)	39.0	28	3-Jun	11.8	4	85
BURTON	---	---	---	2082 (13)	40.4	31	4-Jun	13.9	12	66
2001NZ078	---	---	---	1996 (16)	41.0	22	6-Jun	13.8	2	86
02WNZ1821	---	---	---	1954 (19)	38.7	28	3-Jun	12.3	3	87
02WNZ1551	---	---	---	1926 (22)	41.6	27	4-Jun	12.4	2	88
02WNZ1874	---	---	---	1925 (23)	40.5	29	3-Jun	12.8	3	77
02WNZ1826	---	---	---	1847 (26)	41.2	27	4-Jun	13.5	8	71
01WA13825.22	---	---	---	1808 (27)	37.6	29	3-Jun	11.9	3	88
02WNZ1990	---	---	---	1727 (28)	38.7	27	3-Jun	13.4	5	77
SPAULDING	---	---	---	1306 (38)	34.6	30	4-Jun	12.2	4	91
<b>6-Row</b>										
MOREX	3019 (8)	2957 (16)	3244 (24)	1334 (37)	34.2	34	3-Jun	12.2	2	95
01NZ706	---	3858 (8)	4277 (9)	1608 (33)	32.6	31	3-Jun	12.8	2	90
CREEL	---	3580 (13)	3927 (18)	1110 (40)	31.7	31	1-Jun	13.0	4	90
LEGACY	---	3505 (14)	3768 (21)	1223 (39)	34.6	32	1-Jun	12.5	5	90
01NZ338	---	---	4241 (12)	1613 (31)	34.3	31	4-Jun	12.9	6	74
01NZ392	---	---	4219 (14)	1939 (21)	35.2	33	3-Jun	12.6	5	83
TRADITION	---	---	3675 (22)	1550 (34)	34.7	34	1-Jun	12.2	2	94
2001NZ384	---	---	--	1960 (18)	35.5	31	3-Jun	11.5	13	58
Mean	3705	3853	4147	1896	38.6	28	3-Jun	12.7	5	84
CV%	7.7	8.2	9.0	16.2	5.0	---	---	---	---	---
LSD @ .10	174	249	359	418	2.6	---	---	---	---	---

Planted: 9 Mar 05

Harvested: 27 Jul 05

TABLE WA4433. 2005 WSU EXTENSION SPRING BARLEY NURSERY AT FAIRFIELD, WA.

VARIETY NAME	5 YEAR AVERAGE (LB/A)	3 YEAR AVERAGE (LB/A)	2 YEAR AVERAGE (LB/A)	YIELD (LB/A)	TEST WT. (LBS/BU)	PLANT HT	2005				
	HEAD DATE	LODGING %	% PROTEIN	% PLUMP	% THIN						
<b>2-Row</b>											
RADIANT	4841 ( 1)	4276 ( 1)	4976 ( 1)	4200 ( 4)	50.8	28	25-Jun	0	9.9	94	2
BARONESSE	4753 ( 2)	4084 ( 4)	4763 ( 4)	4250 ( 2)	52.4	26	24-Jun	2	11.8	90	3
BOB	4661 ( 3)	4250 ( 2)	4779 ( 3)	3995 ( 9)	53.0	26	25-Jun	2	12.4	94	2
FARMINGTON	4358 ( 4)	3745 ( 6)	4248 ( 7)	3670 (23)	52.2	25	26-Jun	0	12.7	96	1
XENA	4331 ( 5)	3439 (12)	4036 (11)	3620 (28)	52.5	29	26-Jun	0	11.9	92	3
CAMAS	4183 ( 6)	3487 (11)	3996 (12)	3891 (13)	53.3	27	24-Jun	10	13.6	96	1
HARRINGTON	4167 ( 7)	3507 ( 9)	3881 (14)	3207 (35)	51.9	29	26-Jun	0	13	86	4
CEBEKO 0149	--	4247 ( 3)	4812 ( 2)	4203 ( 3)	52.0	24	25-Jun	0	12.7	90	4
BOULDER	--	3781 ( 5)	4128 (10)	3996 ( 8)	53.4	27	24-Jun	0	13	94	2
WA 8569-99	--	3574 ( 7)	3927 (13)	3915 (12)	52.5	26	25-Jun	0	9.1	91	1
AC METCALFE	--	3508 ( 8)	3818 (15)	3167 (36)	51.7	25	26-Jun	0	10.6	96	1
WA 10701-99	--	3506 (10)	3727 (18)	3516 (29)	51.9	25	25-Jun	0	9.7	94	2
YU-501-385	--	--	4358 ( 5)	3798 (15)	53.8	30	26-Jun	0	12	95	2
WA 15279-00	--	--	4352 ( 6)	4187 ( 5)	51.8	28	25-Jun	0	10.5	98	1
WA 7330-00	--	--	4238 ( 8)	4405 ( 1)	52.2	27	25-Jun	0	10	91	3
WA 10429-00	--	--	4213 ( 9)	3700 (20)	51.5	28	25-Jun	0	9.6	96	1
01NZ111	--	--	3816 (16)	2923 (38)	53.4	22	27-Jun	0	11.7	92	2
01WA13825.22	--	--	--	4020 ( 6)	52.6	26	24-Jun	0	10.2	98	1
2001NZ078	--	--	--	4002 ( 7)	51.1	22	28-Jun	0	10	82	6
02WNZ1874	--	--	--	3936 (10)	53.2	28	25-Jun	0	10.8	95	1
02WNZ1551	--	--	--	3926 (11)	52.7	28	25-Jun	0	11.5	92	2
02WNZ1826	--	--	--	3869 (14)	51.2	26	25-Jun	0	9.9	95	2
BURTON	--	--	--	3798 (16)	52.3	27	25-Jun	0	10.9	96	1
02WNZ1100	--	--	--	3793 (17)	52.5	25	24-Jun	0	11.5	94	2
02WNZ1990	--	--	--	3766 (18)	52.5	27	25-Jun	0	10.9	97	1
02WNZ1821	--	--	--	3718 (19)	51.3	26	25-Jun	0	10.8	97	1
00WNZ154	--	--	--	3672 (22)	51.1	24	26-Jun	0	9.4	94	2
SPAULDING	--	--	--	3648 (24)	53.9	27	24-Jun	0	9	95	2
02WNZ1719	--	--	--	3644 (25)	51.1	27	25-Jun	0	10.5	96	1
02WNZ1023	--	--	--	3636 (26)	52.4	23	25-Jun	0	8.5	92	2
02WNZ1015	--	--	--	3622 (27)	52.8	22	25-Jun	0	9.1	95	2
02WNZ1095	--	--	--	3398 (31)	51.7	26	26-Jun	0	9.3	94	2
<b>6-Row</b>											
MOREX	2854 ( 8)	2121 (16)	2188 (24)	2317 (40)	50.6	35	24-Jun	7	12.7	93	2
01NZ706	--	3421 (13)	3764 (17)	3684 (21)	49.2	31	25-Jun	3	11.3	93	2
CREEL	--	3279 (14)	3707 (20)	3389 (32)	50.4	27	24-Jun	3	9.4	93	2
LEGACY	--	3120 (15)	3647 (22)	3219 (34)	50.6	29	24-Jun	2	11.4	95	1
01NZ392	--	--	3724 (19)	3130 (37)	49.1	27	26-Jun	0	11.6	95	1
01NZ338	--	--	3692 (21)	3320 (33)	49.0	30	26-Jun	0	11.9	95	2
TRADITION	--	--	2749 (23)	2520 (39)	51.0	29	25-Jun	0	11.5	94	2
2001NZ384	--	--	--	3484 (30)	49.2	32	25-Jun	0	10.6	92	3
Mean	4268	3584	3981	3654	52.0	27	25-Jun	1	10.9	94	2
CV%	9.9	13.8	13.1	11.2	1.2	--	--	--	--	--	--
LSD @ .10	258	388	502	555	0.8	--	--	--	--	--	--

