

## 2005 SPRING WHEAT

**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 wheat. 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 wheat stands to recover from the early soil moisture deficit conditions. However, it appeared that root systems became somewhat 'lazy' and survived on surface precipitation rather than developing deeper root systems needed to extract sub-surface moisture during grain fill when summer temperatures dried out moisture in the upper soil profile. This contributed to substantially lower average yield and test weight values. Stripe rust (*Puccinia striiformis* f. sp. *tritici*) appeared early in the 2005 growing season and favorable environmental conditions resulted in high inoculum levels. Unique to 2005 was that many hard red spring wheat varieties were infected with stripe rust. In addition, early infections in commercial fields in the seedling stage necessitated the need for fungicide applications that historically have not been needed in many areas of the state. According to Dr. X. Chen, Plant Pathologist, USDA/ARS, Pullman, WA "...the generally susceptible hard red winter wheat cultivars and the loss of resistance in several hard red spring wheat cultivars will make stripe rust the most important disease on wheat (in the PNW)..." Hessian fly infestations continued to surface in higher rainfall, later maturing nursery locations (Farmington, Fairfield). Spring wheat yield reductions at these locations were strongly correlated to incidence of Hessian fly.

Grain yield averages were over 30% lower than the previous 3-year average. In general, yield rankings were similar to historical yield rankings at all locations; however, environmental conditions caused high levels of plot variation (Coefficient of Variation % - CV %), particularly in the soft white and hard white nurseries in 2005. With high environmental variability it is very important to look at historical yield performance to make variety selections. Even with the impact that stripe rust, Hessian fly and other pests are having on some of the older varieties, spring wheat breeding programs have a number of new disease/insect resistant varieties in the pipeline for each of the market classes.

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

### ALMIRA SPRING WHEAT

1. 2005 Spring Wheat data from the WSU Variety Testing nursery at the Almira location averaged 38.0, 38.1, and 36.5 bu/ac for soft white spring, hard white spring and hard red spring wheat, respectively. The 2005 spring wheat average yields were lower by 8.2%, 9.9% and 13.7% for soft white spring, hard white spring and hard red spring wheat, respectively, compared to the historical 3-year average. This nursery was planted re-crop following a 2004 winter wheat crop.
2. TEST WEIGHT values were low, probably influenced by late season dry soil conditions coupled with fairly shallow root distribution caused by seasonal May/June 2005 precipitation patterns that allowed roots to survive on surface moisture and limited development to deeper soil depths. The shallow root development was most detrimental during grain fill when roots were sitting in dry soil.
3. STRIPE RUST infections were present in this nursery and most notable were susceptible soft white common varieties such as Zak, Penawawa, Edwall and Fielder that exhibited

significant yield reductions. Edwall and Fielder also expressed significant reductions in TEST WEIGHT.

4. Average HEADING DATE (24 Jun 2005) was about a week later than the average 2004 heading date (17 Jun 2004).
5. In general, variety YIELD RANKINGS were similar to 3-year historical yield rankings with stripe rust susceptible varieties showing notably lower yields in 2005.

#### **BICKLETON SPRING WHEAT**

1. 2005 Spring Wheat data from the WSU Variety Testing nursery at the Bickleton dramatically depicts the impact of the 2005 drought conditions on spring cereals, particularly in annual crop situation in a low rainfall region. Average yields were roughly 60% to 75% BELOW historical 3-year average yields at the Bickleton location. Average yields were 7.6, 12.3 and 10.7 bushels per acre for soft white, hard white and hard red spring wheat varieties, respectively.
2. The 2005 nursery was planted on re-crop ground following a 2004 spring wheat crop. This area missed many of the spring rain storms and had little sub-surface moisture to survive on.
3. Extremely high PROTEIN values are indicative of the drought conditions this nursery was grown under.
4. STRIPE RUST infections were not an issue at this location.
5. In general, variety YIELD RANKINGS still track pretty well with 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.

#### **CONNELL SPRING WHEAT**

1. Spring wheat average yields from the WSU Variety Testing nursery at the Connell location averaged about 30% lower than the 3-year average yields. Most of this is associated with dry soil conditions and extremely dry conditions during March/April 2005. Spring emergence was slow and the nursery location missed many of the key rainstorms. Plant height is a fairly good indicator of poor crop development (this was similar at the Horse Heaven location). For example, Louise, SWH averaged 24 inches plant height in 2005 compared to 28.7 inches in the 2004 nursery; Otis HDWH averaged 24 inches in 2005 compared to 32.3 in 2004 and Scarlet HRS averaged 23 inches plant height in 2005 compared to 29 inches plant height in the 2004 nursery.
2. STRIPE RUST was prevalent in the nursery with 50%-60%% infection noted on 2 June 2005 in the most susceptible varieties. Stripe rust susceptible varieties, particularly in the soft white and hard white market classes generally had the lowest yields having about 50% lower yields than the highest yielding variety in the trial. TEST WEIGHT values were also lower in stripe rust susceptible varieties which were expected.
3. CEREAL LEAF BEETLE (CLB) damage was also observed in the 2005 nursery but damage was minimal. One observation was that CLB appeared to favor varieties with wider leaves that also had leaves that drooped over – this would favor feeding by the CLB larvae – NOTE: this is strictly a preliminary field observation.
4. HEADING DATE was similar (about 25 May) to previous years.

#### **DAYTON SPRING WHEAT**

1. 2005 spring wheat yields from the WSU Variety Testing nursery at the Dayton location averaged only 23-25 bu/ac (easily 60% less than the historical yield averages for Dayton, 59.8 bu/ac). NOTE: the 2005 nursery was located approximately 15 miles NE of Dayton in the vicinity of Turner Elevator.
2. This spring wheat nursery (and the spring barley nursery at Dayton) dramatically reflect the impact of the 2005 spring growing conditions. 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 and high protein 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.

### **DUSTY SPRING WHEAT**

1. 2005 Spring Wheat data from the WSU Variety Testing nursery at the Dusty location averaged 18.8, 18.7, and 17.9 bu/ac for soft white spring, hard white spring and hard red spring wheat, respectively. The 2005 spring wheat average yields were 55%-60% below the historical 3-year average. This nursery was planted with a no-till drill as re-crop following a 2004 spring wheat crop. As we are finding in many of our re-crop spring wheat and spring barley nurseries, the spring 2005 environmental conditions (early season drought and cold soils), above average precipitation in May 2005 and dry soil conditions at the end of the growing season did not favor spring cereal crop development. In many cases, root systems survived off May precipitation and did not develop very deep into the soil profile. When moisture was needed at the end of the season for final growth and kernel development, the root systems were unable to provide sufficient moisture. This can also be observed in low TEST WEIGHT values.
2. Average PLANT HEIGHT in the 2005 nursery was 27.0 inches compared to an average plant height in the 2004 nursery of 34.4 inches. This is an indication of the impact of the 2005 growing conditions.
3. The environmental conditions caused high levels of plot variations (CV %) in the nursery in 2005. In general, variety YIELD RANKINGS were similar to 3-year historical yield rankings, even though the yields were substantially lower in 2005. With high environmental variability in 2005, it is very important to look at historical yield performance for this nursery in making variety selections.

### **FAIRFIELD SPRING WHEAT**

1. 2005 Spring Wheat data from the WSU Variety Testing nursery at the Fairfield location averaged 42.9, 50.8, and 57.6 bu/ac for soft white spring, hard white spring and hard red spring wheat, respectively. The 2005 spring wheat average yields were lower by 37.3%, 30.6% and 20.6% for soft white spring, hard white spring and hard red spring wheat, respectively, compared to the historical 3-year average. This nursery was planted re-crop following a 2004 lentil crop.
2. STRIPE RUST infections were present in this nursery; however the impact of stripe rust was negligible.
3. HESSIAN FLY infestations were heavy in this nursery and caused substantial yield reductions in susceptible varieties. Hessian ratings were taken on 10 Aug 2005. The ratings were visual estimates of spring wheat tillers that exhibited stunted/deformed development caused by early spring Hessian fly infections. The Fairfield nursery typically experiences Hessian fly infestations and it appears an early infection at fairly high levels occurred during the spring 2005. It is worth noting that Hessian fly infection symptoms were measured at times in resistant varieties. This is probably a function of Hessian fly larvae feeding on tillers of resistant varieties before being killed or repelled by the Hessian fly resistance mechanism in a particular variety. There was a strong relationship to yield and percent Hessian fly damage. Most notable were susceptible varieties such as Fielder, Winsome and Scarlet that exhibited substantial yield reductions. Other varieties and experimental lines also showed high susceptibility to Hessian fly.

4. Overall TEST WEIGHT values were low, probably influenced by late season dry soil conditions coupled with fairly shallow root distribution caused by seasonal May/June 2005 precipitation patterns that allowed roots to survive on surface moisture and limited development to deeper soil depths. The shallow root development was most detrimental during grain fill when roots were sitting in dry soil.
5. In general, variety YIELD RANKINGS were similar to 3-year historical yield rankings excluding the impact of Hessian fly on susceptible varieties in 2005.

#### **FARMINGTON SPRING WHEAT**

1. 2005 Spring Wheat data from the WSU Variety Testing nursery at the Farmington location averaged 60.7, 61.7, and 62.6 bu/ac for soft white spring, hard white spring and hard red spring wheat, respectively. The 2005 spring wheat average yields were lower by 34.2%, 26.3% and 29.6% for soft white spring, hard white spring and hard red spring wheat, respectively, compared to the historical 3-year average. This nursery was planted re-crop following a 2004 winter wheat crop.
2. TEST WEIGHT values were low, probably influenced by late season dry soil conditions coupled with fairly shallow root distribution caused by seasonal May/June 2005 precipitation patterns that allowed roots to survive on surface moisture and limited development to deeper soil depths. The shallow root development was most detrimental during grain fill when roots were sitting in dry soil.
3. HESSIAN FLY ratings were taken on 10 Aug 2005. The ratings were visual estimates of spring wheat tillers that exhibited stunted/deformed development from early spring Hessian fly infections. The Farmington nursery typically experiences Hessian fly infestations and it appears an early infection at fairly high levels occurred during the spring 2005. It is worth noting that Hessian fly infection symptoms were measured at times in resistant varieties. This is probably a function of Hessian fly larvae feeding on tillers of resistant varieties before being killed or repelled by the Hessian fly resistance mechanism in a particular variety.
4. In general, variety YIELD RANKINGS were similar to 3-year historical yield rankings.

#### **HORSE HEAVEN SPRING WHEAT**

1. Spring wheat average yields from the WSU Variety Testing nursery at the Horse Heaven location average 50% to 60% lower than the 3-year average yields. Seed bed conditions at planting required the use of a deep-furrow drill to seed into moisture. Spring emergence was slow and the nursery location missed many of the key rainstorms. Plant height is a fairly good indicator of poor crop development. For example, Scarlet HRS averaged 20 inches plant height this year (2005) compared to 30 inches plant height in the 2004 nursery.
2. Stripe rust was prevalent in the nursery with 60%-90% infection noted on 1 June 2005 in the most susceptible varieties. Stripe rust susceptible varieties in all market classes generally had the lowest yields ranging 36% to 66% lower in yield than the highest yielding variety in the trial.

#### **LAMONT SPRING WHEAT**

1. 2005 Spring Wheat data from the WSU Variety Testing nursery at the Lamont location averaged 43.0, 51.0, and 49.0 bu/ac for soft white spring, hard white spring and hard red spring wheat, respectively. The 2005 spring wheat average yields were nearly 15% higher in the soft white wheat and close to 50% higher in the hard white and hard red spring wheat compared to the historical 3-year average. TEST WEIGHT values were also very good in this nursery – again, grown on summer fallow conditions.
2. STRIPE RUST infections were present in this nursery and most notable susceptible soft white common varieties such as Zak, Penawawa, Edwall and Fielder that exhibited

significant yield reductions as well as significant reductions in TEST WEIGHT.

3. In general, variety YIELD RANKINGS were similar to 3-year historical yield rankings.

### LIND SPRING WHEAT

1. Spring wheat average yields from the WSU Variety Testing nursery at the Lind location (WSU Dryland Research Station) averaged about 27%-31% lower than the 3-year average yields. As with other locations in this type of rainfall region most of the yield reduction is associated with dry soil conditions and extremely dry conditions during March/April 2005. Spring emergence was slow and the nursery location missed many of the key rainstorms. An additional factor observed in 2005 was that spring cereals developed fairly limited root systems caused by living off the May/June surface precipitation and being somewhat 'lazy' and not sending roots deeper into the soil after moisture which normally occurs.
2. PLANT HEIGHT indicators of poor crop development and growth are: Louise, SWH averaged 25 inches plant height in 2005 compared to 31.7 inches in the 2004 nursery; Otis HDWH averaged 28 inches in 2005 compared to 34.7 in 2004 and Scarlet HRS averaged 25 inches plant height in 2005 compared to 32 inches plant height in the 2004 nursery – all over 20% shorter in 2005.
3. Environmental conditions played a major role in fairly low test weight values and high grain protein percent values. Total N on this nursery was 50#/acre and the nursery was planted on summer fallow. The high protein levels are indicative of early nitrogen accumulation during kernel development followed by decreased carbohydrate filling of the kernels caused by dry soil conditions during later stages of kernel fill.
4. Average HEADING DATE was slightly later (2-3 days) than 2004 – not significantly different from normal.

### MAYVIEW SPRING WHEAT

1. 2005 Spring Wheat data from the WSU Variety Testing nursery at the Mayview location averaged 28.4, 30.5, and 34.3 bu/ac for soft white spring, hard white spring and hard red spring wheat, respectively. (*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 2005 spring wheat average yields were lower by 39.2%, 35.5% and 27.5% for soft white spring, hard white spring and hard red spring wheat, respectively, compared to the historical 3-year average. This nursery was planted re-crop following a 2004 winter wheat crop.
2. TEST WEIGHT values were low, probably influenced by late season dry soil conditions coupled with fairly shallow root distribution caused by seasonal May/June 2005 precipitation patterns that allowed roots to survive on surface moisture and limited development to deeper soil depths. The shallow root development was most detrimental during grain fill when roots were sitting in dry soil.
3. HEADING DATES were similar to the previous year; however, on heading averaged about 3-4 days earlier in 2005.
4. STRIPE RUST infections were present in this nursery. In general, susceptible varieties had the lower yield values and lower test weight values. Most notable was FIELDER soft white common that only had a yield of 15.6 bu/ac and a 38.1 lb/bu test weight. An interesting observation is HOLLIS HRS that is resistant to stripe rust but had the lowest yield average in the hard red spring nursery. This can probably be attributed to an average plant height of 36 inches that exceeded the average of all other varieties (27.3 inches) by over 9 inches. Apparently moisture was used for the extra plant growth and development at the expense of yield.
5. In general, variety YIELD RANKINGS were similar to 3-year historical yield rankings. Exceptions were varieties that were susceptible to stripe rust that did not perform as well in 2005.

### **MOSES LAKE SPRING WHEAT (IRRIGATED)**

1. 2005 Spring Wheat data from the WSU Variety Testing nursery at the Moses Lake (irrigated) location averaged 80.4, 102.3 and 96.0 bu/ac for soft white, hard white and hard red spring wheat nurseries, respectively. Average yield in the hard white and hard red nurseries were comparable to 2004 yields; however, average yield in the soft white nursery was 13% below the previous year. *NOTE: The 2005 nursery was located approximately 5 miles east of Moses Lake (vicinity of Wheeler) and was under a wheel line irrigation system following an alfalfa stand that had been taken out.*
2. There was heavy disease pressure from STRIPE RUST in this nursery and stripe rust infections were most apparent in the soft white spring nursery. Early infections of stripe rust (seedling infections) were minimal, most of the infection appeared at later stages of plant development. In general, yield and test weight reductions were linked to varietal susceptibility to stripe rust. For example, Edwall (highly susceptible to stripe rust) had a yield of 47.1 bu/ac (test weight of only 49.0 lb/bu) and Wakanz (resistant to stripe rust) topped the nursery at 104.9 bu/ac (test weight 59.6lb/bu). *NOTE: Stripe rust ratings will be provided as follow-up information.*
3. LEAF RUST infections were also prevalent late in the season in this nursery.
4. CEREAL LEAF BEETLE (CLB) infestations were also prevalent in this nursery. To date, CLB infestations have not required insecticide applications; however, the level of severity observed in 2005 may necessitate CLB control treatments in the spring wheat irrigated nurseries in subsequent years.
5. LODGING was prevented in the 2005 nursery with an application of Cerone\*. This compares to an average of nearly 50% lodging in the 2004 irrigated spring wheat nursery. The Cerone treatment reduced plant height by an average of 5.9 inches the 2005 nurseries compared to the 2004 nurseries (average of 34.1 inches in 2005 vs. 40.0 inches in 2004)
6. Variety yield ranking between the 2004 and 2005 nurseries bounced around a little; however, some of this may be a result of new entries in the 2005 nursery that exhibited improved yield performance. Also, the severe lodging in the 2004 nursery had a dramatic influence that tended blur the yield and quality performance for many varieties.

### **PULLMAN SPRING WHEAT**

1. 2005 Spring Wheat data from the WSU Variety Testing nursery at the Pullman location averaged 48.2, 51.5, and 56.6 bu/ac for soft white spring, hard white spring and hard red spring wheat, respectively. The 2005 spring wheat average yields were around 30% lower than the previous historical 3-year average.
2. Yield reductions in this nursery (located on the Spillman Agronomy Farm) can easily be summed up in two-words = STRIPE RUST. This nursery sustained early infections of stripe rust with a tremendous inoculum load throughout the entire spring growing season. In general, the lowest yielding varieties in all three market classes are stripe rust susceptible varieties.
3. In general, low TEST WEIGHT values were also associated with stripe rust such as Edwall that exhibited over a 50% yield loss compared to the highest yielding variety in the soft white spring nursery and had only a 50.5 lb/bu test weight.
4. In general, variety YIELD RANKINGS were similar to 3-year historical yield rankings and some of the newer experimental lines included in the nursery show good stripe rust resistance and yield potential.