Planted: 15 Apr 05

Harvested: 24 Aug 05

TABLE WA4439. 2005 WSU EXTENSION SPRING BARLEY NURSERY AT FARMINGTON, WA.

VARIETY NAME	5 YEAR AVERAGE (LB/A)	3 YEAR AVERAGE (LB/A)	2 YEAR AVERAGE (LB/A)	YIELD (LB/A)	TEST WT. (LBS/BU)	PLANT HT	2005 HEAD DATE	% PROTEIN	% PLUMP	% THIN
<b>2-Row</b>										
FARMINGTON	5762 ( 1)	5667 ( 1)	6243 ( 3)	4667 (13)	46.6	26	24-Jun	12.8	85	5
HARRINGTON	5181 ( 2)	5207 ( 7)	5667 (15)	4747 ( 9)	46.4	30	25-Jun	13.7	89	4
RADIANT	5164 ( 3)	5243 ( 5)	5910 ( 9)	4632 (14)	45.5	26	25-Jun	12.9	78	8
BARONESSE	5133 ( 4)	5018 ( 8)	5354 (19)	3829 (30)	47.2	22	25-Jun	13.1	86	5
BOB	5073 ( 5)	4917 (12)	5171 (21)	3424 (36)	48.0	20	26-Jun	12.9	87	4
CAMAS	4535 ( 6)	4257 (15)	5114 (22)	3583 (34)	48.4	25	27-Jun	13.3	79	7
XENA	4308 ( 8)	4130 (16)	5077 (23)	3351 (37)	47.0	22	25-Jun	13.8	83	5
BOULDER	—	5477 ( 2)	6081 ( 5)	4531 (20)	50.0	25	25-Jun	14.1	88	5
CEBEKO 0149	—	5282 ( 4)	5768 (10)	4272 (24)	47.0	22	25-Jun	13.5	88	3
WA 8569-99	—	5212 ( 6)	5754 (11)	4262 (25)	47.4	23	24-Jun	13.1	84	5
WA 10701-99	—	4994 (11)	5685 (14)	4780 ( 7)	48.1	27	25-Jun	13.7	87	5
AC METCALFE	—	4881 (13)	5474 (18)	4254 (26)	47.4	29	25-Jun	13.8	90	4
YU-501-385	—	—	6843 ( 1)	5678 ( 1)	50.4	31	25-Jun	13.0	90	3
WA 10429-00	—	—	6174 ( 4)	5193 ( 3)	46.5	30	25-Jun	12.8	83	5
WA 7330-00	—	—	6062 ( 6)	4581 (16)	47.9	25	25-Jun	13.1	87	4
WA 15279-00	—	—	6005 ( 7)	4416 (22)	45.8	23	24-Jun	13.3	84	5
01NZ111	—	—	5687 (13)	4560 (19)	49.7	24	26-Jun	13.5	79	8
02WNZ1821	—	—	—	5000 ( 4)	47.3	27	25-Jun	12.7	90	3
02WNZ1826	—	—	—	4881 ( 6)	45.9	28	24-Jun	12.0	86	4
02WNZ1990	—	—	—	4757 ( 8)	46.4	28	26-Jun	13.1	83	5
02WNZ1551	—	—	—	4729 (10)	47.6	23	24-Jun	13.8	91	3
02WNZ1874	—	—	—	4715 (11)	47.8	28	25-Jun	12.1	85	5
BURTON	—	—	—	4709 (12)	49.0	27	24-Jun	13.9	92	2
02WNZ1719	—	—	—	4360 (23)	46.7	26	26-Jun	12.7	87	4
02WNZ1015	—	—	—	4148 (27)	48.0	22	24-Jun	13.9	88	4
01WA13825.22	—	—	—	4138 (28)	47.8	23	24-Jun	13.6	87	4
02WNZ1100	—	—	—	3672 (32)	47.4	21	25-Jun	13.3	90	3
00WNZ154	—	—	—	3620 (33)	45.5	20	25-Jun	13.9	87	4
SPAULDING	—	—	—	3570 (35)	49.1	23	26-Jun	13.2	84	6
2001NZ078	—	—	—	3200 (38)	45.7	19	25-Jun	12.1	74	9
02WNZ1095	—	—	—	2921 (39)	46.3	20	25-Jun	13.8	80	7
02WNZ1023	—	—	—	2120 (40)	45.8	19	25-Jun	14.2	79	7
<b>6-Row</b>										
MOREX	4481 ( 7)	4286 (14)	4596 (24)	3685 (31)	47.7	36	25-Jun	13.2	91	2
01NZ706	—	5285 ( 3)	5964 ( 8)	4568 (17)	44.1	31	26-Jun	12.6	90	4
CREEL	—	5010 ( 9)	5534 (16)	4463 (21)	44.4	31	25-Jun	11.9	73	8
LEGACY	—	4997 (10)	5300 (20)	4605 (15)	46.4	36	25-Jun	12.4	88	3
01NZ392	—	—	6445 ( 2)	5287 ( 2)	45.3	31	25-Jun	12.4	87	4
01NZ338	—	—	5721 (12)	4052 (29)	44.2	29	24-Jun	12.9	92	3
TRADITION	—	—	5511 (17)	4564 (18)	48.2	37	24-Jun	12.4	92	2
2001NZ384	—	—	—	4908 ( 5)	45.5	30	25-Jun	12.8	90	3
Mean	4955	4991	5714	4286	47.0	26	24-Jun	13.1	86	5
CV%	13.3	14.4	13.0	21.1	2.1	—	—	—	—	—
LSD @ .10	401	564	713	1226	1.3	—	—	—	—	—