### **REARDAN SPRING WHEAT**

1. 2005 Spring Wheat data from the WSU Variety Testing nursery at the Reardan location averaged 38.4, 45.27, and 48.5 bu/ac for soft white spring, hard white spring and hard red spring wheat, respectively. The 2005 spring wheat average yields were lower by 31.7%, 23.2% and 11.1% for soft white spring, hard white spring and hard red spring wheat, respectively, compared to the historical 3-year average. This nursery was planted re-crop following a 2004 winter wheat crop.
2. STRIPE RUST infections were present in this nursery and most notable were susceptible varieties such as Zak, Penawawa, Edwall, Fielder, Winsome and Scarlet that exhibited substantial yield and test weight reductions.
3. Overall TEST WEIGHT values were low, probably influenced by late season dry soil conditions coupled with fairly shallow root distribution caused by seasonal May/June 2005 precipitation patterns that allowed roots to survive on surface moisture and limited development to deeper soil depths. The shallow root development was most detrimental during grain fill when roots were sitting in dry soil.
4. In general, variety YIELD RANKINGS were similar to 3-year historical yield rankings but it was apparent that stripe rust resistance is an important consideration in varietal selection for this area.

### **RITZVILLE SPRING WHEAT**

1. 2005 Spring Wheat data from the WSU Variety Testing nursery at the Ritzville location averaged 11.6, 12.1, and 12.2 bu/ac for soft white spring, hard white spring and hard red spring wheat, respectively. The 2005 spring wheat average yields were over 60% below the historical 3-year average. This nursery was planted with a no-till drill as re-crop following a 2004 winter wheat crop. As we are finding in many of our re-crop spring wheat and spring barley nurseries, the spring 2005 environmental conditions (early season drought and cold soils), above average precipitation in May 2005 and dry soil conditions at the end of the growing season did not favor spring cereal crop development. In many cases, root systems survived off May precipitation and did not develop very deep into the soil profile. When moisture was needed at the end of the season for final growth and kernel development, the root systems were unable to provide sufficient moisture. This can also be observed in low TEST WEIGHT values. There was also a series of root disease complexes that appeared in this nursery.
2. Average PLANT HEIGHT in the 2005 nursery was 21.3 inches compared to an average plant height in the 2004 nursery of 28.3 inches. The reduced plant height is an indication of the impact of the 2005 growing conditions.
3. The environmental conditions caused high levels of plot variations (CV %) particularly in the soft white and hard white nurseries in 2005. In general, variety YIELD RANKINGS were similar to 3-year historical yield rankings, even though the yields were substantially lower in 2005. With high environmental variability in 2005, it is very important to look at historical yield performance for this nursery in making variety selections.

### **ST ANDREWS (Douglas Co) SPRING WHEAT**

1. 2005 Spring Wheat data from the WSU Variety Testing nursery at the St Andrews location averaged 27.6, 23.5, and 24.1 bu/ac for soft white spring, hard white spring and hard red spring wheat, respectively. The 2005 spring wheat average yields were nearly 17% higher in the soft white wheat and similar to the 3-year average for hard white and hard red spring wheat varieties. This nursery was planted as re-crop under no-till conditions (cross-slot drill) following a 2004 spring oat crop. This nursery has been in continuous spring crop since established in 2003. *NOTE: The St Andrews location is located on Bill & Dean McLean's farm in Douglas County, approximately 10 miles north*

- of Coulee City, WA off SR17.*
2. This location represents a low rainfall region with limited precipitation during the 2005 growing season that can be observed in high grain protein percentages for all wheat market classes evaluated.
  3. In general, variety YIELD RANKINGS were similar to 3-year historical yield rankings.

### **ST JOHN SPRING WHEAT**

1. 2005 Spring Wheat data from the WSU Variety Testing nursery at the St John location averaged 45.3, 51.3, and 51.7 bu/ac for soft white spring, hard white spring and hard red spring wheat, respectively. The 2005 spring wheat average yields were nearly 25% lower for all market classes compared to the previous 3-year average yields. Two significant factors contributed to the yield drop in 2005: abnormal spring growing conditions and stripe rust.
2. GRAIN YIELD averages were heavily influenced by the spring growing conditions (cold and dry in early spring, favorable moisture in May/June 2005, limited root development into the lower soil profile caused by plants supported by late season spring precipitation that kept the upper soil profile wet. Late season hot and dry conditions forced plants to fill with root systems sitting in dry soil in the upper soil profile. Also, the previous crop year (2004) was an ideal year for spring wheat production at the St John location. For example Louise and Alpowa had 2004 yields of 79.8 and 70.3 bu/ac, respectively compared to 2005 average yields of 55.6 bu/ac (Louise) and 54.3 bu/ac (Alpowa).
3. STRIPE RUST evaluations taken on 12 June 2005 showed high infection levels. Susceptible varieties such as Fielder had 90% infection levels (type 9 = very severe). Other examples of severity were: Winsome (70%, type 7) and Scarlet (90%, type 5). In general, yield rankings in the 2005 nurseries tracked with stripe rust resistant characteristics of individual varieties.
4. TEST WEIGHT values were also influenced, particularly in the soft white spring wheat nursery, by stripe rust. Edwall and Fielder, both highly susceptible varieties, had very low test weight averages.
5. YIELD COMPARISONS at this location should focus on historical yield rankings with particular attention paid to stripe rust resistance characteristics. Normally, the St John location experiences limited stripe rust infections and the infections have normally appeared late enough that yield reductions were fairly negligible except in high susceptible varieties. This was not the case in 2005.

### **WALLA WALLA SPRING WHEAT**

1. 2005 Spring Wheat data from the WSU Variety Testing nursery at the Walla Walla location averaged 29.5, 34.8, and 31.9 bu/ac for soft white spring, hard white spring and hard red spring wheat, respectively. The 2005 spring wheat average yields were 30% - 38% lower than the historical 3-year average. 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. Low TEST WEIGHT values are also indicative of the poor 2005 growing conditions for spring crops in this region.
2. STRIPE RUST infections were present in this nursery on a 14 June 2005 evaluation. Notable susceptible soft white common varieties such as, Penawawa, Edwall and Fielder exhibited significant yield reductions as well as significant reductions in TEST WEIGHT. Stripe rust infections related to yield were not as well defined in hard white and hard red spring wheat varieties.
3. In general, variety YIELD RANKINGS were similar to 3-year historical yield rankings. However, due to a fairly high 2005 nursery variation (CV %) historical 3-yr and 5-yr average yield values are better indicators when making comparisons among varieties.

## 2005 SOFT WHITE SPRING WHEAT

### 2005 Soft White Spring Wheat

Table XMC0532	Disease index rating for Stripe Rust
Table WA43YD.	Soft White Spring Wheat Yield Summary
Table WA43TW.	Soft White Spring Test Weight Summary
Table WA43PR.	Soft White Spring Wheat Protein Summary
Table WA4362.	Almira
Table WA4337.	Bickleton
Table WA4347.	Connell
Table WA4316.	Dayton
Table WA4327.	Dusty
Table WA4333.	Fairfield
Table WA4339.	Farmington
Table WA4320.	Horse Heaven
Table WA4319.	Lamont
Table WA4305.	Lind
Table WA4346.	Mayview
Table WA4361.	Moses Lake
Table WA4301.	Pullman
Table WA4331.	Reardan
Table WA4317.	Ritzville
Table WA4354.	St. Andrews
Table WA4328.	St. John
Table WA4315.	Walla Walla

TABLE XMC0532. STRIPE RUST INFECTION TYPE (IT) AND SEVERITY (%) ON CULTIVARS AND LINES IN THE <b>SPRING WHEAT</b> EXTENSION DISEASE NURSERY (EXP32) AT SPILLMAN FARM (LOC01), OB HILL (LOC02) AND WHITFLOW FARM (LOC04) NEAR PULLMAN, MT VERNON (LOC05); WALLA WALLA (LOC06); AND LIND (LOC07), WA WHEN RECORDED AT THE INDICATED DATES AND STAGES OF PLANT GROWTH IN 2005 UNDER NATURAL INFECTION. (Chen, X., USDA/ARS, August 2005).																	
		STRIPE RUST - 2005															
		LOC 01		LOC 02		LOC 04		LOC 05			LOC 06			LOC 07			
		Spillman Farm		Observatory Hill		Whitlow Farm		Mt Vernon			Walla Walla			Lind			
		6/12/05		7/7/05		6/23/05		5/25/05		6/29/05	5/17/05		6/16/05	6/9/05			
		Headed		Flowering		Headed		Tillering		Flowering	Stem elong.		Flowering	Flowering			
CLASS	VARIETY	IT	%	IT	%	IT	%	IT	%	IT	%	IT	%	IT	%		
<b>SOFT WHITE COMMON</b>																	
SWH	ALPOWA	2-3	10	3	40	3	20	0	0	2	20	2-3	10	3	40	2-3	5
SWH	ZAK	8	90	8	100	8	70	8	5	8	30	8	30	8	60	8	30
SWH	LOUISE	2	20	3	40	3	20	0	0	2.5	20	2	5	2	20	2	5
SWH	WAWAWAI	8	50	8	80	8	60	0	0	8	20	8	10	8	80	8	30
SWH	WAKANZ	2	10	5	40	2	10	0	0	3	20	2	5	2	30	2-3	10
SWH	EDWALL	8	90	8	100	8	70	0	0	8	50	8	20	8	90	8	80
SWH	PENAWAWA	8	90	5	100	8	70	0	0	8	40	5	10	8	40	5-7	30
SWH	PENEWAWA-X	8	90	8	100	8	70	0	0	5.8	40	5	5	8	80	8	60
SWH	FIELDER	8	90	8	100	8	70	8	5	8	60	8	30	8	100	8	90
SWH	NICK	8	40	8	50	8	20	0	0	2	1	2	5	0	0	0	0
SWH	WA7952	8	30	8	60	8	20	0	0	2	1	2	10	3	10	2	2
SWH	WA7963	3	20	5	30	5	20	0	0	2	10	5-8	30	3	15	2-3	5
SWH	WA7983	8	20	8	40	8	10	0	0	2	1	2	5	2	10	0	0
SWH	WA7964	2	20	5	20	5	10	0	0	2	5	2	1	0	0	0	0
SWH	ALTURAS	2,8	80	3	10	5	10	0	0	2	5	5	2	0	0	0	0
SWH	ID632	8	100	8	90	8	30	0	0	2	1	5	5	2-3	10	2	5
<b>SOFT WHITE CLUB</b>																	
SWH	EDEN	8	90	8	90	8	50	8	5	8	40	8	5	8	90	8	30
SWH	WA7960	8	20	8	20	8	5	0	0	2	1	2	1	0.8	10	0.8	0.40
SWH	WA7987	3	5	8	10	5	5	0	0	2	1	2	1	2	5	0	0
SWH	WA7986	3	20	3	5	3	10	0	0	2	5	2	1	0	0	0	0
<b>HARD WHITE</b>																	
HDWH	MACON	8	80	8	100	8	60	0	0	8.2	30	8	10	8	60	8	50
HDWH	OTIS	8	40	8	30	8	5	2	2	2	5	2	1	2	10	2-3,8	5
HDWH	WA7991	8	70	8	30	8	10	0	0	8	2	8	2	2	5	0	0
HDWH	WA7957	8	50	8	30	8	10	0	0	2	5	5	1	2	10	0	0
HDWH	ID377S	8	30	8	20	8	20	0	0	8	1	2	1	2	5	0	0
HDWH	LOLO	8	60	8	30	8	10	0	0	2	1	2	1	2	5	0	0
HDWH	ID597	8	70	8	30	8	30	2	2	8	30	2	5	0.8	5	0	0
HDWH	WINSOME	8	80	8	70	8	60	0	0	8	30	8	20	8	90	8	30
HDWH	BLANCA GRANDE	2	2	8	10	8	20	0	0	2	1	2	1	2	5	0.8	2
HDWH	BZ98-447W	2	2	5	10	2	5	0	0	2	2	2	1	2	5	0	0
HDWH	97WY63520	2	2	2	2	0	0	0	0	2	1	2	1	2	5	0	0
<b>HARD RED</b>																	
HRS	SCARLET	8	80	8	100	8	70	8	10	8	40	5	10	8	70	8	50
HRS	HOLLIS	2	10	8	10	8	10	0	0	2	5	2	1	2	5	0	0
HRS	TARA 2002	8	20	8	10	8	5	0	0	2	2	2	1	2.8	10	0	0
HRS	WA7994	8	30	8	60	8	60	0	0	2	5	5	10	5	30	3	5
HRS	WA7995	5	20	8	50	8	40	0	0	3	10	2	5	3	15	8	10
HRS	WA7997	3	20	5	30	8	10	2	5	2	5	2	1	2	5	0	0
HRS	WA7998	3,8	40	3	10	8	10	0	0	2	5	2	1	2	5	0	0
HRS	JEFFERSON	8	20	8	10	2	10	0	0	2	5	2	1	2	5	0	0
HRS	JEROME	8	40	8	40	2	10	0	0	2	2	2	1	2	5	0	0
HRS	ID593	8	60	8	70	8	40	0	0	8	5	2	1	2.8	10	8	5
HRS	WESTBRED 926	3	20	8	20	8	20	0	0	8	1	2	1	2	5	0.8	2
HRS	HANK	8	50	8	60	8	10	2	2	8	10	3	1	2	5	0	0
HRS	BZ999-339	3	30	8	30	8	10	0	0	8	1	2	1	2	5	0	0
HRS	BZ999-592	8	30	8	50	8	10	0	0	8	5	2	1	2	5	0	0
HRS	GMG BUCK PRONT	8	30	8	20	8	10	0	0	2	1	2	1	2	5	0	0
HRS	SX1504B	8	20	8	40	8	10	0	0	2	1	2	1	2	5	0	0
HRS	EXPRESS	2	10	3-5	40	5	20	0	0	2	10	5	10	5	20	2-5	10
HRS	SOLANO	2	2	5	30	8	10	0	0	2	5	2	1	0	0	0.8	5
HRS	YU999-178	8	60	8	50	8	10	0	0	2	5	5	1	2	5	0.8	2
HRS	96WV52303	2	2	0	0	0	0	0	0	2	1	2	1	2	5	0	0
HRS	95WV10616	0	0	0	0	0	0	0	0	2	1	2	1	2	5	0	0
HRS	SDM50034	8	20	8	20	5	5	2	2	2	5	2	1	2	5	0.8	0.30
HRS	SDM50034-1	0	0	2	2	2	2	2	2	2	1	2	1	2	5	0	0
HRS	ML118-6R2	0	0	0	0	0	0	0	0	2	10	5	1	2	5	0	0

TABLE 43YD. 2005 SOFT WHITE SPRING WHEAT VARIETY TRIAL SUMMARY

VARIETY	YIELD (BU/A)														MEAN YIELD (BU/A)				
	BICKLETON	HORSE HEAVEN	RITZVILLE	CONNELL	DUSTY	LIND DRY	DAYTON	ST. ANDREWS	MAYVIEW	WALLA WALLA	ALMIRA	REARDAN	FAIRFIELD	LAMONT		ST. JOHN	PULLMAN	FARMINGTON	MOSES LAKE
Soft White Common																			
ALPOWA	8.9	11.2	9.5	16.1	29.1	21.2	28.3	34.9	31.4	29.0	43.9	41.8	51.2	49.9	54.3	52.2	69.5	101.5	38.2
ALTURAS	5.2	11.6	10.1	18.3	12.6	22.2	23.1	28.2	27.4	22.0	37.7	44.8	40.0	47.7	45.0	58.7	51.5	94.4	33.4
EDWALL	7.8	7.1	12.0	12.8	15.8	17.2	22.5	23.6	24.0	23.4	26.7	21.8	24.5	12.9	31.0	29.4	31.0	47.1	23.0
FIELDER	6.5	5.7	12.4	10.7	12.6	13.9	22.4	18.0	15.6	17.5	21.1	16.2	13.5	12.2	26.9	28.2	43.1	30.8	18.2
ID632	9.1	12.2	9.2	17.1	23.2	23.0	31.0	34.6	37.8	34.6	44.7	46.7	38.3	38.8	55.0	52.5	75.1	77.9	36.7
LOUISE	7.0	14.4	11.7	21.1	19.0	23.7	21.9	31.8	29.2	43.0	47.4	50.7	59.1	74.6	55.6	57.0	66.7	95.8	40.9
NICK	11.5	12.9	11.4	21.7	21.8	21.4	25.4	29.2	40.3	37.2	46.4	47.5	61.6	59.7	54.4	60.9	76.8	99.5	41.1
PENAWAWA	8.6	7.6	11.7	11.7	20.5	16.3	25.0	25.3	27.4	24.8	31.2	24.3	25.8	25.8	35.2	32.3	51.9	57.5	25.8
WA7952	8.7	13.6	11.6	18.9	21.3	25.7	21.2	31.1	26.4	21.3	38.8	39.7	41.2	45.4	42.8	49.5	53.2	85.0	33.1
WA7963	9.3	14.2	12.4	17.7	16.9	22.7	24.6	27.4	27.4	32.2	38.7	43.4	44.4	53.7	53.2	51.1	61.4	87.5	35.5
WA7964	4.5	16.2	12.9	18.5	17.7	28.6	21.9	28.3	23.1	23.7	37.9	43.7	39.7	60.7	46.2	58.7	62.3	104.9	36.1
WA7983	9.2	16.3	12.2	17.6	21.3	26.5	28.1	27.4	29.8	30.1	42.9	42.7	55.4	55.6	53.1	50.1	66.3	82.6	37.1
WAKANZ	6.7	15.4	12.8	20.8	18.0	27.3	26.1	29.8	29.3	37.6	44.3	50.0	70.1	69.7	56.6	56.0	68.1	104.9	41.3
WAWAWAI	7.7	14.0	13.4	17.9	17.0	23.8	18.9	28.0	27.9	38.5	39.7	39.8	58.1	45.7	47.3	38.4	61.3	86.5	34.7
WQL7PENWX-2	6.9	6.8	10.0	16.0	14.9	16.8	24.3	25.5	25.6	21.0	26.5	21.6	28.1	23.5	29.9	30.2	49.9	55.6	24.1
ZAK	6.9	9.9	11.8	16.1	13.2	21.0	21.9	27.2	25.1	31.8	32.8	25.4	44.7	36.5	39.6	38.0	63.1	71.7	28.8
Soft White Club																			
EDEN	7.7	12.3	10.1	19.3	19.5	22.0	24.9	27.6	34.2	38.5	39.5	41.2	40.3	26.4	48.6	40.4	58.5	83.3	33.0
WA7960	6.8	9.8	13.7	17.6	23.2	20.0	25.1	26.5	30.8	34.9	41.7	40.3	40.8	37.6	47.8	59.2	62.9	81.6	34.5
WA7986	7.6	7.1	9.0	16.9	21.8	17.1	19.0	25.1	27.6	26.1	39.3	43.3	36.9	42.3	41.0	55.7	58.1	84.1	32.1
WA7987	5.0	8.8	14.8	14.6	19.3	17.6	20.7	23.7	27.9	23.2	39.1	43.8	43.0	41.2	43.5	64.8	59.8	75.8	32.6
NURSERY MEAN	7.6	11.4	11.6	17.1	18.8	21.7	23.8	27.6	28.4	29.5	38.0	38.4	42.9	43.0	45.3	48.2	60.7	80.4	33.0
CV %	34.2	13.1	32.4	13.3	30.1	8.8	8.4	10.9	11.2	24.1	8.3	8.5	12.5	15.1	10.7	15.5	8.7	6.0	13.5
LSD @ .10	3.6	2.0	5.2	3.1	7.9	2.6	2.8	4.1	4.4	9.8	4.3	4.5	7.4	8.9	6.7	10.3	7.2	6.7	1.4

TABLE 43TW.