Planted: 21 Apr 05

Harvested: 24 Aug 05

TABLE WA4419. 2005 WSU EXTENSION SPRING BARLEY NURSERY AT LAMONT, WA.

VARIETY NAME	5 YEAR AVERAGE (LB/A)	3 YEAR AVERAGE (LB/A)	2 YEAR AVERAGE (LB/A)	YIELD (LB/A)	TEST WT. (LBS/BU)	PLANT HT	2005 HEAD DATE	% PROTEIN	% PLUMP	% THIN
<b>2-Row</b>										
BARONESSE	3381 ( 1)	3765 ( 1)	4423 ( 1)	5959 ( 2)	51.6	30	4-Jun	14.0	91	4
RADIANT	3302 ( 2)	3617 ( 2)	4386 ( 2)	6206 ( 1)	52.0	33	4-Jun	13.0	89	5
BOB	3105 ( 3)	3476 ( 3)	4056 ( 5)	5847 ( 3)	52.3	31	5-Jun	14.1	95	2
XENA	3048 ( 4)	3228 ( 6)	3797 ( 8)	5274 (10)	51.5	31	4-Jun	13.0	93	2
CAMAS	2984 ( 5)	3160 ( 9)	3800 ( 7)	5560 ( 5)	52.3	33	5-Jun	13.0	92	3
FARMINGTON	2860 ( 6)	3190 ( 8)	3670 (11)	4950 (24)	51.8	26	6-Jun	13.7	90	3
HARRINGTON	2683 ( 7)	2779 (12)	3372 (15)	4430 (34)	51.0	34	5-Jun	14.0	91	2
CEBEKO 0149	--	3462 ( 4)	4114 ( 3)	5790 ( 4)	51.2	28	7-Jun	13.9	93	2
WA 8569-99	--	3277 ( 5)	3779 (10)	5458 ( 7)	51.7	29	4-Jun	13.5	90	4
WA 10701-99	--	3200 ( 7)	3797 ( 9)	5223 (13)	51.4	33	5-Jun	13.7	90	4
BOULDER	--	2906 (10)	3560 (14)	4625 (30)	52.4	33	9-Jun	14.5	93	3
AC METCALFE	--	2805 (11)	3251 (16)	4884 (25)	51.1	36	6-Jun	14.0	93	3
YU-501-385	--	--	4109 ( 4)	5343 ( 9)	53.3	32	5-Jun	12.8	93	2
WA 15279-00	--	--	3885 ( 6)	5072 (18)	50.8	28	5-Jun	14.2	94	1
WA 10429-00	--	--	3637 (12)	4778 (27)	50.5	29	5-Jun	14.1	93	2
WA 7330-00	--	--	3585 (13)	5062 (19)	51.7	28	5-Jun	12.8	94	2
01NZ111	--	--	3098 (20)	4289 (35)	53.4	26	6-Jun	14.1	90	3
02WNZ1095	--	--	--	5536 ( 6)	51.3	31	4-Jun	13.5	87	4
BURTON	--	--	--	5377 ( 8)	51.3	32	5-Jun	13.9	93	2
01WA13825.22	--	--	--	5261 (11)	51.9	31	4-Jun	14.2	95	2
02WNZ1990	--	--	--	5234 (12)	51.4	32	4-Jun	14.2	95	2
02WNZ1023	--	--	--	5215 (14)	50.9	31	5-Jun	13.7	84	5
02WNZ1826	--	--	--	5169 (15)	50.8	33	5-Jun	14.1	94	2
02WNZ1100	--	--	--	5143 (16)	51.9	30	5-Jun	13.5	94	2
02WNZ1551	--	--	--	5094 (17)	51.7	31	4-Jun	14.1	91	3
2001NZ078	--	--	--	5030 (20)	50.0	24	8-Jun	13.3	77	8
02WNZ1015	--	--	--	5003 (22)	52.1	29	5-Jun	13.7	93	2
02WNZ1874	--	--	--	4995 (23)	52.2	31	5-Jun	14.0	93	3
SPAULDING	--	--	--	4862 (26)	52.7	31	6-Jun	12.3	85	6
02WNZ1821	--	--	--	4772 (28)	51.2	31	5-Jun	14.1	93	2
00WNZ154	--	--	--	4562 (32)	50.4	29	7-Jun	14.8	86	5
02WNZ1719	--	--	--	4518 (33)	50.0	32	5-Jun	13.5	92	3
<b>6-Row</b>										
MOREX	2024 ( 8)	2216 (15)	2554 (24)	3526 (40)	50.9	40	7-Jun	14.5	93	2
01NZ706	--	2670 (13)	3219 (19)	4710 (29)	49.0	36	5-Jun	13.1	94	2
LEGACY	--	2667 (14)	3093 (21)	3920 (37)	49.7	37	7-Jun	13.5	90	3
CREEL	--	2183 (16)	2737 (22)	3840 (39)	48.7	31	3-Jun	11.5	81	6
01NZ338	--	--	3250 (17)	5028 (21)	48.2	37	8-Jun	13.3	95	1
01NZ392	--	--	3224 (18)	4564 (31)	49.5	36	7-Jun	13.0	94	2
TRADITION	--	--	2693 (23)	3884 (38)	50.2	36	6-Jun	13.6	92	3
2001NZ384	--	--	--	4182 (36)	49.3	34	8-Jun	13.5	95	2
Mean	2923	3037	3545	4954	51.1	32	5-Jun	13.6	91	3
CV%	9.9	14.0	14.8	13.3	1.2	--	--	--	--	--
LSD @ .10	175	333	503	894	0.9	--	--	--	--	--

Planted: 21 Mar 05

Harvested: 8 Aug 05

TABLE WA4446. 2005 WSU EXTENSION SPRING BARLEY NURSERY AT MAYVIEW, WA. (GARFIELD COUNTY)

VARIETY NAME	5 YEAR AVERAGE (LB/A)	3 YEAR AVERAGE (LB/A)	2 YEAR AVERAGE (LB/A)	YIELD (LB/A)	TEST WT. (LBS/BU)	PLANT HT	2005 HEAD DATE	% PROTEIN	% PLUMP	% THIN
<b>2-Row</b>										
BARONESSE	3813 ( 1)	3786 ( 2)	3742 ( 3)	2791 ( 6)	45.8	25	30-Jun	11.3	58	13
XENA	3778 ( 2)	3827 ( 1)	3928 ( 1)	3299 ( 1)	43.6	27	29-Jun	10.9	53	12
RADIANT	3641 ( 3)	3575 ( 6)	3809 ( 2)	2862 ( 5)	47.0	24	30-Jun	11.1	38	23
FARMINGTON	3637 ( 4)	3577 ( 5)	3502 ( 6)	2672 (14)	45.2	23	30-Jun	11.4	63	12
BOB	3390 ( 5)	3357 ( 8)	3227 (13)	2450 (28)	46.5	26	1-Jul	11.4	76	7
CAMAS	3347 ( 6)	3271 (10)	3094 (15)	2655 (16)	47.8	26	1-Jul	10.5	68	9
HARRINGTON	3302 ( 7)	3256 (11)	3182 (14)	2691 ( 9)	47.8	25	30-Jun	11.2	70	8
CEBEKO 0149	---	3600 ( 3)	3468 ( 8)	2456 (27)	47.3	22	29-Jun	11.7	69	8
BOULDER	---	3579 ( 4)	3500 ( 7)	2565 (24)	44.3	25	30-Jun	10.7	72	8
WA 8569-99	---	3513 ( 7)	3382 (10)	2619 (21)	45.1	25	29-Jun	11.2	40	20
WA 10701-99	---	3300 ( 9)	3031 (17)	2470 (26)	47.3	26	30-Jun	11.3	65	10
AC METCALFE	---	3183 (12)	2998 (18)	2405 (32)	44.5	27	30-Jun	12.0	64	11
YU-501-385	---	---	3715 ( 4)	3069 ( 2)	45.1	26	29-Jun	10.6	60	10
01NZ111	---	---	3661 ( 5)	2672 (13)	48.3	23	30-Jun	10.7	51	14
WA 15279-00	---	---	3416 ( 9)	2673 (12)	45.5	26	29-Jun	10.7	69	8
WA 10429-00	---	---	3335 (11)	2904 ( 4)	46.7	26	30-Jun	10.9	63	10
WA 7330-00	---	---	3281 (12)	2643 (18)	43.7	27	29-Jun	11.1	58	11
02WNZ1095	---	---	---	3013 ( 3)	45.0	26	30-Jun	10.1	57	15
02WNZ1821	---	---	---	2725 ( 7)	46.1	25	30-Jun	10.9	62	11
02WNZ1719	---	---	---	2691 ( 8)	47.7	26	30-Jun	10.2	76	7
02WNZ1100	---	---	---	2690 (10)	49.0	25	29-Jun	10.2	71	8
02WNZ1551	---	---	---	2687 (11)	45.7	26	29-Jun	11.4	64	9
02WNZ1015	---	---	---	2663 (15)	45.1	23	29-Jun	11.2	55	15
02WNZ1990	---	---	---	2653 (17)	46.1	25	30-Jun	11.5	66	9
BURTON	---	---	---	2636 (20)	42.5	25	30-Jun	11.0	71	8
02WNZ1874	---	---	---	2636 (20)	42.6	25	30-Jun	11.4	56	16
01WA13825.22	---	---	---	2614 (22)	47.9	26	30-Jun	10.2	64	9
SPAULDING	---	---	---	2600 (23)	46.9	27	30-Jun	10.6	55	17
02WNZ1023	---	---	---	2482 (25)	45.6	24	1-Jul	10.7	32	27
00WNZ154	---	---	---	2449 (29)	47.2	22	30-Jun	11.4	49	20
02WNZ1826	---	---	---	2419 (31)	46.1	25	28-Jun	11.4	55	16
2001NZ078	---	---	---	2062 (38)	49.9	22	30-Jun	10.8	29	31
<b>6-Row</b>										
MOREX	2369 ( 8)	2273 (16)	2164 (24)	1654 (40)	45.8	33	29-Jun	10.7	42	21
CREEL	---	3090 (13)	3031 (16)	2362 (34)	46.1	29	30-Jun	10.0	34	25
01NZ706	---	3083 (14)	2895 (20)	2262 (36)	48.6	27	1-Jul	12.3	37	25
LEGACY	---	2902 (15)	2833 (21)	2249 (37)	45.8	30	30-Jun	10.3	33	29
01NZ392	---	---	2935 (19)	2424 (30)	46.2	27	29-Jun	10.9	46	19
01NZ338	---	---	2677 (22)	1877 (39)	45.8	28	28-Jun	11.7	53	19
TRADITION	---	---	2596 (23)	2270 (35)	46.8	30	30-Jun	10.0	57	12
2001NZ384	---	---	---	2400 (33)	48.1	29	30-Jun	11.8	68	9
Mean	3410	3323	3225	2560	46.2	26	29-Jun	11.0	57	14
CV%	8.8	7.6	7.6	10.7	2.7	---	---	---	---	---
LSD @ .10	183	198	234	373	1.7	---	---	---	---	---

Planted: 26 Apr 05

Harvested: 23 Aug 05

TABLE WA4461. 2005 WSU EXTENSION SPRING BARLEY NURSERY AT MOSES LAKE, WA. (IRRIGATED)