2005 SOFT WHITE SPRING WHEAT VARIETY TRIAL SUMMARY

TEST WEIGHT (LBS/BU)

VARIETY	BICKLETON	HORSE HEAVEN	RITZVILLE	CONNELL	DUSTY	LIND DRY	DAYTON	ST. ANDREWS	MAYVIEW	WALLA WALLA	ALMIRA	REARDAN	FAIRFIELD	LAMONT	ST. JOHN	PULLMAN	FARMINGTON	MOSES LAKE	MEAN TEST (LBS/BU)
Soft White Common																			
ALPOWA	56.9	59.0	53.4	56.3	56.1	59.5	51.6	58.1	56.5	54.4	59.0	56.9	59.5	61.9	60.0	59.0	58.8	60.2	57.8
ALTURAS	53.9	58.7	56.6	56.3	53.5	55.8	52.3	57.9	54.9	53.5	57.7	57.4	56.9	60.5	58.1	57.8	56.5	60.3	56.6
EDWALL	50.2	58.9	52.3	52.7	50.2	55.4	48.0	52.9	49.6	49.6	51.6	49.2	48.5	52.4	52.1	50.5	52.5	49.0	51.1
FIELDER	52.5	58.0	54.3	55.7	52.9	56.4	51.3	54.8	38.1	52.0	54.6	53.5	51.4	54.5	54.8	56.1	56.4	48.4	52.9
ID632	59.5	60.4	58.6	57.8	56.1	58.2	55.3	60.6	58.6	57.8	60.0	59.0	59.1	60.9	60.9	58.7	58.7	58.1	58.7
LOUISE	51.6	59.7	56.5	57.3	53.1	59.2	51.4	56.7	54.2	56.5	57.6	56.6	59.3	61.6	58.5	56.8	56.1	60.3	56.9
NICK	54.8	58.6	55.7	56.0	54.0	55.4	49.8	58.6	57.3	54.7	59.3	58.5	58.3	61.2	59.6	57.9	56.9	61.3	57.2
PENAWAWA	53.2	57.4	55.0	53.3	53.9	56.7	50.6	56.1	55.8	53.6	57.5	54.9	53.5	58.4	57.0	57.5	56.7	55.2	55.3
WA7952	56.5	59.8	56.9	57.8	53.8	59.9	50.5	58.7	53.4	53.4	57.9	57.9	59.8	60.7	58.9	57.5	58.1	60.6	57.5
WA7963	56.4	58.8	57.0	55.6	54.3	58.2	54.3	57.5	53.6	55.2	57.8	56.6	56.5	60.8	59.0	57.9	55.8	59.5	56.9
WA7964	53.6	57.0	58.1	54.9	52.7	57.4	54.3	55.6	52.2	53.8	56.8	55.9	54.7	59.4	57.5	56.5	56.1	58.1	55.8
WA7983	55.5	57.0	56.5	55.1	54.7	57.5	54.4	57.8	55.0	53.6	57.2	55.4	56.6	59.8	58.1	56.7	55.5	58.1	56.4
WAKANZ	52.6	57.1	56.7	55.5	51.2	57.2	50.1	56.9	53.1	53.6	57.5	56.5	57.7	60.9	58.0	56.0	54.7	59.6	55.9
WAWAWAI	54.0	60.0	55.3	57.3	53.0	58.6	50.1	58.1	55.9	56.6	58.6	57.5	60.3	60.6	58.4	56.7	57.3	58.9	57.2
WQL7PENWX-2	52.9	59.3	57.5	55.1	55.1	57.9	51.6	55.5	55.0	53.5	57.4	54.8	54.4	58.1	57.1	57.1	57.0	55.7	55.7
ZAK	55.6	58.2	54.9	55.9	56.0	56.6	54.2	56.6	55.3	55.9	57.5	54.5	56.2	60.0	58.9	58.5	56.2	57.4	55.6
Soft White Club																			
EDEN	56.7	58.4	58.4	55.7	54.7	57.6	53.5	60.4	57.3	58.5	58.8	58.6	59.4	60.1	59.7	58.9	57.2	59.3	58.0
WA7960	52.1	57.5	55.5	54.5	52.5	57.3	51.0	57.4	55.5	55.6	58.1	56.7	58.9	60.1	58.7	58.1	55.9	59.4	56.5
WA7986	53.1	56.5	54.1	53.5	55.4	55.3	51.6	55.2	55.5	54.2	59.1	57.2	59.0	60.0	58.4	57.9	56.9	60.4	56.5
WA7987	49.7	56.0	53.2	54.0	53.4	55.0	47.3	55.6	55.3	52.8	57.3	57.0	58.5	60.0	58.5	56.8	56.7	60.0	55.7
NURSERY MEAN	54.1	58.3	55.8	55.5	53.8	57.3	51.7	57.0	54.2	54.4	57.6	56.2	56.9	59.6	58.1	57.1	56.5	58.0	56.3
CV %	*	*	*	2.6	4.4	1.9	1.8	1.4	9.9	3.2	1.0	1.4	3.5	1.2	1.2	1.1	1.4	1.1	3.2
LSD @ .10	*	*	*	2.0	3.3	1.5	1.3	1.1	7.4	2.4	0.8	1.1	2.8	1.0	1.0	0.9	1.1	0.9	0.6

TABLE 43PR. 2005 SOFT WHITE SPRING WHEAT VARIETY TRIAL SUMMARY

VARIETY	PROTEIN (%)															MEAN PROTEIN (%)			
	BICKLETON	HORSE HEAVEN	RITZVILLE	CONNELL	DUSTY	LIND DRY	DAYTON	ST. ANDREWS	MAYVIEW	WALLA WALLA	ALMIRA	REARDAN	FAIRFIELD	LAMONT	ST. JOHN		PULLMAN	FARMINGTON	MOSES LAKE
Soft White Common																			
ALPOWA	15.5	12.3	11.6	12.6	13.7	12.6	14.5	13.3	11.2	14.2	9.4	11.6	10.1	11.2	12.1	12.4	10.6	11.3	12.1
ALTURAS	15.3	12.3	12.6	13.1	15.5	13.1	13.0	12.9	12.7	14.1	10.2	10.9	12.0	12.1	13.3	13.1	11.3	11.0	12.6
EDWALL	15.1	12.1	13.5	12.2	15.0	12.2	13.8	12.8	13.0	13.6	11.1	12.1	12.4	12.1	13.6	13.0	11.0	11.3	12.7
FIELDER	15.0	12.3	11.0	12.3	14.8	12.8	13.4	13.2	13.5	13.8	10.6	12.1	11.7	11.8	13.7	14.0	11.6	11.0	12.7
ID632	15.5	12.0	11.1	13.2	14.5	12.6	12.6	12.3	12.0	13.2	9.7	10.1	9.8	11.8	12.4	11.4	10.1	10.6	11.8
LOUISE	14.8	13.4	10.9	13.1	12.8	12.6	13.6	13.4	12.0	12.5	10.1	11.6	10.4	12.1	12.7	13.3	10.9	11.8	12.2
NICK	14.8	13.4	11.2	14.3	13.8	13.7	13.8	13.7	11.9	14.2	9.9	11.1	11.6	13.0	13.9	12.9	11.6	11.5	12.7
PENAWAWA	15.4	11.6	12.0	12.5	13.5	12.7	14.3	13.5	11.8	14.3	10.0	12.1	12.2	11.7	14.2	12.8	11.7	11.3	12.6
WA7952	13.4	12.5	10.8	13.2	14.3	12.7	13.2	12.7	12.2	14.0	9.9	10.9	9.3	11.4	13.1	12.5	11.0	11.3	12.1
WA7963	15.3	12.4	11.0	14.1	14.6	13.4	14.1	13.3	13.8	14.3	10.8	11.8	10.8	12.5	13.1	13.4	11.2	11.6	12.9
WA7964	16.1	12.8	11.3	14.0	15.2	13.3	13.9	13.7	13.7	14.6	10.4	11.1	11.7	12.4	13.0	13.1	10.7	11.1	12.8
WA7983	15.7	12.8	11.5	13.9	14.5	13.6	13.5	13.6	12.7	15.3	10.5	11.4	11.4	11.8	13.3	13.1	11.5	11.1	12.8
WAKANZ	16.2	12.1	11.8	13.6	15.4	13.2	14.4	13.7	12.9	13.9	11.0	11.8	11.3	12.4	13.5	13.5	11.4	12.0	13.0
WAWAWAI	15.0	11.9	11.2	13.5	14.6	12.8	14.3	13.2	12.2	13.1	10.7	11.7	10.9	11.9	13.1	13.0	11.4	11.9	12.6
WQL7PENWX-2	16.4	12.2	10.6	12.8	13.6	12.4	13.6	13.9	12.5	13.9	9.8	11.9	11.1	11.5	13.7	13.1	10.8	10.9	12.4
ZAK	15.9	12.5	13.3	13.0	13.4	13.1	14.6	14.9	12.8	14.3	10.4	12.4	10.1	11.4	13.2	12.9	11.5	11.4	12.7
Soft White Club																			
EDEN	15.0	11.1	11.2	11.7	15.4	11.8	14.0	12.4	12.0	12.3	10.5	10.9	10.3	10.8	12.7	11.8	10.8	10.9	11.9
WA7960	15.4	12.5	12.2	13.1	15.1	13.1	13.6	13.5	12.4	13.9	10.5	11.7	10.2	11.9	12.9	13.1	11.5	11.5	12.6
WA7986	17.0	14.5	13.4	15.0	15.7	14.7	15.4	15.4	12.8	16.1	10.4	12.5	11.4	13.8	14.5	14.6	12.8	12.7	13.9
WA7987	17.6	15.2	12.9	13.6	15.4	14.4	15.0	14.8	12.8	16.5	11.6	12.6	11.8	13.5	14.1	15.4	12.7	13.3	13.9
NURSERY MEAN	15.5	12.5	11.8	13.2	14.6	13.0	13.9	13.5	12.5	14.1	10.4	11.6	11.0	12.1	13.3	13.1	11.3	11.5	12.7
CV %	*	*	*	4.3	13.9	1.7	3.2	3.2	7.3	6.8	4.9	3.9	2.8	2.9	3.3	4.1	4.1	1.5	6.4
LSD @ .10	*	*	*	0.8	2.8	0.3	0.6	0.6	1.3	1.3	0.7	0.6	1.9	0.5	0.6	0.7	0.6	0.2	0.2

TABLE WA4362. 2005 WSU EXTENSION SOFT WHITE SPRING WHEAT NURSERY AT ALMIRA, WA.

VARIETY NAME	5 YEAR	3 YEAR	2 YEAR	2005				
	AVERAGE (BU/A)	AVERAGE (BU/A)	AVERAGE (BU/A)	YIELD (BU/A)	TEST WT. (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE
ALPOWA	48.7 (1)	45.6 (3)	43.3 (4)	43.9 (5)	59.0	9.4	32	24-Jun
NICK	48.6 (2)	46.5 (2)	45.7 (1)	46.4 (2)	59.3	9.9	29	23-Jun
WAWAWAI	45.7 (4)	40.9 (6)	38.7 (8)	39.7 (8)	58.6	10.7	35	24-Jun
ALTURAS	42.8 (5)	40.7 (7)	39.8 (6)	37.7 (15)	57.7	10.2	29	25-Jun
ZAK	41.5 (6)	37.8 (8)	34.3 (11)	32.8 (16)	57.5	10.4	32	25-Jun
PENAWAWA	40.5 (7)	37.7 (9)	36.2 (10)	31.2 (17)	57.5	10.0	28	26-Jun
FIELDER	40.3 (8)	35.5 (10)	30.4 (13)	21.1 (20)	54.6	10.6	29	27-Jun
EDWALL	39.9 (9)	33.3 (11)	32.4 (12)	26.7 (18)	51.6	11.1	28	24-Jun
LOUISE	---	46.6 (1)	44.2 (2)	47.4 (1)	57.6	10.1	35	24-Jun
WAKANZ	---	45.6 (4)	42.5 (5)	44.3 (4)	57.5	11.0	29	25-Jun
WA7952	---	---	39.3 (7)	38.8 (12)	57.9	9.9	28	24-Jun
WA7964	---	---	37.9 (9)	37.9 (14)	56.8	10.4	33	29-Jun
ID632	---	---	---	44.7 (3)	60.0	9.7	27	24-Jun
WA7983	---	---	---	42.9 (6)	57.2	10.5	33	24-Jun
WA7963	---	---	---	38.7 (13)	57.8	10.8	30	26-Jun
PENAWAWA-X	---	---	---	26.5 (19)	57.4	9.8	27	26-Jun
<b>SOFT WHITE CLUB</b>								
EDEN	46.3 (3)	44.3 (5)	43.4 (3)	39.5 (9)	58.8	10.5	30	24-Jun
WA7960	---	---	---	41.7 (7)	58.1	10.5	31	26-Jun
WA7986	---	---	---	39.3 (10)	59.1	10.4	33	27-Jun
WA7987	---	---	---	39.1 (11)	57.3	11.6	35	26-Jun
NURSERY MEAN	43.8	41.3	39.1	38.0	57.6	10.4	31	25-Jun
CV %	9.5	9.7	8.7	8.3	1.0	4.9	---	---
LSD @ .10	2.5	3.1	3.3	4.3	0.8	0.7	---	---

Planted: 14 Apr 05

Harvested: 16 Aug 05

TABLE WA4337. 2005 WSU EXTENSION SOFT WHITE SPRING WHEAT NURSERY AT BICKLETON, WA.

VARIETY NAME	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2005			PLANT HT
				YIELD (BU/A)	TEST WT. (LBS/BU)	PROTEIN (%)	
NICK	---	27.9 ( 1)	24.4 ( 1)	11.5 ( 1)	54.8	14.8	17
LOUISE	---	26.2 ( 3)	24.1 ( 2)	7.0 (12)	51.6	15.5	16
PENAWAWA	---	25.4 ( 4)	23.0 ( 4)	8.6 ( 7)	53.2	15.4	16
ALPOWA	---	24.5 ( 5)	21.8 ( 5)	8.9 ( 5)	56.9	15.5	16
EDWALL	---	23.9 ( 6)	20.8 ( 8)	7.8 ( 8)	50.2	15.3	16
ALTURAS	---	23.6 ( 7)	20.4 ( 9)	5.2 (18)	53.9	15.3	15
WAWAWAI	---	23.5 ( 8)	20.4 (10)	7.7 ( 9)	54.0	15.0	18
WAKANZ	---	23.4 ( 9)	21.2 ( 7)	6.7 (16)	52.6	16.2	14
FIELDER	---	23.1 (10)	19.7 (12)	6.5 (17)	52.5	15.1	16
ZAK	---	22.4 (11)	19.9 (11)	6.9 (14)	55.6	15.9	15
WA7952	---	---	21.6 ( 6)	8.7 ( 6)	56.5	13.4	16
WA7964	---	---	19.3 (13)	4.5 (20)	53.6	16.1	15
WA7963	---	---	---	9.3 ( 2)	56.4	15.3	15
WA7983	---	---	---	9.2 ( 3)	55.5	15.7	17
ID632	---	---	---	9.1 ( 4)	59.5	15.0	15
PENAWAWA-X	---	---	---	6.9 (13)	52.9	16.4	14
<b>SOFT WHITE CLUB</b>							
EDEN	---	26.6 ( 2)	23.1 ( 3)	7.7 (10)	56.7	15.0	15
WA7986	---	---	---	7.6 (11)	53.1	17.0	14
WA7960	---	---	---	6.8 (15)	52.1	15.4	14
WA7987	---	---	---	5.0 (19)	49.7	17.6	13
NURSERY MEAN	---	24.6	21.5	7.6	54.1	15.5	15
CV %	---	12.5	18.3	34.2	---	---	---
LSD @ .10	---	2.4	3.8	3.6	---	---	---

Planted: 19 Apr 05

Harvested: 10 Aug 05

TABLE WA4347. 2005 WSU EXTENSION SOFT WHITE SPRING WHEAT NURSERY AT CONNELL, WA.

VARIETY NAME	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	YIELD (BU/A)	TEST WT. (LBS/BU)	PROTEIN (%)	2005 PLANT HT	HEAD DATE	STRIPE RUST %	STRIPE RUST TP
LOUISE	---	31.3 (1)	31.6 (1)	21.1 (2)	57.3	13.1	24	29-May	30	2
NICK	---	29.2 (2)	29.4 (3)	21.7 (1)	56.0	14.3	22	26-May	20	5
WAKANZ	---	28.4 (3)	28.3 (5)	20.8 (3)	55.5	13.6	21	30-May	40	2
ALTURAS	---	27.5 (5)	28.4 (4)	18.3 (7)	56.3	13.3	21	29-May	20	5
ALPOWA	---	27.2 (6)	26.1 (8)	16.1 (15)	56.3	12.6	20	28-May	50	5
WAWAWAI	---	27.0 (7)	26.0 (9)	17.9 (8)	57.3	13.5	24	28-May	40	7
ZAK	---	25.2 (8)	23.7 (10)	16.1 (14)	55.9	13.0	21	29-May	60	8
PENAWAWA	---	21.4 (9)	19.6 (11)	11.7 (19)	53.3	12.5	18	28-May	70	8
FIELDER	---	21.0 (10)	17.6 (13)	10.7 (20)	55.7	12.3	19	29-May	70	8
EDWALL	---	20.9 (11)	19.5 (12)	12.8 (18)	52.7	11.9	19	27-May	70	8
WA7964	---	---	29.6 (2)	18.5 (6)	54.9	14.0	19	30-May	5	5
WA7952	---	---	26.7 (7)	18.9 (5)	57.8	13.2	22	27-May	30	3
WA7963	---	---	---	17.7 (9)	55.6	14.1	19	28-May	60	8
WA7983	---	---	---	17.6 (10)	55.1	13.9	20	30-May	30	3
ID632	---	---	---	17.1 (12)	57.8	13.2	20	23-May	40	4
PENAWAWA-X	---	---	---	16.0 (16)	55.1	12.8	17	28-May	70	8
<b>SOFT WHITE CLUB</b>										
EDEN	---	27.8 (4)	26.8 (6)	19.3 (4)	55.7	11.7	21	28-May	40	5
WA7960	---	---	---	17.6 (11)	54.5	13.1	20	27-May	30	7
WA7986	---	---	---	16.9 (13)	53.5	15.0	17	29-May	2	2
WA7987	---	---	---	14.6 (17)	54	13.6	19	28-May	2	2
NURSERY MEAN	---	26.1	25.6	17.1	55.5	13.2	20	28-May	39	5
CV %	---	7.6	9.4	13.3	2.6	4.3	---	---	---	---
LSD @ .10	---	1.6	2.3	3.1	2.0	0.8	---	---	---	---

Planted: 8 Mar 05

Harvested: 20 Jul 05

TABLE WA4316. 2005 WSU EXTENSION SOFT WHITE SPRING WHEAT NURSERY AT DAYTON, WA.

VARIETY NAME	2005			2005				
	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	YIELD (BU/A)	TEST WT. (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE
NICK	57.5 ( 1)	58.3 ( 3)	62.4 ( 3)	25.4 ( 5)	49.8	13.6	31	10-Jun
ALPOWA	55.0 ( 2)	56.6 ( 5)	60.2 ( 5)	28.3 ( 2)	51.6	14.5	31	12-Jun
ALTURAS	53.7 ( 3)	58.8 ( 2)	62.5 ( 2)	23.1 (11)	52.3	13.0	29	13-Jun
WAWAWAI	51.9 ( 5)	53.6 ( 7)	56.1 ( 9)	18.9 (20)	50.1	14.3	32	13-Jun
ZAK	47.9 ( 6)	46.6 ( 8)	46.2 (11)	21.9 (16)	54.2	14.6	29	16-Jun
EDWALL	45.9 ( 7)	44.7 (10)	45.4 (12)	22.5 (12)	48.0	13.8	29	13-Jun
PENAWAWA	44.4 ( 8)	46.4 ( 9)	48.0 (10)	25.0 ( 7)	50.6	14.3	28	13-Jun
FIELDER	39.7 ( 9)	40.4 (11)	37.3 (13)	22.4 (13)	51.3	13.4	29	15-Jun
LOUISE	---	59.1 ( 1)	60.8 ( 4)	21.9 (15)	51.4	13.6	32	15-Jun
WAKANZ	---	57.9 ( 4)	60.0 ( 6)	26.1 ( 4)	50.1	14.4	28	15-Jun
WA7964	---	---	63.8 ( 1)	21.9 (14)	54.3	13.9	27	18-Jun
WA7952	---	---	58.9 ( 8)	21.2 (17)	50.5	13.2	29	12-Jun
ID632	---	---	---	31.0 ( 1)	55.3	12.6	28	9-Jun
WA7983	---	---	---	28.1 ( 3)	54.4	13.5	30	15-Jun
WA7963	---	---	---	24.6 ( 9)	54.3	14.1	26	15-Jun
PENAWAWA-X	---	---	---	24.3 (10)	51.6	13.6	27	13-Jun
<b>SOFT WHITE CLUB</b>								
EDEN	53.7 ( 4)	56.4 ( 6)	59.3 ( 7)	24.9 ( 8)	53.5	14.0	28	14-Jun
WA7960	---	---	---	25.1 ( 6)	51.0	13.6	28	14-Jun
WA7987	---	---	---	20.7 (18)	47.3	15.0	31	13-Jun
WA7986	---	---	---	19.0 (19)	51.6	15.4	30	15-Jun
NURSERY MEAN	50	52.6	55.5	23.8	51.7	13.9	29	13-Jun
CV %	7.6	6.9	7.2	8.4	1.8	3.2	---	---
LSD @ .10	2.3	2.9	3.8	2.8	1.3	0.6	---	---

Planted: 9 Mar 05

Harvested: 27 Jul 05

TABLE WA4327. 2005 WSU EXTENSION SOFT WHITE SPRING WHEAT NURSERY AT DUSTY, WA.

VARIETY NAME	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	YIELD (BU/A)	TEST WT. (LBS/BU)	PROTEIN (%)	2005 PLANT HT	HEAD DATE	STRIPE RUST %	STRIPE RUST TP
ALPOWA	47.6 (1)	43.6 (2)	46.2 (1)	29.1 (1)	56.1	13.7	26	9-Jun	40	4
NICK	43.5 (2)	43.8 (1)	42.4 (2)	21.8 (4)	54.0	13.8	27	7-Jun	10	8
WAWAWAI	40.4 (4)	34.8 (8)	34.7 (8)	17.0 (14)	53.0	14.6	28	9-Jun	20	5
ALTURAS	40.2 (5)	36.8 (6)	34.5 (9)	12.6 (20)	53.5	15.5	27	9-Jun	15	5
PENAWAWA	37.0 (6)	35.9 (7)	33.3 (10)	20.5 (8)	53.9	13.5	25	9-Jun	40	8
ZAK	35.7 (7)	29.8 (10)	28.4 (12)	13.2 (18)	56.0	13.4	24	10-Jun	50	8
EDWALL	34.4 (8)	30.5 (9)	29.5 (11)	15.8 (16)	50.2	15.0	24	9-Jun	30	8
FIELDER	30.7 (9)	25.4 (11)	23.4 (13)	12.6 (19)	52.9	14.8	24	9-Jun	50	9
WAKANZ	---	39.9 (3)	39.2 (3)	18.0 (12)	51.2	15.4	26	9-Jun	10	2
LOUISE	---	39.0 (5)	37.5 (5)	19.0 (11)	53.1	12.8	29	9-Jun	10	2
WA7952	---	---	36.5 (6)	21.3 (6)	53.8	14.3	26	8-Jun	20	4
WA7964	---	---	35.3 (7)	17.7 (13)	52.7	15.2	28	13-Jun	5	6
ID632	---	---	---	23.2 (2)	56.1	14.5	25	5-Jun	15	8
WA7983	---	---	---	21.3 (7)	54.7	14.5	29	10-Jun	5	3
WA7963	---	---	---	16.9 (15)	54.3	14.6	26	10-Jun	20	8
PENAWAWA-X	---	---	---	14.9 (17)	55.1	13.6	22	9-Jun	50	8
<b>SOFT WHITE CLUB</b>										
EDEN	41.8 (3)	39.9 (4)	38.8 (4)	19.5 (9)	54.7	15.4	26	9-Jun	15	7
WA7960	---	---	---	23.2 (3)	52.5	15.1	27	10-Jun	2	2
WA7986	---	---	---	21.8 (5)	55.4	15.7	27	10-Jun	2	2
WA7987	---	---	---	19.3 (10)	53.4	15.4	26	10-Jun	0	0
NURSERY MEAN	39.0	36.2	35.2	18.8	53.8	14.6	26	9-Jun	20	5
CV %	19.4	18.6	19.1	30.1	4.4	13.9	---	---	---	---
LSD @ .10	4.6	5.4	6.6	7.9	3.3	2.8	---	---	---	---

Planted: 16 Mar 05  
Harvested: 2 Aug 05

TABLE WA4333. 2005 WSU EXTENSION SOFT WHITE SPRING WHEAT NURSERY AT FAIRFIELD, WA.

VARIETY NAME	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2005					
				YIELD (BU/A)	TEST WT. (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE	HESSIAN FLY %
WAWAWAI	72.5 (1)	58.8 (4)	65.5 (4)	58.1 (4)	60.3	10.9	38	25-Jun	7
ALPOWA	71.8 (2)	58.0 (5)	63.4 (5)	51.2 (6)	59.5	10.1	33	25-Jun	30
NICK	70.5 (3)	61.1 (2)	67.7 (2)	61.6 (2)	58.3	11.6	32	23-Jun	0
ALTURAS	68.2 (5)	52.8 (8)	58.1 (6)	40.0 (13)	56.9	12.0	29	26-Jun	47
ZAK	66.1 (6)	52.9 (7)	57.1 (9)	44.7 (7)	56.2	10.1	32	24-Jun	13
EDWALL	55.4 (7)	39.6 (9)	41.4 (12)	24.5 (19)	48.5	12.4	31	24-Jun	57
PENAWAWA	54.3 (8)	39.3 (10)	42.3 (11)	26.6 (18)	53.5	12.2	28	25-Jun	52
FIELDER	50.8 (9)	33.2 (11)	30.4 (13)	13.5 (20)	51.4	11.7	31	25-Jun	60
LOUISE	---	61.8 (1)	67.1 (3)	59.1 (3)	59.3	10.4	35	25-Jun	3
WAKANZ	---	60.4 (3)	69.0 (1)	70.1 (1)	57.7	11.3	31	26-Jun	0
WA7952	---	---	57.1 (7)	41.2 (10)	59.8	9.3	30	24-Jun	40
WA7964	---	---	57.1 (8)	39.7 (14)	54.7	11.7	32	27-Jun	57
WA7983	---	---	---	55.4 (5)	56.6	11.4	35	24-Jun	0
WA7963	---	---	---	44.4 (8)	56.5	10.8	32	25-Jun	57
ID632	---	---	---	38.3 (15)	59.1	9.8	26	23-Jun	63
PENAWAWA-X	---	---	---	28.1 (17)	54.4	11.1	27	24-Jun	15
<b>SOFT WHITE CLUB</b>									
EDEN	69.9 (4)	55.0 (6)	56.6 (10)	40.3 (12)	59.4	10.3	31	24-Jun	33
WA7987	---	---	---	43.0 (9)	58.5	11.8	30	25-Jun	17
WA7960	---	---	---	40.8 (11)	58.9	10.2	31	24-Jun	3
WA7986	---	---	---	36.9 (16)	59.0	11.4	31	25-Jun	43
NURSERY MEAN	64.4	52.1	56.4	42.9	56.9	11.0	31	24-Jun	30
CV %	7.4	9.3	9.1	12.5	3.5	12.8	---	---	---
LSD @ .10	2.9	3.8	5.0	7.4	2.8	1.9	---	---	---

Planted: 15 Apr 05

Harvested: 24 Aug 05

TABLE WA4339. 2005 WSU EXTENSION SOFT WHITE SPRING WHEAT NURSERY AT FARMINGTON, WA.

VARIETY NAME	5 YEAR	3 YEAR	2 YEAR	2005				
	AVERAGE (BU/A)	AVERAGE (BU/A)	AVERAGE (BU/A)	YIELD (BU/A)	TEST WT. (LBS/BU)	PROTEIN (%)	PLANT HT	HESSIAN FLY %
ALPOWA	89.7 ( 1)	91.6 ( 2)	106.6 ( 1)	69.5 ( 3)	58.8	10.6	33	27
NICK	87.5 ( 2)	92.1 ( 1)	103.7 ( 2)	76.8 ( 1)	56.9	11.6	30	3
WAWAWAI	85.3 ( 3)	87.1 ( 5)	98.0 ( 4)	61.3 (11)	57.3	11.4	37	5
ALTURAS	82.5 ( 5)	83.6 ( 8)	96.0 ( 8)	51.5 (18)	56.5	11.3	29	37
ZAK	81.9 ( 6)	84.2 ( 7)	96.8 ( 7)	63.1 ( 7)	56.2	11.5	31	3
EDWALL	73.8 ( 7)	76.5 (10)	89.4 (11)	53.8 (15)	52.5	11.0	30	20
FIELDER	73.2 ( 8)	71.7 (11)	82.0 (13)	43.1 (20)	56.4	11.6	26	57
PENAWAWA	72.3 ( 9)	76.8 ( 9)	89.4 (12)	51.9 (17)	55.7	11.7	28	20
LOUISE	---	87.7 ( 4)	94.2 (10)	66.7 ( 5)	56.1	10.9	35	0
WAKANZ	---	84.8 ( 6)	97.0 ( 6)	68.1 ( 4)	54.7	11.4	31	10
WA7964	---	---	98.0 ( 5)	62.3 ( 9)	56.1	10.7	33	60
WA7952	---	---	94.3 ( 9)	53.2 (16)	58.1	11.0	29	20
ID632	---	---	---	75.1 ( 2)	58.7	10.1	26	13
WA7983	---	---	---	66.3 ( 6)	55.5	11.5	34	3
WA7963	---	---	---	61.4 (10)	55.8	11.2	32	57
PENAWAWA-X	---	---	---	49.9 (19)	57	10.8	27	45
<b>SOFT WHITE CLUB</b>								
EDEN	85.2 ( 4)	91.5 ( 3)	102.0 ( 3)	58.5 (13)	57.2	10.8	30	10
WA7960	---	---	---	62.9 ( 8)	55.9	11.5	35	0
WA7987	---	---	---	59.8 (12)	56.7	12.7	42	0
WA7986	---	---	---	58.1 (14)	56.9	12.8	38	3
NURSERY MEAN	81.3	84.3	96	60.7	56.5	11.3	32	20
CV %	7.8	7.6	7.6	8.7	1.4	4.1	---	---
LSD @ .10	3.9	5.0	7.0	7.2	1.1	0.6	---	---

Planted: 21 Apr 05

Harvested: 24 Aug 05

TABLE WA4320. 2005 WSU EXTENSION SOFT WHITE SPRING WHEAT NURSERY AT HORSE HEAVEN, WA.