VARIETY NAME	YIELD LB/A	TEST WT	PLANT HT	HEAD DATE	LODGING %	2005		
						% PROTEIN	% PLUMP	% THIN
<b>2-Row</b>								
CEBEKO 0149	6363	52.4	32	26-May	0	8.9	99	1
RADIANT	6350	52.3	37	26-May	47	8.3	97	1
WA 8569-99	6304	53.6	35	26-May	33	8.7	95	3
02WNZ1023	6215	52.5	36	27-May	0	7.8	98	0
WA 7330-00	6199	52.8	35	27-May	22	9.5	99	0
WA 15279-00	6189	54.6	33	25-May	0	7.6	99	1
2001NZ078	6125	51.6	25	26-May	0	7.1	87	6
BOB	6119	53.5	38	27-May	38	10.3	99	0
BARONESSE	6099	53.5	35	27-May	17	11.7	99	1
02WNZ1821	6017	52.2	33	27-May	27	8.8	99	0
02WNZ1990	5896	53.7	37	27-May	58	12.0	99	0
XENA	5826	52.8	37	26-May	0	8.6	99	1
02WNZ1095	5802	52.4	34	27-May	0	8.3	99	1
FARMINGTON	5792	52.4	30	27-May	0	10.7	99	0
01WA13825.22	5780	53.2	38	27-May	50	9.7	99	1
02WNZ1874	5758	52.7	36	27-May	17	9.5	99	1
02WNZ1015	5740	52.6	32	26-May	27	8.2	98	1
BURTON	5726	53.4	38	25-May	3	8.4	99	1
02WNZ1719	5724	52.6	40	27-May	0	8.2	98	1
02WNZ1826	5695	53.2	37	27-May	33	8.3	99	0
02WNZ1551	5627	54.6	37	27-May	0	8.2	99	1
AC METCALFE	5585	53.4	36	27-May	3	9.1	99	0
YU-501-385	5543	52.9	37	27-May	0	9.3	98	1
WA 10701-99	5471	53.0	33	27-May	13	8.7	97	2
00WNZ154	5458	50.2	29	26-May	0	9.2	99	0
02WNZ1100	5402	52.3	36	27-May	2	8.8	98	1
BOULDER	5345	53.7	36	25-May	0	9.2	98	2
WA 10429-00	5295	52.9	35	26-May	33	8.5	99	0
01NZ111	5292	54.2	26	27-May	0	8.4	98	0
HARRINGTON	5206	53.3	38	28-May	18	8.8	98	1
SPAULDING	5173	53.9	33	26-May	0	8.4	99	0
CAMAS	5072	53.1	35	27-May	17	9.4	98	1
<b>6-Row</b>								
CREEL	6153	51.0	38	27-May	27	8.7	96	2
2001NZ384	5120	49.3	37	27-May	15	10.6	99	0
01NZ706	4836	48.8	37	26-May	3	9.4	99	1
LEGACY	4715	51.3	38	27-May	0	8.7	99	1
01NZ338	4629	49.7	37	26-May	0	8.8	99	1
01NZ392	4427	48.6	35	26-May	0	8.9	98	1
TRADITION	3863	50.0	37	27-May	0	9.0	97	1
MOREX	3783	50.3	44	25-May	20	9.3	98	1
Mean	5543	52.4	35	26-May	13	9.0	98	1
CV%	9.6	1.1	---	---	---	---	---	---
LSD @ .10	726	0.8	---	---	---	---	---	---

Planted: 9 Mar 05

Harvested: 11 Aug 05

TABLE WA4401. 2005 WSU EXTENSION SPRING BARLEY NURSERY AT PULLMAN, WA.

VARIETY NAME	5 YEAR AVERAGE (LB/A)	3 YEAR AVERAGE (LB/A)	2 YEAR AVERAGE (LB/A)	YIELD (LB/A)	TEST WT. (LBS/BU)	PLANT HT	2005				
	HEAD DATE	LODGING %	% PROTEIN	% PLUMP	% THIN						
<b>2-Row</b>											
XENA	5785 ( 1)	5738 ( 1)	6249 ( 3)	4638 (12)	49.6	30	25-Jun	0	13.2	24	31
BARONESSE	5543 ( 2)	5414 ( 5)	5678 ( 9)	4145 (30)	46.8	28	24-Jun	2	12.4	24	35
CAMAS	5453 ( 3)	5155 (10)	5442 (14)	4818 ( 9)	53.9	30	21-Jun	0	12.2	64	10
RADIANT	5416 ( 4)	5087 (12)	5191 (21)	3791 (36)	47.1	27	27-Jun	0	12.4	25	46
FARMINGTON	5386 ( 5)	5166 ( 9)	5595 (10)	4623 (13)	51.1	30	27-Jun	0	12.2	59	6
BOB	5247 ( 6)	5092 (11)	5415 (17)	4682 (11)	50.5	30	21-Jun	0	12.7	57	18
HARRINGTON	5136 ( 7)	4887 (15)	5047 (23)	3573 (40)	46.8	28	27-Jun	0	13.1	36	29
BOULDER	--	5546 ( 3)	5916 ( 8)	4880 ( 8)	53.7	29	24-Jun	0	12.1	61	14
CEBECO 0149	--	5310 ( 6)	5557 (12)	4496 (16)	49.6	26	27-Jun	0	13.3	53	13
WA 10701-99	--	5283 ( 7)	5558 (11)	4217 (28)	48.1	28	25-Jun	12	13.1	36	30
WA 8569-99	--	5240 ( 8)	5530 (13)	3917 (35)	45.3	28	26-Jun	17	12.4	14	55
AC METCALFE	--	4943 (14)	5108 (22)	3607 (39)	48.2	28	24-Jun	0	12.9	33	23
YU-501-385	--	--	6156 ( 4)	4928 ( 7)	51.3	30	21-Jun	12	12.5	34	30
01NZ111	--	--	5922 ( 7)	4612 (14)	52.8	26	27-Jun	0	13.0	33	24
WA 15279-00	--	--	5442 (15)	4031 (32)	46.1	29	26-Jun	0	12.7	40	24
WA 7330-00	--	--	5371 (18)	4332 (23)	48.7	29	25-Jun	0	12.3	33	29
WA 10429-00	--	--	5334 (19)	3710 (38)	45.7	29	25-Jun	0	12.5	38	22
02WNZ1100	--	--	--	5148 ( 3)	50.9	30	25-Jun	0	11.8	46	19
02WNZ1015	--	--	--	4979 ( 6)	48.4	29	27-Jun	0	11.7	52	16
00WNZ154	--	--	--	4698 (10)	49.0	25	25-Jun	0	13.3	39	20
01WA13825.22	--	--	--	4580 (15)	50.1	30	24-Jun	0	12.6	30	29
02WNZ1095	--	--	--	4460 (17)	49.1	27	24-Jun	47	12.0	24	31
BURTON	--	--	--	4400 (19)	50.4	28	25-Jun	0	13.4	47	16
02WNZ1551	--	--	--	4363 (20)	49.9	29	27-Jun	0	14.3	38	24
SPAULDING	--	--	--	4356 (21)	50.7	30	24-Jun	0	12.3	37	33
02WNZ1719	--	--	--	4330 (24)	46.5	29	28-Jun	0	12.4	38	23
02WNZ1023	--	--	--	4282 (25)	48.0	27	28-Jun	0	12.2	27	35
02WNZ1821	--	--	--	4262 (26)	48.5	27	24-Jun	0	12.7	31	31
2001NZ078	--	--	--	4108 (31)	47.0	25	27-Jun	0	12.9	18	35
02WNZ1990	--	--	--	3927 (33)	47.3	26	26-Jun	0	14.1	43	20
02WNZ1874	--	--	--	3918 (34)	48.0	29	26-Jun	15	12.4	25	36
02WNZ1826	--	--	--	3779 (37)	44.6	30	27-Jun	25	12.8	44	27
<b>6-Row</b>											
MOREX	4623 ( 8)	4534 (16)	4853 (24)	4223 (27)	48.9	40	20-Jun	93	13.2	23	31
CREEL	--	5692 ( 2)	6286 ( 2)	5098 ( 4)	48.6	36	19-Jun	0	11.8	28	29
01NZ706	--	5458 ( 4)	6005 ( 6)	4453 (18)	46.2	32	23-Jun	0	13.1	22	37
LEGACY	--	5077 (13)	5440 (16)	4178 (29)	48.5	35	21-Jun	80	12.5	36	28
01NZ392	--	--	6459 ( 1)	5406 ( 1)	49.4	35	23-Jun	0	11.7	43	15
01NZ338	--	--	6064 ( 5)	4992 ( 5)	46.5	37	24-Jun	0	12.4	24	34
TRADITION	--	--	5331 (20)	4352 (22)	49.9	35	22-Jun	0	12.0	44	21
2001NZ384	--	--	--	5359 ( 2)	48.2	36	24-Jun	0	12.3	64	11
Mean	5324	5226	5623	4416	48.7	30	24-Jun	8	12.6	37	26
CV%	5.3	5.8	5.6	5.5	2.0	--	--	--	--	--	--
LSD @ .10	171	238	304	333	1.3	--	--	--	--	--	--