VARIETY NAME	2004			2005			PLANT HT	HEAD DATE
	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	YIELD (BU/A)	TEST WT. (LBS/BU)	PROTEIN (%)		
NICK	26.7 ( 1)	30.8 ( 3)	31.2 ( 5)	12.9 ( 8)	58.6	13.4	18	29-May
ALTURAS	25.6 ( 3)	30.0 ( 4)	32.5 ( 3)	11.6 (11)	58.7	12.3	18	31-May
WAWAWAI	25.5 ( 4)	28.6 ( 6)	29.3 ( 8)	14.0 ( 6)	60.0	11.9	22	1-Jun
ALPOWA	24.7 ( 5)	28.4 ( 7)	29.0 ( 9)	11.2 (12)	59.0	12.3	18	31-May
ZAK	23.8 ( 6)	26.0 ( 8)	26.2 (10)	9.9 (13)	58.2	12.5	18	3-Jun
PENAWAWA	22.4 ( 7)	24.6 ( 9)	23.9 (11)	7.6 (16)	57.4	11.6	17	1-Jun
EDWALL	21.4 ( 8)	22.5 (10)	21.4 (12)	7.1 (17)	58.9	12.5	17	30-May
FIELDER	21.0 ( 9)	21.8 (11)	18.5 (13)	5.7 (20)	58.0	12.1	17	3-Jun
LOUISE	---	31.5 ( 1)	32.7 ( 2)	14.4 ( 4)	59.7	12.0	22	1-Jun
WAKANZ	---	31.0 ( 2)	32.5 ( 4)	15.4 ( 3)	57.1	12.1	19	4-Jun
WA7964	---	---	35.2 ( 1)	16.2 ( 2)	57.0	12.8	22	4-Jun
WA7952	---	---	30.0 ( 7)	13.6 ( 7)	59.8	12.5	18	29-May
WA7983	---	---	---	16.3 ( 1)	57.0	12.8	20	3-Jun
WA7963	---	---	---	14.2 ( 5)	58.8	12.4	20	2-Jun
ID632	---	---	---	12.2 (10)	60.4	12.3	16	28-May
PENAWAWA-X	---	---	---	6.8 (19)	58.3	12.2	15	1-Jun
<b>SOFT WHITE CLUB</b>								
EDEN	25.9 ( 2)	29.5 ( 5)	30.3 ( 6)	12.3 ( 9)	58.4	11.1	18	31-May
WA7960	---	---	---	9.8 (14)	57.5	12.5	16	31-May
WA7987	---	---	---	8.8 (15)	56.0	15.2	15	3-Jun
WA7986	---	---	---	7.1 (18)	56.5	14.5	14	3-Jun
NURSERY MEAN	24.1	27.7	28.7	11.4	58.3	12.5	18	1-Jun
CV %	8	7.7	6.8	13.1	*	*	---	---
LSD @ .10	1.2	1.7	1.9	2.0	*	*	---	---

Planted: 17 Mar 05

Harvested: 18 Jul 05

TABLE WA4319. 2005 WSU EXTENSION SOFT WHITE SPRING WHEAT NURSERY AT LAMONT, WA.

VARIETY NAME	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2005				
				YIELD (BU/A)	TEST WT. (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE
NICK	42.4 ( 1)	45.9 ( 2)	49.5 ( 3)	59.7 ( 4)	61.2	13.0	31	8-Jun
ALPOWA	40.1 ( 2)	40.5 ( 4)	42.0 ( 5)	49.9 ( 7)	61.9	11.2	32	11-Jun
WAWAWAI	38.0 ( 3)	38.2 ( 6)	40.4 ( 6)	45.7 ( 9)	60.6	11.9	36	9-Jun
ALTURAS	37.8 ( 4)	38.5 ( 5)	39.9 ( 7)	47.7 ( 8)	60.5	12.1	28	12-Jun
ZAK	36.3 ( 5)	36.3 ( 7)	38.1 ( 9)	36.5 (15)	60.0	11.4	34	8-Jun
EDWALL	27.6 ( 7)	26.1 (10)	21.9 (12)	12.9 (19)	52.4	12.1	28	12-Jun
FIELDER	27.4 ( 8)	25.4 (11)	20.2 (13)	12.2 (20)	54.5	11.8	29	11-Jun
PENAWAWA	27.0 ( 9)	28.4 ( 9)	25.5 (11)	25.8 (17)	58.4	11.7	28	9-Jun
LOUISE	---	51.1 ( 1)	56.2 ( 1)	74.6 ( 1)	61.6	12.1	36	8-Jun
WAKANZ	---	45.8 ( 3)	52.2 ( 2)	69.7 ( 2)	60.9	12.4	32	9-Jun
WA7964	---	---	47.2 ( 4)	60.7 ( 3)	59.4	12.4	32	11-Jun
WA7952	---	---	38.7 ( 8)	45.4 (10)	60.7	11.4	29	9-Jun
WA7983	---	---	---	55.6 ( 5)	59.8	11.8	34	7-Jun
WA7963	---	---	---	53.7 ( 6)	60.8	12.5	29	10-Jun
ID632	---	---	---	38.8 (13)	61.4	11.8	29	11-Jun
PENAWAWA-X	---	---	---	23.5 (18)	58.1	11.5	26	9-Jun
<b>SOFT WHITE CLUB</b>								
EDEN	34.5 ( 6)	31.1 ( 8)	28.0 (10)	26.4 (16)	60.1	10.8	26	9-Jun
WA7986	---	---	---	42.3 (11)	60.0	13.8	31	10-Jun
WA7987	---	---	---	41.2 (12)	60.0	13.5	30	10-Jun
WA7960	---	---	---	37.6 (14)	60.1	11.9	28	10-Jun
NURSERY MEAN	34.6	37	38.4	43.0	59.6	12.1	30	9-Jun
CV %	12.8	13.1	15.6	15.1	1.2	2.9	---	---
LSD @ .10	2.7	3.8	5.8	8.9	1.0	0.5	---	---

Planted: 21 Mar 05

Harvested: 8 Aug 05

TABLE WA4305. 2005 WSU EXTENSION SOFT WHITE SPRING WHEAT NURSERY AT LIND, WA.

VARIETY NAME	2005			YIELD (BU/A)	TEST WT. (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE
	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)					
NICK	30.4 (1)	32.6 (6)	31.3 (7)	21.4 (11)	55.4	13.7	21	1-Jun
WAWAWAI	30.0 (3)	32.0 (7)	31.1 (9)	23.8 (6)	58.6	12.8	26	1-Jun
ALPOWA	29.8 (4)	33.5 (2)	32.1 (5)	21.2 (12)	59.5	12.6	21	2-Jun
ALTURAS	29.5 (5)	33.4 (3)	33.1 (4)	22.2 (9)	55.8	13.1	21	2-Jun
ZAK	28.0 (6)	30.1 (8)	29.1 (10)	21.0 (13)	56.6	13.1	24	3-Jun
PENAWAWA	26.8 (7)	29.0 (9)	27.0 (12)	16.3 (19)	56.7	12.7	18	2-Jun
EDWALL	26.0 (8)	27.9 (10)	27.0 (11)	17.2 (16)	55.4	12.2	20	2-Jun
FIELDER	25.3 (9)	27.1 (11)	24.7 (13)	13.9 (20)	56.4	12.8	21	3-Jun
LOUISE	---	36.4 (1)	36.3 (1)	29.7 (1)	59.2	12.6	25	2-Jun
WAKANZ	---	33.1 (4)	33.7 (2)	27.3 (3)	57.2	13.2	22	3-Jun
WA7964	---	---	33.6 (3)	28.6 (2)	57.4	13.3	26	5-Jun
WA7952	---	---	31.1 (8)	25.7 (5)	59.9	12.7	21	1-Jun
WA7983	---	---	---	26.5 (4)	57.5	13.6	24	3-Jun
ID632	---	---	---	23.0 (7)	58.2	12.6	17	28-May
WA7963	---	---	---	22.7 (8)	58.2	13.4	23	3-Jun
PENAWAWA-X	---	---	---	16.8 (18)	57.9	12.4	17	3-Jun
<b>SOFT WHITE CLUB</b>								
EDEN	30.2 (2)	32.9 (5)	31.8 (6)	22.0 (10)	57.6	11.8	22	2-Jun
WA7960	---	---	---	20.0 (14)	57.3	13.1	20	2-Jun
WA7987	---	---	---	17.6 (15)	55.0	14.4	17	3-Jun
WA7986	---	---	---	17.1 (17)	55.3	14.7	18	3-Jun
NURSERY MEAN	28.4	31.6	30.9	21.7	57.3	13.0	21	2-Jun
CV %	7.1	6.8	7.1	8.8	1.9	1.7	---	---
LSD @ .10	1.2	1.7	2.1	2.6	1.5	0.3	---	---

Planted: 11 Mar 05  
Harvested: 20 Jul 05

TABLE WA4346. 2005 WSU EXTENSION SOFT WHITE SPRING WHEAT NURSERY AT MAYVIEW, WA. (GARFIELD COUNTY)

VARIETY NAME	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2005			PLANT HT	HEAD DATE
				YIELD (BU/A)	TEST WT. (LBS/BU)	PROTEIN (%)		
NICK	51.6 (1)	48.5 (1)	47.0 (1)	40.3 (1)	57.3	11.9	26	26-Jun
ALTURAS	46.0 (3)	42.7 (5)	40.0 (4)	27.4 (13)	54.9	12.7	26	30-Jun
ALPOWA	45.3 (4)	43.1 (4)	39.9 (5)	31.4 (4)	56.5	11.2	29	29-Jun
WAWAWAI	45.2 (5)	41.2 (7)	39.1 (6)	27.9 (9)	55.9	12.2	32	27-Jun
ZAK	44.3 (6)	40.8 (8)	38.8 (8)	25.1 (17)	55.3	12.8	29	30-Jun
PENAWAWA	43.3 (7)	39.9 (9)	37.4 (10)	27.4 (14)	55.8	11.8	25	30-Jun
EDWALL	40.7 (8)	38.3 (10)	33.1 (12)	24.0 (18)	49.6	13.0	27	30-Jun
FIELDER	40.4 (9)	33.6 (11)	26.6 (13)	15.6 (20)	38.1	13.5	27	2-Jul
WAKANZ	---	44.4 (3)	41.2 (3)	29.3 (7)	53.1	12.9	27	3-Jul
LOUISE	---	41.7 (6)	35.2 (11)	29.2 (8)	54.2	12.0	32	29-Jun
WA7964	---	---	38.8 (7)	23.1 (19)	52.2	13.7	28	3-Jul
WA7952	---	---	38.6 (9)	26.4 (15)	55.9	12.2	25	30-Jun
ID632	---	---	---	37.8 (2)	58.6	12.0	23	26-Jun
WA7983	---	---	---	29.8 (6)	55.0	12.7	30	30-Jun
WA7963	---	---	---	27.4 (12)	53.6	13.8	28	2-Jul
PENAWAWA-X	---	---	---	25.6 (16)	55	12.5	24	30-Jun
<b>SOFT WHITE CLUB</b>								
EDEN	49.1 (2)	46.0 (2)	44.5 (2)	34.2 (3)	57.3	12.0	28	29-Jun
WA7960	---	---	---	30.8 (5)	55.5	12.4	27	30-Jun
WA7987	---	---	---	27.9 (10)	55.3	12.8	27	2-Jul
WA7986	---	---	---	27.6 (11)	55.5	12.8	28	2-Jul
NURSERY MEAN	45.1	41.8	38.5	28.4	54.2	12.5	27	30-Jun
CV %	9.5	6.5	8	11.2	9.9	7.3	---	---
LSD @ .10	2.6	2.1	3.0	4.4	7.4	1.3	---	---

Planted: 26 Apr 05

Harvested: 23 Aug 05

TABLE WA4361. 2005 WSU EXTENSION SOFT WHITE SPRING WHEAT NURSERY AT MOSES LAKE, WA. (IRRIGATED)

VARIETY NAME	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	YIELD (BU/A)	TEST WT. (LBS/BU)	PROTEIN (%)	2005 PLANT HT	HEAD DATE	STRIPE RUST %	STRIPE RUST TP
NICK	---	---	106.5 ( 1)	99.5 ( 4)	61.3	11.5	33	31-May	5	3
ALTURAS	---	---	103.2 ( 2)	94.4 ( 6)	60.3	11.0	33	2-Jun	10	3
WAKANZ	---	---	96.0 ( 3)	104.9 ( 1)	59.6	12.0	36	3-Jun	10	2
WA7952	---	---	93.7 ( 4)	85.0 ( 9)	60.6	11.3	31	31-May	15	4
WA7964	---	---	93.3 ( 5)	104.9 ( 2)	58.1	11.1	42	7-Jun	2	2
ALPOWA	---	---	91.0 ( 6)	101.5 ( 3)	60.2	11.3	35	1-Jun	30	2
LOUISE	---	---	78.3 ( 7)	95.8 ( 5)	60.3	11.8	38	2-Jun	10	2
WAWAWAI	---	---	62.9 ( 9)	86.5 ( 8)	58.9	11.9	38	31-May	10	4
ZAK	---	---	58.6 (10)	71.7 (16)	57.4	11.4	37	3-Jun	80	5
PENAWAWA	---	---	46.1 (11)	57.5 (17)	55.2	11.3	33	2-Jun	60	8
EDWALL	---	---	35.1 (12)	47.1 (19)	49.0	11.3	32	1-Jun	70	8
FIELDER	---	---	26.2 (13)	30.8 (20)	48.4	11.0	32	2-Jun	80	9
WA7963	---	---	---	87.5 ( 7)	59.5	11.6	35	3-Jun	10	3
WA7983	---	---	---	82.6 (12)	58.1	11.1	39	4-Jun	10	3
ID632	---	---	---	77.9 (14)	58.1	10.6	29	28-May	20	5
PENAWAWA-X	---	---	---	55.6 (18)	55.7	10.9	30	2-Jun	50	7
<b>SOFT WHITE CLUB</b>										
EDEN	---	---	71.6 ( 8)	83.3 (11)	59.3	10.9	34	2-Jun	25	5
WA7986	---	---	---	84.1 (10)	60.4	12.7	37	3-Jun	2	2
WA7960	---	---	---	81.6 (13)	59.4	11.5	33	1-Jun	15	6
WA7987	---	---	---	75.8 (15)	60.0	13.3	34	3-Jun	2	2
NURSERY MEAN	---	---	74.0	80.4	58.0	11.5	35	1-Jun	26	4
CV %	---	---	13.9	6.0	1.1	1.5	---	---	---	---
LSD @ .10	---	---	10.0	6.7	0.9	0.2	---	---	---	---

Planted: 10 Mar 05

Harvested: 11 Aug 05

TABLE WA4301. 2005 WSU EXTENSION SOFT WHITE SPRING WHEAT NURSERY AT PULLMAN, WA.

VARIETY NAME	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	YIELD (BU/A)	TEST WT. (LBS/BU)	PROTEIN (%)	2005 PLANT HT	HEAD DATE	STRIPE RUST %	STRIPE RUST TP
ALTURAS	79.8 (1)	76.7 (1)	79.1 (3)	58.7 (5)	57.8	13.1	34	26-Jun	15	8
NICK	77.5 (2)	76.1 (4)	79.9 (2)	60.9 (2)	57.9	12.9	34	22-Jun	25	6
ALPOWA	76.8 (3)	75.3 (5)	77.1 (5)	52.2 (10)	59.0	12.4	33	27-Jun	30	2
WAWAWAI	71.5 (5)	66.7 (7)	62.4 (9)	38.4 (15)	56.7	13.0	35	24-Jun	60	8
ZAK	61.5 (6)	55.2 (8)	53.0 (10)	38.0 (16)	58.5	12.9	31	27-Jun	70	7
PENAWAWA	59.5 (7)	53.5 (9)	48.8 (11)	32.3 (17)	57.5	12.8	29	28-Jun	85	9
EDWALL	55.8 (8)	49.8 (10)	42.3 (12)	29.4 (19)	50.5	13.0	28	27-Jun	80	9
FIELDER	51.7 (9)	44.6 (11)	37.0 (13)	28.2 (20)	56.1	14.0	28	29-Jun	70	9
LOUISE	---	76.7 (2)	75.7 (6)	57.0 (6)	56.8	13.3	35	25-Jun	20	2
WAKANZ	---	76.5 (3)	78.2 (4)	56.0 (7)	56.0	13.5	34	29-Jun	20	2
WA7964	---	---	82.2 (1)	58.7 (4)	56.5	13.1	35	2-Jul	2	2
WA7952	---	---	71.2 (7)	49.5 (13)	57.5	12.5	33	24-Jun	15	6
ID632	---	---	---	52.5 (9)	58.7	11.4	29	20-Jun	60	7
WA7963	---	---	---	51.1 (11)	57.9	13.4	32	28-Jun	40	2
WA7983	---	---	---	50.1 (12)	56.7	13.1	35	25-Jun	25	6
PENAWAWA-X	---	---	---	30.2 (18)	57.1	13.1	27	27-Jun	90	9
<b>SOFT WHITE CLUB</b>										
EDEN	73.7 (4)	68.7 (6)	69.1 (8)	40.4 (14)	58.9	11.8	32	26-Jun	50	8
WA7987	---	---	---	64.8 (1)	56.8	15.4	38	27-Jun	2	3
WA7960	---	---	---	59.2 (3)	58.1	13.1	35	26-Jun	2	5
WA7986	---	---	---	55.7 (8)	57.9	14.6	38	27-Jun	2	3
NURSERY MEAN	67.5	65.4	65.8	48.2	57.1	13.1	33	26-Jun	38	6
CV %	7.5	9	8.2	15.5	1.1	4.1	---	---	---	---
LSD @ .10	3.1	4.6	5.3	10.3	0.9	0.7	---	---	---	---

Planted: 20 Apr 05  
Harvested: 12 Aug 05

TABLE WA4331. 2005 WSU EXTENSION SOFT WHITE SPRING WHEAT NURSERY AT REARDAN, WA.

VARIETY NAME	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2005				
				YIELD (BU/A)	TEST WT. (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE
NICK	62.7 (2)	56.7 (2)	59.4 (1)	47.5 (3)	58.5	11.1	31	25-Jun
ALPOWA	61.7 (3)	54.4 (6)	54.0 (6)	41.8 (11)	56.9	11.6	32	27-Jun
WAWAWAI	59.4 (4)	51.8 (7)	51.9 (8)	39.8 (14)	57.5	11.7	35	27-Jun
ALTURAS	59.1 (5)	55.3 (4)	57.1 (4)	44.8 (5)	57.4	10.9	31	27-Jun
ZAK	50.9 (6)	40.3 (8)	37.5 (10)	25.4 (16)	54.5	12.4	31	27-Jun
PENAWAWA	49.3 (7)	38.7 (9)	34.7 (11)	24.3 (17)	54.9	12.1	29	27-Jun
EDWALL	49.1 (8)	37.3 (10)	33.1 (12)	21.8 (18)	49.2	12.1	29	27-Jun
FIELDER	44.7 (9)	32.9 (11)	27.1 (13)	16.2 (20)	53.5	12.1	30	27-Jun
LOUISE	---	57.3 (1)	58.2 (3)	50.7 (1)	56.6	11.6	36	27-Jun
WAKANZ	---	56.0 (3)	58.2 (2)	50.0 (2)	56.5	11.8	31	27-Jun
WA7964	---	---	54.7 (5)	43.7 (7)	55.9	11.1	35	28-Jun
WA7952	---	---	51.9 (9)	39.7 (15)	57.9	10.9	31	26-Jun
ID632	---	---	---	46.7 (4)	59.0	10.1	28	24-Jun
WA7963	---	---	---	43.4 (8)	56.6	11.8	31	27-Jun
WA7983	---	---	---	42.7 (10)	55.4	11.4	34	27-Jun
PENAWAWA-X	---	---	---	21.6 (19)	54.8	11.9	26	27-Jun
<b>SOFT WHITE CLUB</b>								
EDEN	63.5 (1)	54.7 (5)	54.0 (7)	41.2 (12)	58.6	10.9	31	27-Jun
WA7987	---	---	---	43.8 (6)	57.0	12.6	34	27-Jun
WA7986	---	---	---	43.3 (9)	57.2	12.5	34	27-Jun
WA7960	---	---	---	40.3 (13)	56.7	11.7	32	27-Jun
NURSERY MEAN	55.6	48.7	48.6	38.4	56.2	11.6	32	26-Jun
CV %	9.4	8.3	9	8.5	1.4	3.9	---	---
LSD @ .10	3.2	3.2	4.2	4.5	1.1	0.6	---	---

Planted: 20 Apr 05

Harvested: 25 Aug 05

TABLE WA4317. 2005 WSU EXTENSION SOFT WHITE SPRING WHEAT NURSERY AT RITZVILLE, WA.

VARIETY NAME	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	YIELD (BU/A)	TEST WT. (LBS/BU)	2005 PROTEIN (%)	PLANT HT	HEAD DATE
NICK	---	28.0 ( 1)	25.8 ( 2)	11.4 (14)	55.7	11.2	20	2-Jun
LOUISE	---	26.6 ( 2)	25.0 ( 4)	11.7 (11)	56.5	10.9	24	3-Jun
WAWAWAI	---	26.4 ( 3)	25.6 ( 3)	13.4 ( 3)	55.3	11.2	24	2-Jun
WAKANZ	---	26.2 ( 4)	23.8 ( 8)	12.8 ( 5)	56.7	11.8	21	4-Jun
ALTURAS	---	25.7 ( 5)	24.1 ( 7)	10.1 (16)	56.6	12.6	18	2-Jun
ALPOWA	---	25.6 ( 6)	23.7 ( 9)	9.5 (18)	53.4	11.6	21	2-Jun
EDWALL	---	24.6 ( 8)	22.1 (12)	12.0 ( 9)	52.3	13.5	21	2-Jun
FIELDER	---	24.1 ( 9)	22.5 (11)	12.4 ( 7)	54.3	11.0	19	3-Jun
ZAK	---	24.0 (10)	24.2 ( 6)	11.8 (10)	54.9	13.3	19	4-Jun
PENAWAWA	---	22.4 (11)	20.6 (13)	11.7 (12)	55.0	12.0	19	4-Jun
WA7964	---	---	27.6 ( 1)	12.9 ( 4)	58.1	11.3	22	5-Jun
WA7952	---	---	25.0 ( 5)	11.6 (13)	56.9	10.8	21	1-Jun
WA7963	---	---	---	12.4 ( 6)	57.0	11.0	21	3-Jun
WA7983	---	---	---	12.2 ( 8)	56.5	11.5	22	3-Jun
PENAWAWA-X	---	---	---	10.0 (17)	57.5	10.6	20	4-Jun
ID632	---	---	---	9.2 (19)	58.6	11.1	18	29-May
<b>SOFT WHITE CLUB</b>								
EDEN	---	25.5 ( 7)	22.8 (10)	10.1 (15)	58.4	11.2	19	1-Jun
WA7987	---	---	---	14.8 ( 1)	53.2	12.9	19	1-Jun
WA7960	---	---	---	13.7 ( 2)	55.5	12.2	19	1-Jun
WA7986	---	---	---	9.0 (20)	54.1	13.4	18	2-Jun
NURSERY MEAN	---	25.4	24.1	11.6	55.8	11.8	20	2-Jun
CV %	---	10.6	12.7	32.4	*	*	---	---
LSD @ .10	---	2.1	3.0	5.2	*	*	---	---

Planted: 15 Mar 05

Harvested: 5 Aug 05

TABLE WA4354. 2005 WSU EXTENSION SOFT WHITE SPRING WHEAT NURSERY AT ST. ANDREWS, WA. (DOUGLAS COUNTY)

VARIETY NAME	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2005				PLANT HT
				YIELD (BU/A)	TEST WT. (LBS/BU)	PROTEIN (%)	% PROTEIN	
ALPOWA	---	26.8 (2)	30.6 (1)	34.9 (1)	58.1	13.3	13.3	28
NICK	---	26.5 (3)	26.5 (6)	29.2 (6)	58.6	13.7	13.7	25
LOUISE	---	26.0 (4)	28.3 (2)	31.8 (3)	56.7	13.4	13.4	31
ALTURAS	---	25.7 (5)	27.1 (5)	28.2 (8)	57.9	12.9	12.9	26
WAWAWAI	---	25.2 (6)	24.9 (10)	28.0 (9)	58.1	13.2	13.2	31
WAKANZ	---	24.8 (7)	25.9 (8)	29.8 (5)	56.9	13.7	13.7	26
ZAK	---	23.9 (8)	25.5 (9)	27.2 (13)	56.6	14.9	14.9	28
PENAWAWA	---	23.1 (9)	23.0 (12)	25.3 (16)	56.1	13.5	13.5	26
EDWALL	---	22.8 (10)	23.4 (11)	23.6 (19)	52.9	12.8	12.8	26
FIELDER	---	21.1 (11)	20.9 (13)	18.0 (20)	54.8	13.2	13.2	24
WA7952	---	---	28.1 (3)	31.1 (4)	58.7	12.7	12.7	25
WA7964	---	---	26.5 (7)	28.3 (7)	55.6	13.7	13.7	30
ID632	---	---	---	34.6 (2)	60.6	12.3	12.3	24
WA7963	---	---	---	27.4 (11)	57.5	13.3	13.3	26
WA7983	---	---	---	27.4 (12)	57.8	13.6	13.6	28
PENAWAWA-X	---	---	---	25.5 (15)	55.5	13.9	13.9	23
<b>SOFT WHITE CLUB</b>								
EDEN	---	27.3 (1)	27.2 (4)	27.6 (10)	60.4	12.4	12.4	25
WA7960	---	---	---	26.5 (14)	57.4	13.5	13.5	26
WA7986	---	---	---	25.1 (17)	55.2	15.4	15.4	24
WA7987	---	---	---	23.7 (18)	55.6	14.8	14.8	26
NURSERY MEAN	---	24.8	26	27.6	57.0	13.5	14	26
CV %	---	16.3	13.9	10.9	1.4	3.2	---	---
LSD @ .10	---	3.2	3.5	4.1	1.1	0.6	---	---

Planted: 20 Apr 05  
Harvested: 16 Aug 05

TABLE WA4328. 2005 WSU EXTENSION SOFT WHITE SPRING WHEAT NURSERY AT ST. JOHN, WA.

VARIETY NAME	5 YEAR	3 YEAR	2 YEAR	2005				
	AVERAGE (BU/A)	AVERAGE (BU/A)	AVERAGE (BU/A)	YIELD (BU/A)	TEST WT. (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE
ALPOWA	61.6 (1)	58.7 (4)	62.3 (4)	54.3 (5)	60.0	12.1	31	18-Jun
NICK	59.9 (3)	60.6 (2)	61.9 (5)	54.4 (4)	59.6	13.9	31	16-Jun
WAWAWAI	55.5 (4)	52.7 (7)	55.5 (8)	47.3 (10)	58.4	13.1	36	17-Jun
ZAK	55.1 (5)	50.8 (8)	53.0 (10)	39.6 (16)	58.9	13.2	32	16-Jun
ALTURAS	53.1 (6)	54.5 (6)	58.7 (7)	45.0 (12)	58.1	13.3	30	18-Jun
EDWALL	52.7 (7)	48.0 (9)	46.3 (12)	31.0 (18)	52.1	13.6	30	19-Jun
FIELDER	49.6 (8)	42.7 (11)	41.4 (13)	26.9 (20)	54.8	13.7	31	17-Jun
PENAWAWA	49.0 (9)	47.2 (10)	47.7 (11)	35.2 (17)	57.0	14.2	28	17-Jun
LOUISE	---	63.5 (1)	67.7 (1)	55.6 (2)	58.5	12.7	35	16-Jun
WAKANZ	---	57.4 (5)	62.4 (3)	56.6 (1)	58.0	13.5	31	16-Jun
WA7964	---	---	61.2 (6)	46.2 (11)	57.5	13.0	33	17-Jun
WA7952	---	---	55.1 (9)	42.8 (14)	58.9	13.1	29	17-Jun
ID632	---	---	---	55.0 (3)	60.9	12.4	28	17-Jun
WA7963	---	---	---	53.2 (6)	59.0	13.1	31	18-Jun
WA7983	---	---	---	53.1 (7)	58.1	13.3	32	17-Jun
PENAWAWA-X	---	---	---	29.9 (19)	57.1	13.7	27	17-Jun
<b>SOFT WHITE CLUB</b>								
EDEN	60.5 (2)	59.8 (3)	62.4 (2)	48.6 (8)	59.7	12.7	32	18-Jun
WA7960	---	---	---	47.8 (9)	58.7	12.9	30	18-Jun
WA7987	---	---	---	43.5 (13)	58.5	14.1	35	17-Jun
WA7986	---	---	---	41.0 (15)	58.4	14.5	34	17-Jun
NURSERY MEAN	55.2	54.2	56.6	45.3	58.1	13.3	31	17-Jun
CV %	9.3	8.6	10.2	10.7	1.2	3.3	---	---
LSD @ .10	3.1	3.7	5.6	6.7	1.0	0.6	---	---

Planted: 13 Apr 05

Harvested: 12 Aug 05

TABLE WA4315. 2005 WSU EXTENSION SOFT WHITE SPRING WHEAT NURSERY AT WALLA WALLA, WA.

VARIETY NAME	5 YEAR	3 YEAR	2 YEAR	2005			PLANT HT	HEAD DATE
	AVERAGE (BU/A)	AVERAGE (BU/A)	AVERAGE (BU/A)	YIELD (BU/A)	TEST WT. (LBS/BU)	PROTEIN (%)		
NICK	50.1 ( 1)	50.6 ( 2)	49.4 ( 4)	37.2 ( 5)	54.7	14.2	28	31-May
WAWAWA	45.6 ( 3)	48.8 ( 4)	50.4 ( 2)	38.5 ( 3)	56.6	13.1	33	1-Jun
ALPOWA	44.4 ( 4)	44.6 ( 5)	45.2 ( 5)	29.0 (11)	54.4	14.2	28	2-Jun
ALTURAS	40.9 ( 5)	39.2 ( 7)	37.7 (10)	22.0 (17)	53.5	14.1	26	3-Jun
ZAK	38.9 ( 6)	39.0 ( 8)	37.9 ( 9)	31.8 ( 9)	55.9	14.3	29	3-Jun
EDWALL	36.9 ( 7)	35.3 (10)	34.5 (11)	23.4 (15)	49.6	13.6	27	1-Jun
PENAWAWA	35.7 ( 8)	36.2 ( 9)	34.4 (12)	24.8 (13)	53.6	14.3	26	3-Jun
FIELDER	29.6 ( 9)	28.4 (11)	26.9 (13)	17.5 (20)	52.0	13.8	26	3-Jun
LOUISE	---	50.7 ( 1)	54.1 ( 1)	43.0 ( 1)	56.5	12.5	32	1-Jun
WAKANZ	---	44.0 ( 6)	44.7 ( 6)	37.6 ( 4)	53.6	13.9	28	4-Jun
WA7952	---	---	42.6 ( 7)	21.3 (18)	53.4	14.0	27	1-Jun
WA7964	---	---	37.9 ( 8)	23.7 (14)	53.8	14.6	27	4-Jun
ID632	---	---	---	34.6 ( 7)	57.8	13.2	25	30-May
WA7963	---	---	---	32.2 ( 8)	55.2	14.3	28	3-Jun
WA7983	---	---	---	30.1 (10)	53.6	15.3	28	1-Jun
PENAWAWA-X	---	---	---	21.0 (19)	53.5	13.9	24	3-Jun
EDEN	48.7 ( 2)	49.4 ( 3)	49.7 ( 3)	38.5 ( 2)	58.5	12.3	29	3-Jun
WA7960	---	---	---	34.9 ( 6)	55.6	13.9	29	3-Jun
WA7986	---	---	---	26.1 (12)	54.2	16.1	29	3-Jun
WA7987	---	---	---	23.2 (16)	52.8	16.5	27	3-Jun
NURSERY MEAN	41.2	42.4	42	29.5	54.4	14.1	28	2-Jun
CV %	16.2	20.5	23.4	24.1	3.2	6.8	---	---
LSD @ .10	4.1	6.8	9.5	9.8	2.4	1.3	---	---

Planted: 16 Mar 05  
Harvested: 26 Jul 05

## 2005 HARD WHITE SPRING WHEAT

### 2005 Hard White Spring Wheat

Table XMC0532	Disease index rating for Stripe Rust
Table WA40YD	Hard White Spring Wheat Yield Summary
Table WA40TW	Hard White Spring Test Weight Summary
Table WA40PR	Hard White Spring Wheat Protein Summary
Table WA4062	Almira
Table WA4037	Bickleton
Table WA4047	Connell
Table WA4016	Dayton
Table WA4027	Dusty
Table WA4033	Fairfield
Table WA4039	Farmington
Table WA4020	Horse Heaven
Table WA4019	Lamont
Table WA4005	Lind
Table WA4046	Mayview
Table WA4061	Moses Lake
Table WA4001	Pullman
Table WA4031	Reardan
Table WA4017	Ritzville
Table WA4054	St. Andrews
Table WA4028	St. John
Table WA4015	Walla Walla

TABLE XMC0532. STRIPE RUST INFECTION TYPE (IT) AND SEVERITY (%) ON CULTIVARS AND LINES IN THE **SPRING WHEAT** EXTENSION DISEASE NURSERY (EXP32) AT SPILLMAN FARM (LOC01), OB HILL (LOC02) AND WHITLOW FARM (LOC04) NEAR PULLMAN, MT VERNON (LOC05); WALLA WALLA (LOC06); AND LIND (LOC07), WA WHEN RECORDED AT THE INDICATED DATES AND STAGES OF PLANT GROWTH IN 2005 UNDER NATURAL INFECTION. (Chen, X., USDA/ARS, August 2005).