Planted: 9 Mar 05

Harvested: 12 Aug 05

TABLE WA4431. 2005 WSU EXTENSION SPRING BARLEY NURSERY AT REARDAN, WA.

VARIETY NAME	5 YEAR	3 YEAR	2 YEAR	YIELD (LB/A)	TEST WT. (LBS/BU)	PLANT HT	2005			
	AVERAGE (LB/A)	AVERAGE (LB/A)	AVERAGE (LB/A)				HEAD DATE	% PROTEIN	% PLUMP	% THIN
<b>2-Row</b>										
BARONESSE	4397 ( 1)	4194 ( 1)	4521 ( 5)	4054 (15)	47.9	31	25-Jun	12.0	81	4
RADIANT	4312 ( 2)	4049 ( 6)	4510 ( 6)	4117 (14)	47.7	33	25-Jun	11.8	60	13
XENA	4308 ( 3)	4108 ( 3)	4677 ( 1)	4335 ( 3)	49.3	33	25-Jun	11.2	75	4
CAMAS	4283 ( 4)	3879 (11)	4135 (17)	4234 ( 7)	51.4	35	27-Jun	11.4	91	1
BOB	4241 ( 5)	3913 ( 9)	4440 ( 8)	4150 (11)	50.5	33	26-Jun	12.3	89	2
FARMINGTON	4181 ( 6)	3984 ( 7)	4231 (12)	3798 (29)	47.7	27	25-Jun	12.8	80	3
HARRINGTON	3994 ( 7)	3742 (15)	4170 (16)	4008 (18)	47.9	33	25-Jun	11.3	92	2
CEBEKO 0149	---	4165 ( 2)	4581 ( 3)	4181 ( 8)	47.5	28	25-Jun	12.3	87	3
WA 8569-99	---	4088 ( 4)	4577 ( 4)	3858 (26)	47.6	30	25-Jun	11.3	49	16
BOULDER	---	4085 ( 5)	4224 (13)	4033 (16)	51.4	34	25-Jun	11.6	93	2
WA 10701-99	---	3970 ( 8)	4278 (10)	3976 (22)	48.8	34	25-Jun	11.3	75	6
AC METCALFE	---	3859 (12)	4236 (11)	3837 (27)	47.8	35	25-Jun	12.6	90	2
YU-501-385	---	---	4613 ( 2)	4577 ( 1)	51.6	34	25-Jun	11.5	86	3
WA 15279-00	---	---	4490 ( 7)	4158 ( 9)	47.7	30	25-Jun	11.7	89	2
01NZ111	---	---	4428 ( 9)	3782 (30)	50.1	27	26-Jun	11.9	67	7
WA 10429-00	---	---	4179 (15)	3836 (28)	47.3	31	26-Jun	12.2	83	3
WA 7330-00	---	---	4119 (18)	3936 (24)	49.2	30	25-Jun	11.3	86	3
02WNZ1015	---	---	---	4392 ( 2)	49.4	29	25-Jun	11.5	88	2
02WNZ1095	---	---	---	4304 ( 4)	50.1	33	25-Jun	10.9	80	5
02WNZ1023	---	---	---	4274 ( 5)	49.0	31	26-Jun	11.0	70	8
SPAULDING	---	---	---	4261 ( 6)	51.1	35	25-Jun	11.4	83	5
02WNZ1100	---	---	---	4157 (10)	49.9	32	25-Jun	10.9	90	2
01WA13825.22	---	---	---	4132 (13)	49.1	33	25-Jun	11.8	71	6
02WNZ1821	---	---	---	4025 (17)	49.1	31	25-Jun	11.2	87	2
BURTON	---	---	---	4005 (20)	49.6	34	25-Jun	13.0	90	2
02WNZ1874	---	---	---	4005 (20)	49.2	33	25-Jun	11.5	90	2
00WNZ154	---	---	---	3991 (21)	48.2	29	25-Jun	11.5	83	4
02WNZ1719	---	---	---	3937 (23)	48.2	33	27-Jun	11.0	95	1
02WNZ1551	---	---	---	3920 (25)	48.6	32	24-Jun	11.5	78	2
2001NZ078	---	---	---	3771 (31)	44.3	27	25-Jun	11.6	30	29
02WNZ1990	---	---	---	3760 (32)	48.0	30	25-Jun	12.1	92	3
02WNZ1826	---	---	---	3711 (34)	46.2	33	24-Jun	11.4	89	2
<b>6-Row</b>										
MOREX	3467 ( 8)	3176 (16)	3272 (24)	3259 (40)	48.7	42	24-Jun	12.6	81	3
CREEL	---	3903 (10)	4219 (14)	3537 (37)	46.7	38	27-Jun	11.2	78	6
LEGACY	---	3803 (13)	4095 (20)	3662 (35)	45.9	40	25-Jun	12.5	59	14
01NZ706	---	3797 (14)	4115 (19)	3712 (33)	44.6	39	27-Jun	13.1	77	5
01NZ392	---	---	3962 (21)	3498 (38)	46.9	35	26-Jun	13.6	79	3
01NZ338	---	---	3923 (22)	3658 (36)	45.5	37	24-Jun	13.4	83	4
TRADITION	---	---	3519 (23)	3467 (39)	48.7	39	25-Jun	12.8	79	4
2001NZ384	---	---	---	4140 (12)	47.2	38	25-Jun	11.8	89	1
Mean	4148	3920	4230	3961	48.4	33	25-Jun	11.8	80	5
CV%	8.8	6.6	5.9	5.7	1.4	---	---	---	---	---
LSD @ .10	223	202	239	308	0.9	---	---	---	---	---