		STRIPE RUST - 2005															
		LOC 01		LOC 02		LOC 04		LOC 05				LOC 06		LOC 07			
		Spillman Farm		Observatory Hill		Whitlow Farm		Mt Vernon				Walla Walla		Lind			
		6/12/05		7/7/05		6/23/05		5/25/05		6/29/05		5/17/05		6/16/05		6/9/05	
		Headed		Flowering		Headed		Tillering		Flowering		Stem elong.		Flowering		Flowering	
CLASS	VARIETY	IT	%	IT	%	IT	%	IT	%	IT	%	IT	%	IT	%	IT	%
<b>SOFT WHITE COMMON</b>																	
SWH	ALPOWA	2-3	10	3	40	3	20	0	0	2	20	2-3	10	3	40	2-3	5
SWH	ZAK	8	90	8	100	8	70	8	5	8	30	8	30	8	60	8	30
SWH	LOUISE	2	20	3	40	3	20	0	0	2,5	20	2	5	2	20	2	5
SWH	WAWAWAI	8	50	8	80	8	60	0	0	8	20	8	10	8	80	8	30
SWH	WAKANZ	2	10	5	40	2	10	0	0	3	20	2	5	2	30	2-3	10
SWH	EDWALL	8	90	8	100	8	70	0	0	8	50	8	20	8	90	8	80
SWH	PENAWAWA	8	90	5	100	8	70	0	0	8	40	5	10	8	40	5-7	30
SWH	PENEWAWA-X	8	90	8	100	8	70	0	0	5,8	40	5	5	8	80	8	60
SWH	FIELDER	8	90	8	100	8	70	8	5	8	60	8	30	8	100	8	90
SWH	NICK	8	40	8	50	8	20	0	0	2	1	2	5	0	0	0	0
SWH	WA7952	8	30	8	60	8	20	0	0	2	1	2	10	3	10	2	2
SWH	WA7963	3	20	5	30	5	20	0	0	2	10	5-8	30	3	15	2-3	5
SWH	WA7983	8	20	8	40	8	10	0	0	2	1	2	5	2	10	0	0
SWH	WA7964	2	20	5	20	5	10	0	0	2	5	2	1	0	0	0	0
SWH	ALTURAS	2,8	80	3	10	5	10	0	0	2	5	5	2	0	0	0	0
SWH	ID632	8	100	8	90	8	30	0	0	2	1	5	5	2-3	10	2	5
<b>SOFT WHITE CLUB</b>																	
SWH	EDEN	8	90	8	90	8	50	8	5	8	40	8	5	8	90	8	30
SWH	WA7960	8	20	8	20	8	5	0	0	2	1	2	1	0,8	10	0,8	0,40
SWH	WA7987	3	5	8	10	5	5	0	0	2	1	2	1	2	5	0	0
SWH	WA7986	3	20	3	5	3	10	0	0	2	5	2	1	0	0	0	0
<b>HARD WHITE</b>																	
HDWH	MACON	8	80	8	100	8	60	0	0	8,2	30	8	10	8	60	8	50
HDWH	OTIS	8	40	8	30	8	5	2	2	2	5	2	1	2	10	2-3,8	5
HDWH	WA7991	8	70	8	30	8	10	0	0	8	2	8	2	2	5	0	0
HDWH	WA7957	8	50	8	30	8	10	0	0	2	5	5	1	2	10	0	0
HDWH	ID377S	8	30	8	20	8	20	0	0	8	1	2	1	2	5	0	0
HDWH	LOLO	8	60	8	30	8	10	0	0	2	1	2	1	2	5	0	0
HDWH	ID597	8	70	8	30	8	30	2	2	8	30	2	5	0,8	5	0	0
HDWH	WINSOME	8	80	8	70	8	60	0	0	8	30	8	20	8	90	8	30
HDWH	BLANCA GRANDE	2	2	8	10	8	20	0	0	2	1	2	1	2	5	0,8	2
HDWH	BZ98-447W	2	2	5	10	2	5	0	0	2	2	2	1	2	5	0	0
HDWH	97WY63520	2	2	2	2	0	0	0	0	2	1	2	1	2	5	0	0
<b>HARD RED</b>																	
HRS	SCARLET	8	80	8	100	8	70	8	10	8	40	5	10	8	70	8	50
HRS	HOLLIS	2	10	8	10	8	10	0	0	2	5	2	1	2	5	0	0
HRS	TARA 2002	8	20	8	10	8	5	0	0	2	2	2	1	2,8	10	0	0
HRS	WA7994	8	30	8	60	8	60	0	0	2	5	5	10	5	30	3	5
HRS	WA7995	5	20	8	50	8	40	0	0	3	10	2	5	3	15	8	10
HRS	WA7997	3	20	5	30	8	10	2	5	2	5	2	1	2	5	0	0
HRS	WA7998	3,8	40	3	10	8	10	0	0	2	5	2	1	2	5	0	0
HRS	JEFFERSON	8	20	8	10	2	10	0	0	2	5	2	1	2	5	0	0
HRS	JEROME	8	40	8	40	2	10	0	0	2	2	2	1	2	5	0	0
HRS	ID593	8	60	8	70	8	40	0	0	8	5	2	1	2,8	10	8	5
HRS	WESTBRED 926	3	20	8	20	8	20	0	0	8	1	2	1	2	5	0,8	2
HRS	HANK	8	50	8	60	8	10	2	2	8	10	3	1	2	5	0	0
HRS	BZ999-339	3	30	8	30	8	10	0	0	8	1	2	1	2	5	0	0
HRS	BZ999-592	8	30	8	50	8	10	0	0	8	5	2	1	2	5	0	0
HRS	GMG BUCK PRONT	8	30	8	20	8	10	0	0	2	1	2	1	2	5	0	0
HRS	SX1504B	8	20	8	40	8	10	0	0	2	1	2	1	2	5	0	0
HRS	EXPRESS	2	10	3-5	40	5	20	0	0	2	10	5	10	5	20	2-5	10
HRS	SOLANO	2	2	5	30	8	10	0	0	2	5	2	1	0	0	0,8	5
HRS	YU999-178	8	60	8	50	8	10	0	0	2	5	5	1	2	5	0,8	2
HRS	96WV52303	2	2	0	0	0	0	0	0	2	1	2	1	2	5	0	0
HRS	95WV10616	0	0	0	0	0	0	0	0	2	1	2	1	2	5	0	0
HRS	SDM50034	8	20	8	20	5	5	2	2	2	5	2	1	2	5	0,8	0,30
HRS	SDM50034-1	0	0	2	2	2	2	2	2	2	1	2	1	2	5	0	0
HRS	ML118-6R2	0	0	0	0	0	0	0	0	2	10	5	1	2	5	0	0

TABLE 40YD. 2005 HARD WHITE SPRING WHEAT VARIETY TRIAL SUMMARY

VARIETY	YIELD (BU/A)															MEAN YIELD (BU/A)			
	HORSE HEAVEN	RITZVILLE	BICKLETON	CONNELL	DUSTY	LIND DRY	ST. ANDREWS	DAYTON	MAYVIEW	WALLA WALLA	ALMIRA	REARDAN	FAIRFIELD	LAMONT	ST. JOHN		PULLMAN	FARMINGTON	MOSES LAKE
BLANCA GRANDE	10.6	10.8	15.7	16.1	28.8	16.1	24.4	32.9	39.9	40.3	40.5	51.1	39.8	36.8	48.8	68.0	69.2	102.1	38.4
BZ96-447W	15.4	16.6	15.4	22.4	20.6	26.0	24.2	29.7	36.6	48.3	44.8	55.8	63.0	62.2	60.4	71.3	76.2	118.6	44.9
ID377S	11.0	13.2	7.7	18.9	16.6	22.5	21.1	24.0	28.3	26.4	36.1	46.3	35.7	48.5	48.3	49.4	54.1	98.8	33.7
ID597	13.8	9.9	14.2	20.6	17.2	22.6	26.8	24.6	34.1	44.3	36.2	49.8	63.6	55.5	54.6	59.1	62.9	93.7	39.1
LOLO	11.7	15.8	9.7	20.6	15.8	25.0	21.9	25.2	32.0	41.1	42.1	42.8	46.8	53.4	53.5	50.9	59.6	117.3	38.1
MACON	8.3	11.6	11.1	13.3	15.0	20.6	24.1	25.3	28.0	31.2	38.8	36.2	55.7	45.2	43.8	41.9	63.2	81.8	33.1
OTIS	14.0	9.3	10.8	20.1	18.9	26.3	24.4	23.1	29.5	29.3	37.5	46.0	64.9	72.6	56.3	47.5	59.0	113.5	39.1
WA7857	12.3	11.0	11.3	17.8	16.7	22.6	22.3	24.8	25.6	27.9	35.1	42.2	59.4	58.8	52.2	40.6	59.4	106.0	35.9
WA7891	12.8	10.4	12.6	19.0	21.8	23.7	23.7	23.9	26.6	28.9	38.0	52.2	47.6	51.3	56.6	54.1	62.8	105.0	37.3
WINSOME	9.7	12.3	14.2	15.1	15.3	16.3	22.2	25.7	24.4	29.9	31.5	29.9	31.1	25.5	39.0	31.8	50.5	75.2	27.8
NURSERY MEAN	12.0	12.1	12.3	18.4	18.7	22.2	23.5	25.9	30.5	34.8	38.1	45.2	50.8	51.0	51.3	51.5	61.7	101.2	36.7
CV %	15.9	23.3	23.3	10.5	19.3	9.8	10.0	7.5	7.3	25.0	7.7	6.0	13.3	8.7	8.3	13.4	6.7	4.2	11.4
LSD @ .10	2.7	4.0	4.1	2.7	5.1	3.1	3.3	2.8	3.2	12.3	4.2	3.9	9.6	6.3	6.1	9.7	5.8	6.0	1.3

TABLE 40TW. 2005 HARD WHITE SPRING WHEAT VARIETY TRIAL SUMMARY

VARIETY	TEST WEIGHT (LBS/BU)														MEAN TEST WEIGHT (LBS/BU)				
	HORSE HEAVEN	RITZVILLE	BICKLETON	CONNELL	DUSTY	LIND DRY	ST. ANDREWS	DAYTON	MAYVIEW	WALLA WALLA	ALMIRA	REARDAN	FAIRFIELD	LAMONT		ST. JOHN	PULLMAN	FARMINGTON	MOSES LAKE
BLANCA GRANDE	60.0	59.8	57.5	56.4	54.6	59.1	60.3	52.4	59.1	58.4	58.2	58.8	61.4	61.8	61.3	59.6	57.2	62.8	58.8
BZ98-447W	58.6	58.0	55.8	56.2	49.1	58.2	57.8	50.4	53.7	55.8	56.1	53.4	60.0	60.4	58.1	54.5	52.0	60.7	56.9
ID377S	58.9	59.0	54.5	56.5	52.4	57.5	57.4	51.7	53.3	54.0	55.6	55.2	59.3	59.8	58.2	53.5	54.0	60.7	56.0
ID587	58.3	56.5	54.4	56.1	49.6	57.2	56.1	50.0	51.4	55.7	53.7	53.4	59.9	60.1	58.5	54.8	51.0	58.9	55.2
LOLO	59.9	59.4	57.1	57.5	52.6	58.9	59.8	52.6	55.3	57.4	57.5	54.6	60.7	60.5	59.8	55.3	55.2	62.9	57.5
MACON	59.1	54.1	54.3	55.4	50.2	58.7	57.3	49.3	51.9	53.0	55.7	53.2	59.0	60.4	57.4	55.3	53.9	58.7	56.3
OTIS	59.8	56.5	57.4	57.1	54.6	59.2	58.8	54.4	53.9	54.4	57.5	55.6	59.9	61.9	59.6	55.6	54.7	61.9	57.3
WAT957	59.2	56.3	55.0	56.7	53.4	57.0	57.0	51.1	51.0	52.4	55.5	52.4	60.7	59.6	57.8	53.6	53.5	59.9	55.5
WAT991	59.7	56.0	57.3	56.6	55.0	59.3	58.2	52.9	53.8	55.3	57.9	56.9	60.5	61.7	60.3	58.6	57.0	62.6	57.8
WINSOME	59.1	57.8	56.5	56.5	50.4	56.7	56.8	49.6	49.9	54.1	56.5	50.3	57.2	57.7	56.8	54.2	51.2	58.5	54.5
NURSERY MEAN	59.3	57.3	56.0	56.5	52.2	58.2	57.9	51.4	53.3	55.0	56.4	54.4	59.9	60.4	58.7	55.5	54.0	60.8	56.4
CV %	*	*	*	0.9	2.2	1.1	3.3	2.1	2.6	5.1	1.4	1.6	1.5	0.6	1.0	1.7	2.0	0.6	2.1
LSD @ .10	*	*	*	0.7	1.6	0.9	2.7	1.5	2.0	4.0	1.2	1.2	1.2	0.5	0.8	1.3	1.5	0.5	0.4

TABLE 40PR. 2005 HARD WHITE SPRING WHEAT VARIETY TRIAL SUMMARY

VARIETY	PROTEIN (%)															MEAN PROTEIN (%)			
	HORSE HEAVEN	RITZVILLE	BICKLETON	CONNELL	DUSTY	LIND DRY	ST. ANDREWS	DAYTON	MAYVIEW	WALLA WALLA	ALMIRA	REARDAN	FAIRFIELD	LAMONT	ST. JOHN		PULLMAN	FARMINGTON	MOSES LAKE
BLANCA GRANDE	15.7	10.6	15.5	16.0	16.1	15.3	14.4	13.1	14.3	13.4	12.9	14.6	12.7	15.2	14.3	14.3	14.0	13.5	14.2
BZ98-447W	13.4	10.9	14.6	15.0	16.8	14.3	13.6	13.4	13.8	13.7	11.8	14.4	11.7	13.8	13.1	14.0	14.2	12.9	13.7
ID377S	14.5	12.6	17.6	16.4	17.7	15.1	15.5	15.3	14.4	15.7	14.0	15.3	12.4	13.7	14.3	15.7	14.2	12.7	14.8
ID597	14.3	12.0	15.6	15.7	16.7	15.1	15.1	14.5	14.5	13.9	13.2	14.2	11.5	13.5	13.6	13.6	14.1	12.6	14.1
LOLO	14.4	11.7	16.6	15.9	17.2	15.0	13.4	14.6	13.9	14.8	12.8	14.6	12.2	12.7	13.2	13.9	13.7	12.1	14.0
MACON	12.7	11.1	15.6	13.6	16.3	13.1	13.5	13.8	14.0	14.8	12.0	14.2	10.7	12.1	12.6	12.9	13.3	12.6	13.3
OTIS	13.7	12.0	15.7	15.2	17.2	14.3	14.9	15.4	14.8	15.5	13.2	14.1	11.3	12.8	13.6	14.6	13.7	12.2	14.2
WAT957	14.2	13.1	15.9	15.7	17.0	14.9	15.4	14.7	15.0	14.8	13.1	15.0	11.3	12.6	13.8	14.4	13.5	11.8	14.2
WAT991	13.9	11.1	15.9	16.3	16.2	14.9	15.2	14.2	15.2	14.6	12.8	14.5	12.0	13.3	13.6	13.6	13.2	12.3	14.1
WINSOME	12.6	10.3	15.4	13.1	16.9	13.5	13.9	14.2	15.8	13.7	13.0	14.0	10.3	11.8	12.9	12.3	13.2	11.5	13.3
NURSERY MEAN	13.9	11.5	15.8	15.3	16.8	14.5	14.5	14.3	14.6	14.4	12.9	14.5	11.6	13.2	13.5	13.9	13.7	12.4	14.0
CV %	*	*	*	1.1	3.6	1.4	7.6	3.4	5.2	6.0	5.4	3.1	7.3	3.4	4.1	3.0	3.2	1.6	4.3
LSD @ .10	*	*	*	0.2	0.9	0.3	1.6	0.7	1.1	1.2	1.0	0.6	1.2	0.6	0.8	0.6	0.6	0.3	0.2

TABLE WA4062. 2005 WSU EXTENSION HARD WHITE SPRING WHEAT NURSERY AT ALMIRA, WA.

VARIETY NAME	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2005				
				YIELD (BU/A)	TEST WT. (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE
LOLO	45.9 (1)	40.9 (3)	38.3 (5)	42.1 (2)	57.5	12.8	31	25-Jun
MACON	44.8 (2)	41.8 (2)	41.2 (2)	38.8 (4)	55.7	12.0	32	24-Jun
ID377S	44.7 (3)	40.8 (4)	38.5 (4)	36.1 (8)	55.6	14.0	31	25-Jun
BLANCA GRANDE	---	42.2 (1)	42.0 (1)	40.5 (3)	59.2	12.9	27	24-Jun
OTIS	---	40.4 (5)	37.3 (6)	37.5 (6)	57.5	13.2	36	24-Jun
ID597	---	---	38.6 (3)	36.2 (7)	53.7	13.2	31	24-Jun
BZ98-447W	---	---	---	44.8 (1)	56.1	11.8	31	24-Jun
WA7991	---	---	---	38.0 (5)	57.9	12.6	33	24-Jun
WA7957	---	---	---	35.1 (9)	55.5	13.1	33	25-Jun
WINSOME	---	---	---	31.5 (10)	55.5	13.0	29	27-Jun
NURSERY MEAN	45.1	41.2	39.3	38.1	56.4	12.9	31	24-Jun
CV %	11.7	10.5	11.4	7.7	1.4	5.4	---	---
LSD @ .10	3.3	3.5	4.5	4.2	1.2	1.0	---	---

Planted: 14 Apr 05

Harvested: 16 Aug 05

TABLE WA4037. 2005 WSU EXTENSION HARD WHITE SPRING WHEAT NURSERY AT BICKLETON, WA.

VARIETY NAME	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2005				
				YIELD (BU/A)	TEST WT. (LBS/BU)	PROTEIN (%)	% PROTEIN	PLANT HT
BLANCA GRANDE	---	27.5 (1)	26.6 (1)	15.7 (1)	57.5	15.5	15.5	18
LOLO	---	25.7 (2)	24.5 (3)	9.7 (9)	57.1	16.6	16.6	19
MACON	---	25.5 (3)	23.7 (4)	11.1 (7)	54.3	15.6	15.6	17
ID377S	---	23.7 (4)	21.7 (6)	7.7 (10)	54.5	17.6	17.6	17
OTIS	---	23.4 (5)	22.0 (5)	10.8 (8)	57.4	15.7	15.7	20
ID597	---	---	26.2 (2)	14.2 (3)	54.4	15.6	15.6	19
BZ98-447W	---	---	---	15.4 (2)	55.8	14.6	14.6	22
WINSOME	---	---	---	14.2 (4)	56.5	15.4	15.4	20
WA7991	---	---	---	12.6 (5)	57.3	15.9	15.9	20
WA7957	---	---	---	11.3 (6)	55.0	15.9	15.9	19
NURSERY MEAN	---	25.2	24.1	12.3	56.0	15.8	16	19
CV %	---	10.9	11.6	23.3	*	*	---	---
LSD @ .10	---	2.2	2.8	4.1	*	*	---	---

Planted: 19 Apr 05

Harvested: 10 Aug 05

TABLE WA4047. 2005 WSU EXTENSION HARD WHITE SPRING WHEAT NURSERY AT CONNELL, WA.

VARIETY NAME	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2005						
				YIELD (BU/A)	TEST WT. (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE	STRIPE RUST %	STRIPE RUST TP
LOLO	---	27.4 (1)	28.3 (2)	20.6 (3)	57.5	15.9	23	27-May	2	2
ID377S	---	27.1 (2)	28.0 (3)	18.9 (6)	56.5	16.4	23	27-May	0	0
OTIS	---	27.0 (3)	28.5 (1)	20.1 (4)	57.1	15.2	24	28-May	20	3
BLANCA GRANDE	---	23.4 (4)	22.3 (5)	16.1 (8)	56.4	16.0	21	23-May	5	2
MACON	---	22.3 (5)	22.2 (6)	13.3 (10)	55.4	13.6	19	24-May	60	8
ID597	---	---	26.2 (4)	20.6 (2)	56.1	15.7	23	25-May	5	8
BZ98-447W	---	---	---	22.4 (1)	56.2	15.0	23	24-May	5	5
WA7991	---	---	---	19.0 (5)	56.6	16.3	23	24-May	0	0
WA7957	---	---	---	17.8 (7)	56.7	15.7	23	28-May	20	3
WINSOME	---	---	---	15.1 (9)	56.5	13.1	20	29-May	70	8
NURSERY MEAN	---	25.4	25.9	18.4	56.5	15.3	22	25-May	19	4
CV %	---	8.7	9.0	10.5	0.9	1.1	---	---	---	---
LSD @ .10	---	1.8	2.3	2.7	0.7	0.2	---	---	---	---

Planted: 8 Mar 05

Harvested: 20 Jul 05

TABLE WA4016. 2005 WSU EXTENSION HARD WHITE SPRING WHEAT NURSERY AT DAYTON, WA.