Planted: 20 Apr 05

Harvested: 25 Aug 05

TABLE WA4428. 2005 WSU EXTENSION SPRING BARLEY NURSERY AT ST. JOHN, WA.

VARIETY NAME	5 YEAR AVERAGE (LB/A)	3 YEAR AVERAGE (LB/A)	2 YEAR AVERAGE (LB/A)	YIELD (LB/A)	TEST WT. (LBS/BU)	PLANT HT	2005			
	HEAD DATE	% PROTEIN	% PLUMP	% THIN						
<b>2-Row</b>										
BOB	4245 ( 1)	4611 ( 2)	4630 ( 7)	4516 ( 6)	53.4	33	15-Jun	11.4	92	1
RADIANT	4188 ( 2)	4556 ( 4)	4721 ( 4)	4245 (14)	50.4	29	16-Jun	11.5	82	3
BARONESSE	4183 ( 3)	4589 ( 3)	4639 ( 6)	4215 (17)	50.3	31	17-Jun	12.3	70	8
XENA	4073 ( 4)	4511 ( 6)	4569 ( 9)	4377 (11)	51.3	30	16-Jun	12.6	85	2
FARMINGTON	3843 ( 5)	4124 ( 8)	4324 (12)	3765 (27)	51.8	26	18-Jun	12.7	74	4
CAMAS	3751 ( 6)	4085 (10)	4058 (16)	3881 (22)	52.3	33	17-Jun	12.5	91	2
HARRINGTON	3557 ( 7)	3720 (14)	3623 (21)	3088 (38)	49.6	28	17-Jun	11.3	83	4
WA 8569-99	---	4792 ( 1)	4943 ( 1)	5024 ( 2)	51.2	32	17-Jun	11.7	67	9
WA 10701-99	---	4529 ( 5)	4571 ( 8)	4339 (12)	52.3	30	17-Jun	12.5	85	3
CEBEKO 0149	---	4268 ( 7)	4212 (13)	3716 (28)	51.0	27	18-Jun	11.7	85	2
BOULDER	---	4108 ( 9)	4105 (15)	3768 (26)	53.2	31	17-Jun	11.9	88	2
AC METCALFE	---	3788 (13)	3775 (19)	3332 (37)	50.5	31	17-Jun	12.2	90	3
YU-501-385	---	---	4930 ( 2)	4962 ( 4)	54.1	33	16-Jun	11.5	80	3
WA 15279-00	---	---	4826 ( 3)	5034 ( 1)	49.7	33	16-Jun	11.7	78	6
01NZ111	---	---	4641 ( 5)	4284 (13)	53.5	27	18-Jun	12.0	85	2
WA 7330-00	---	---	4544 (10)	4421 (10)	51.2	30	17-Jun	11.7	93	1
WA 10429-00	---	---	4403 (11)	4078 (18)	49.7	28	17-Jun	11.6	82	3
02WNZ1095	---	---	---	5018 ( 3)	52.5	33	17-Jun	12.3	80	5
02WNZ1821	---	---	---	4788 ( 5)	51.7	31	17-Jun	13.0	80	5
02WNZ1100	---	---	---	4454 ( 7)	52.3	30	18-Jun	12.1	84	4
BURTON	---	---	---	4453 ( 8)	51.9	32	17-Jun	11.6	94	1
01WA13825.22	---	---	---	4449 ( 9)	52.3	31	17-Jun	11.2	89	1
02WNZ1719	---	---	---	4230 (15)	49.7	32	17-Jun	12.6	77	6
02WNZ1015	---	---	---	4223 (16)	52.3	29	18-Jun	11.8	82	3
02WNZ1023	---	---	---	4016 (19)	50.4	30	17-Jun	11.9	67	9
00WNZ154	---	---	---	4012 (20)	50.5	31	18-Jun	12.3	81	5
02WNZ1826	---	---	---	3804 (23)	49.6	29	18-Jun	12.7	76	7
2001NZ078	---	---	---	3786 (25)	48.8	25	18-Jun	11.4	56	14
02WNZ1551	---	---	---	3648 (31)	50.9	29	15-Jun	13.3	74	4
02WNZ1874	---	---	---	3590 (32)	51.0	29	17-Jun	13.9	52	15
SPAULDING	---	---	---	3526 (34)	53.2	32	17-Jun	11.6	83	4
02WNZ1990	---	---	---	3475 (36)	48.5	31	17-Jun	14.3	57	13
<b>6-Row</b>										
MOREX	3034 ( 8)	3062 (16)	2827 (24)	3548 (33)	51.2	39	18-Jun	13.9	87	2
01NZ706	---	3956 (11)	4039 (17)	3798 (24)	48.3	33	18-Jun	12.5	86	3
CREEL	---	3896 (12)	3745 (20)	2921 (40)	47.3	32	17-Jun	11.5	69	8
LEGACY	---	3658 (15)	3519 (22)	2963 (39)	49.2	37	16-Jun	13.1	82	3
01NZ392	---	---	4156 (14)	3659 (30)	49.4	35	20-Jun	12.9	90	2
01NZ338	---	---	4019 (18)	3519 (35)	48.2	34	18-Jun	13.3	91	1
TRADITION	---	---	3480 (23)	3696 (29)	51.3	37	17-Jun	12.8	83	3
2001NZ384	---	---	---	4002 (21)	49.2	34	17-Jun	12.5	97	0
Mean	3859	4141	4221	4015	50.9	31	17-Jun	12.3	81	4
CV%	8.1	9.7	12.4	13.9	2.1	---	---	---	---	---
LSD @ .10	190	313	501	759	1.5	---	---	---	---	---

Planted: 13 Apr 05

Harvested: 12 Aug 05

TABLE WA4415. 2005 WSU EXTENSION SPRING BARLEY NURSERY AT WALLA WALLA, WA.

VARIETY NAME	5 YEAR	3 YEAR	2 YEAR	YIELD (LB/A)	TEST WT. (LBS/BU)	PLANT HT	2005			
	AVERAGE (LB/A)	AVERAGE (LB/A)	AVERAGE (LB/A)				HEAD DATE	% PROTEIN	% PLUMP	% THIN
<b>2-Row</b>										
BARONESSE	3692 ( 1)	3888 ( 2)	4120 ( 2)	3485 ( 1)	49.3	24	1-Jun	10.4	80	5
BOB	3517 ( 2)	3400 ( 3)	3474 ( 9)	2826 (13)	48.3	24	1-Jun	12.7	57	17
XENA	3475 ( 3)	3329 ( 5)	3313 (12)	2462 (24)	46.1	25	1-Jun	15.5	21	43
FARMINGTON	3337 ( 4)	3296 ( 7)	3569 ( 7)	3006 ( 6)	46.4	23	3-Jun	10.7	84	6
CAMAS	3253 ( 6)	3180 ( 9)	3154 (14)	2288 (34)	46.8	26	1-Jun	14.0	16	58
RADIANT	3218 ( 7)	3211 ( 8)	3231 (13)	2856 (12)	48.0	25	1-Jun	14.5	35	33
HARRINGTON	3054 ( 8)	2916 (13)	3044 (16)	2530 (23)	43.4	25	2-Jun	15.0	35	31
BOULDER	---	3898 ( 1)	4289 ( 1)	3352 ( 2)	50.6	26	1-Jun	15.6	42	24
WA 8569-99	---	3071 (10)	2917 (21)	2446 (27)	47.0	24	1-Jun	15.4	13	63
WA 10701-99	---	3029 (11)	2877 (22)	2295 (33)	44.4	26	1-Jun	13.7	42	31
CEBEKO 0149	---	2994 (12)	2952 (19)	2242 (35)	47.3	21	3-Jun	16.0	31	36
AC METCALFE	---	2792 (15)	2709 (24)	2619 (19)	46.1	27	2-Jun	13.4	71	14
01NZ111	---	---	3743 ( 4)	2958 ( 9)	49.3	21	3-Jun	15.2	20	55
YU-501-385	---	---	3716 ( 6)	2411 (28)	47.3	26	1-Jun	14.5	14	52
WA 7330-00	---	---	3462 (10)	2618 (20)	46.7	24	1-Jun	13.5	62	21
WA 15279-00	---	---	3389 (11)	2677 (17)	46.3	24	1-Jun	14.1	53	25
WA 10429-00	---	---	2930 (20)	2634 (18)	43.9	26	1-Jun	15.2	12	65
BURTON	---	---	---	3277 ( 3)	47.9	26	2-Jun	12.6	85	2
02WNZ1990	---	---	---	3132 ( 4)	48.1	25	1-Jun	10.7	87	3
02WNZ1874	---	---	---	3057 ( 5)	48.6	26	1-Jun	10.7	79	7
02WNZ1100	---	---	---	3003 ( 7)	48.8	25	1-Jun	13.7	49	25
02WNZ1015	---	---	---	2975 ( 8)	46.4	24	1-Jun	12.7	73	12
02WNZ1551	---	---	---	2949 (10)	49.4	26	1-Jun	14.3	59	19
2001NZ078	---	---	---	2891 (11)	47.4	21	4-Jun	13.9	44	29
02WNZ1719	---	---	---	2747 (14)	45.6	27	1-Jun	13.1	57	22
02WNZ1826	---	---	---	2746 (15)	46.2	26	1-Jun	11.4	76	12
02WNZ1821	---	---	---	2682 (16)	47.0	25	1-Jun	12.8	61	20
SPAULDING	---	---	---	2617 (21)	47.6	26	1-Jun	11.6	65	15
00WNZ154	---	---	---	2597 (22)	45.0	22	3-Jun	12.3	73	13
02WNZ1095	---	---	---	2408 (29)	46.2	25	1-Jun	14.3	19	52
02WNZ1023	---	---	---	2393 (30)	46.8	24	3-Jun	14.7	21	55
01WA13825.22	---	---	---	2381 (32)	47.3	25	1-Jun	15.0	32	29
<b>6-Row</b>										
MOREX	3285 ( 5)	3365 ( 4)	3555 ( 8)	2455 (25)	46.0	30	30-May	12.5	69	9
LEGACY	---	3328 ( 6)	3731 ( 5)	2228 (36)	44.4	28	31-May	13.0	32	40
CREEL	---	2893 (14)	3114 (15)	2171 (38)	43.2	27	31-May	11.5	44	24
01NZ706	---	2713 (16)	2843 (23)	2094 (39)	40.4	28	31-May	13.5	10	59
TRADITION	---	---	3773 ( 3)	2448 (26)	44.6	29	31-May	13.9	19	44
01NZ338	---	---	2983 (17)	2190 (37)	42.9	26	31-May	13.6	20	39
01NZ392	---	---	2962 (18)	2047 (40)	42.4	29	31-May	12.1	72	9
2001NZ384	---	---	---	2392 (31)	43.7	26	31-May	13.0	59	21
Mean	3354	3207	3327	2639	46.3	25	1-Jun	13.4	47	28
CV%	14.2	17.0	20.4	25.8	3.8	---	---	---	---	---
LSD @ .10	290	428	653	926	2.4	---	---	---	---	---

Planted: 16 Mar 05

Harvested: 26 Jul 05