VARIETY NAME	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2005				
				YIELD (BU/A)	TEST WT. (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE
LOLO	57.3 (1)	59.5 (1)	65.9 (1)	25.2 (5)	52.6	14.6	29	13-Jun
MACON	53.0 (2)	53.7 (5)	58.0 (6)	25.3 (4)	49.3	13.8	31	10-Jun
ID377S	51.4 (3)	55.4 (3)	58.4 (5)	24.0 (8)	51.7	15.3	30	12-Jun
OTIS	---	56.6 (2)	60.3 (4)	23.1 (10)	54.4	15.4	32	11-Jun
BLANCA GRANDE	---	54.4 (4)	63.1 (2)	32.9 (1)	52.4	13.1	31	9-Jun
ID597	---	---	60.4 (3)	24.6 (7)	50.0	14.5	31	12-Jun
BZ98-447W	---	---	---	29.7 (2)	50.4	13.4	32	10-Jun
WINSOME	---	---	---	25.7 (3)	49.6	14.2	31	13-Jun
WA7957	---	---	---	24.8 (6)	51.1	14.7	31	13-Jun
WA7991	---	---	---	23.9 (9)	52.9	14.2	32	10-Jun
NURSERY MEAN	53.9	55.9	61	25.9	51.4	14.3	31	11-Jun
CV %	7.8	8.2	8.6	7.5	2.1	3.4	---	---
LSD @ .10	2.6	3.7	5.2	2.8	1.5	0.7	---	---

Planted: 9 Mar 05

Harvested: 27 Jul 05

TABLE WA4027. 2005 WSU EXTENSION HARD WHITE SPRING WHEAT NURSERY AT DUSTY, WA.

VARIETY NAME	5 YEAR	3 YEAR	2 YEAR	2005						
	AVERAGE (BU/A)	AVERAGE (BU/A)	AVERAGE (BU/A)	YIELD (BU/A)	TEST WT. (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE	STRIPE RUST %	STRIPE RUST TP
LOLO	43.7 ( 1)	37.0 ( 5)	35.7 ( 5)	15.8 ( 8)	52.6	17.2	26	7-Jun	10	4
ID377S	43.2 ( 2)	41.0 ( 3)	36.7 ( 4)	16.6 ( 7)	52.4	17.7	27	7-Jun	10	4
MACON	39.2 ( 3)	37.9 ( 4)	35.5 ( 6)	15.0 (10)	50.2	16.3	26	6-Jun	50	7
BLANCA GRANDE	---	48.3 ( 1)	45.6 ( 1)	28.8 ( 1)	54.6	16.1	27	6-Jun	10	3
OTIS	---	41.8 ( 2)	38.6 ( 2)	18.9 ( 4)	54.6	17.2	30	8-Jun	10	3
ID597	---	---	36.7 ( 3)	17.2 ( 5)	49.6	16.7	26	7-Jun	5	8
WA7991	---	---	---	21.8 ( 2)	55.0	16.2	31	6-Jun	5	3
BZ98-447W	---	---	---	20.6 ( 3)	49.1	16.8	28	6-Jun	2	2
WA7957	---	---	---	16.7 ( 6)	53.4	17.0	29	8-Jun	5	4
WINSOME	---	---	---	15.3 ( 9)	50.4	16.9	26	10-Jun	30	8
NURSERY MEAN	42	41.2	38.1	18.7	52.2	16.8	28	7-Jun	14	5
CV %	34.2	10.2	11.6	19.3	2.2	3.6	---	---	---	---
LSD @ .10	9.1	3.4	4.4	5.1	1.6	0.9	---	---	---	---

Planted: 16 Mar 05

Harvested: 2 Aug 05

TABLE WA4033. 2005 WSU EXTENSION HARD WHITE SPRING WHEAT NURSERY AT FAIRFIELD, WA.

VARIETY NAME	5 YEAR	3 YEAR	2 YEAR	2005					
	AVERAGE (BU/A)	AVERAGE (BU/A)	AVERAGE (BU/A)	YIELD (BU/A)	TEST WT. (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE	HESSIAN FLY %
LOLO	71.2 ( 1)	54.3 ( 3)	59.5 ( 5)	46.8 ( 7)	60.7	12.2	33	25-Jun	63
MACON	70.7 ( 2)	57.8 ( 2)	66.2 ( 3)	55.7 ( 5)	59.0	10.7	34	24-Jun	0
ID377S	69.0 ( 3)	50.8 ( 5)	54.1 ( 6)	35.7 ( 9)	59.3	12.4	31	25-Jun	70
OTIS	---	61.5 ( 1)	70.7 ( 1)	64.9 ( 1)	59.9	11.3	38	25-Jun	3
BLANCA GRANDE	---	53.6 ( 4)	59.5 ( 4)	39.8 ( 8)	61.4	12.7	26	22-Jun	70
ID597	---	---	67.4 ( 2)	63.6 ( 2)	59.9	11.5	33	24-Jun	3
BZ98-447W	---	---	---	63.0 ( 3)	60.0	11.7	33	22-Jun	8
WA7957	---	---	---	59.4 ( 4)	60.7	11.3	35	25-Jun	0
WA7991	---	---	---	47.6 ( 6)	60.5	12.0	34	24-Jun	43
WINSOME	---	---	---	31.1 (10)	57.2	10.3	30	26-Jun	70
NURSERY MEAN	70.3	55.6	62.9	50.8	59.9	11.6	33	24-Jun	33
CV %	8.5	9.6	9.2	13.3	1.5	7.3	---	---	---
LSD @ .10	3.8	4.3	5.7	9.6	1.2	1.2	---	---	---

Planted: 15 Apr 05

Harvested: 24 Aug 05

TABLE WA4039. 2005 WSU EXTENSION HARD WHITE SPRING WHEAT NURSERY AT FARMINGTON, WA.

VARIETY NAME	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2005				
				YIELD (BU/A)	TEST WT. (LBS/BU)	PROTEIN (%)	PLANT HT	HESSIAN FLY %
LOLO	85.8 (1)	86.9 (1)	95.6 (2)	59.6 (6)	55.2	13.7	30	50
MACON	80.8 (2)	82.9 (4)	94.8 (3)	63.2 (3)	53.9	13.3	30	13
ID377S	78.6 (3)	80.2 (5)	91.8 (5)	54.1 (9)	54.0	14.2	31	37
BLANCA GRANDE	---	84.9 (2)	98.1 (1)	69.2 (2)	57.2	14.0	26	20
OTIS	---	83.7 (3)	94.0 (4)	59.0 (8)	54.7	13.7	36	7
ID597	---	---	90.3 (6)	62.9 (4)	51.0	14.1	30	7
BZ98-447W	---	---	---	76.2 (1)	52.0	14.2	35	3
WA7991	---	---	---	62.8 (5)	57.0	13.2	35	17
WA7957	---	---	---	59.4 (7)	53.5	13.5	34	13
WINSOME	---	---	---	50.5 (10)	51.2	13.2	27	50
NURSERY MEAN	81.7	83.7	94.1	61.7	54.0	13.7	31	22
CV %	9.6	9.0	9.5	6.7	2.0	3.2	---	---
LSD @ .10	4.9	6.0	8.9	5.8	1.5	0.6	---	---

Planted: 21 Apr 05  
Harvested: 24 Aug 05

TABLE WA4020. 2005 WSU EXTENSION HARD WHITE SPRING WHEAT NURSERY AT HORSE HEAVEN, WA.

VARIETY NAME	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2005				
				YIELD (BU/A)	TEST WT. (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE
ID377S	24.3 (1)	28.7 (2)	29.9 (3)	11.0 (7)	58.9	14.5	19	31-May
LOLO	23.9 (2)	28.0 (3)	28.6 (4)	11.7 (6)	59.9	14.4	20	31-May
MACON	20.5 (3)	24.0 (5)	23.8 (6)	8.3 (10)	59.1	12.7	19	28-May
OTIS	---	28.8 (1)	30.0 (2)	14.0 (2)	59.8	13.7	23	1-Jun
BLANCA GRANDE	---	24.5 (4)	25.2 (5)	10.6 (8)	60.0	15.7	17	28-May
ID597	---	---	30.4 (1)	13.8 (3)	58.3	14.3	19	28-May
BZ98-447W	---	---	---	15.4 (1)	58.8	13.4	21	28-May
WA7991	---	---	---	12.8 (4)	59.7	13.9	20	28-May
WA7957	---	---	---	12.3 (5)	59.2	14.2	22	31-May
WINSOME	---	---	---	9.7 (9)	59.1	12.6	19	31-May
NURSERY MEAN	22.9	26.8	28	12.0	59.3	13.9	20	29-May
CV %	9.7	8.8	9.5	15.9	---	---	---	---
LSD @ .10	1.4	1.9	2.7	2.7	---	---	---	---

Planted: 17 Mar 05  
Harvested: 18 Jul 05

TABLE WA4019. 2005 WSU EXTENSION HARD WHITE SPRING WHEAT NURSERY AT LAMONT, WA.

VARIETY NAME	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	YIELD (BU/A)	TEST WT. (LBS/BU)	2005 PROTEIN (%)	PLANT HT	HEAD DATE
LOLO	38.3 (1)	40.1 (2)	41.9 (2)	53.4 (5)	60.5	12.7	33	9-Jun
ID377S	35.1 (2)	37.2 (3)	39.3 (4)	48.5 (7)	59.8	13.7	33	10-Jun
MACON	31.7 (3)	34.0 (4)	34.9 (5)	45.2 (8)	60.4	12.1	34	9-Jun
OTIS	---	44.7 (1)	50.6 (1)	72.6 (1)	61.9	12.8	37	9-Jun
BLANCA GRANDE	---	32.4 (5)	32.8 (6)	36.8 (9)	61.8	15.2	27	10-Jun
ID597	---	---	39.3 (3)	55.5 (4)	60.1	13.5	34	9-Jun
BZ98-447W	---	---	---	62.2 (2)	60.4	13.8	34	9-Jun
WA7957	---	---	---	58.8 (3)	59.6	12.6	36	9-Jun
WA7991	---	---	---	51.3 (6)	61.7	13.3	34	9-Jun
WINSOME	---	---	---	25.5 (10)	57.7	11.8	28	10-Jun
NURSERY MEAN	35	37.7	39.8	51.0	60.4	13.2	33	9-Jun
CV %	15.2	9.8	11.1	8.7	0.6	3.4	---	---
LSD @ .10	3.3	3	4.4	6.3	0.5	0.6	---	---

Planted: 21 Mar 05

Harvested: 8 Aug 05

TABLE WA4005. 2005 WSU EXTENSION HARD WHITE SPRING WHEAT NURSERY AT LIND, WA.

VARIETY NAME	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	YIELD (BU/A)	TEST WT. (LBS/BU)	2005 PROTEIN (%)	PLANT HT	HEAD DATE
LOLO	29.7 (1)	32.6 (1)	32.2 (2)	25.0 (3)	58.9	15.0	25	31-May
ID377S	28.3 (2)	30.9 (3)	30.2 (3)	22.5 (7)	57.5	15.1	24	31-May
MACON	27.7 (3)	30.8 (4)	30.0 (5)	20.6 (8)	58.7	13.1	22	29-May
OTIS	---	32.2 (2)	32.5 (1)	26.3 (1)	59.2	14.3	28	31-May
BLANCA GRANDE	---	27.5 (5)	25.5 (6)	16.1 (10)	59.1	15.3	20	28-May
ID597	---	---	30.1 (4)	22.6 (5)	57.2	15.1	22	30-May
BZ98-447W	---	---	---	26.0 (2)	58.2	14.3	24	29-May
WA7991	---	---	---	23.7 (4)	59.3	14.9	24	29-May
WA7957	---	---	---	22.6 (6)	57.0	14.9	26	2-Jun
WINSOME	---	---	---	16.3 (9)	56.7	13.5	23	2-Jun
NURSERY MEAN	28.5	30.8	30.1	22.2	58.2	14.5	24	30-May
CV %	6.6	7.9	8.2	9.8	1.1	1.4	---	---
LSD @ .10	1.2	2	2.5	3.1	0.9	0.3	---	---

Planted: 11 Mar 05

Harvested: 20 Jul 05

TABLE WA4046. 2005 WSU EXTENSION HARD WHITE SPRING WHEAT NURSERY AT MAYVIEW, WA. (GARFIELD COUNTY)

VARIETY NAME	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2005				
				YIELD (BU/A)	TEST WT. (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE
LOLO	52.9 (1)	46.3 (1)	47.0 (2)	32.0 (4)	55.3	13.9	30	28-Jun
ID377S	49.3 (2)	43.0 (3)	41.4 (4)	28.3 (6)	53.3	14.4	30	27-Jun
MACON	41.3 (3)	39.9 (5)	38.3 (6)	28.0 (7)	51.9	14.0	30	26-Jun
BLANCA GRANDE	---	46.0 (2)	48.2 (1)	39.9 (1)	59.1	14.3	26	26-Jun
OTIS	---	41.9 (4)	38.9 (5)	29.5 (5)	53.9	14.8	33	28-Jun
ID597	---	---	46.6 (3)	34.1 (3)	51.4	14.5	29	26-Jun
BZ98-447W	---	---	---	36.6 (2)	53.7	13.8	32	26-Jun
WA7991	---	---	---	26.6 (8)	53.8	15.2	31	26-Jun
WA7957	---	---	---	25.6 (9)	51.0	15.0	31	30-Jun
WINSOME	---	---	---	24.4 (10)	49.9	15.8	27	2-Jul
NURSERY MEAN	47.8	43.4	43.4	30.5	53.3	14.6	30	27-Jun
CV %	6.1	4.6	4.9	7.3	2.6	5.2	---	---
LSD @ .10	1.8	1.6	2.1	3.2	2.0	1.1	---	---

Planted: 26 Apr 05

Harvested: 23 Aug 05

TABLE WA4061. 2005 WSU EXTENSION HARD WHITE SPRING WHEAT NURSERY AT MOSES LAKE, WA. (IRRIGATED)

VARIETY NAME	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2005						
				YIELD (BU/A)	TEST WT. (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE	STRIPE RUST %	STRIPE RUST TP
BLANCA GRANDE	---	---	117.8 (1)	102.1 (7)	62.8	13.5	28	28-May	5	3
LOLO	---	---	109.4 (2)	117.3 (2)	62.9	12.1	37	1-Jun	2	4
OTIS	---	---	108.5 (3)	113.5 (3)	61.9	12.2	39	2-Jun	2	2
ID597	---	---	100.8 (4)	93.7 (9)	58.9	12.6	33	31-May	2	7
ID377S	---	---	86.9 (5)	98.8 (8)	60.7	12.7	35	1-Jun	2	2
MACON	---	---	82.7 (6)	81.8 (10)	58.7	12.6	32	30-May	25	8
BZ98-447W	---	---	---	118.6 (1)	60.7	12.9	34	29-May	2	2
97Y63520	---	---	---	113.4 (4)	61.0	12.7	33	29-May	2	2
WA7957	---	---	---	106.0 (5)	59.9	11.8	39	2-Jun	2	2
WA7991	---	---	---	105.0 (6)	62.6	12.3	35	30-May	2	2
WINSOME	---	---	---	75.2 (11)	58.5	11.5	30	3-Jun	20	8
NURSERY MEAN	---	---	101.0	102.3	60.8	12.5	34	31-May	6	4
CV %	---	---	9.4	4.0	0.6	1.5	---	---	---	---
LSD @ .10	---	---	9.5	5.7	0.5	0.3	---	---	---	---

Planted: 10 Mar 05

Harvested: 11 Aug 05

TABLE WA4001. 2005 WSU EXTENSION HARD WHITE SPRING WHEAT NURSERY AT PULLMAN, WA.

VARIETY NAME	5 YEAR	3 YEAR	2 YEAR	2005						
	AVERAGE (BU/A)	AVERAGE (BU/A)	AVERAGE (BU/A)	YIELD (BU/A)	TEST WT. (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE	STRIPE RUST %	STRIPE RUST TP
LOLO	80.9 (1)	76.2 (1)	78.9 (2)	50.9 (5)	55.3	13.9	33	26-Jun	40	5
ID377S	73.9 (2)	69.4 (4)	72.3 (4)	49.4 (6)	53.5	15.7	33	25-Jun	25	5
MACON	66.1 (3)	60.5 (5)	60.3 (6)	41.9 (8)	55.3	12.9	31	22-Jun	60	7
BLANCA GRANDE	---	75.7 (2)	84.5 (1)	68.0 (2)	59.6	14.3	31	20-Jun	10	6
OTIS	---	70.3 (3)	71.4 (5)	47.5 (7)	55.6	14.6	38	24-Jun	25	5
ID597	---	---	76.7 (3)	59.1 (3)	54.8	13.6	34	23-Jun	25	6
BZ98-447W	---	---	---	71.3 (1)	54.5	14.0	36	23-Jun	10	3
WA7991	---	---	---	54.1 (4)	58.6	13.6	36	21-Jun	40	7
WA7957	---	---	---	40.6 (9)	53.6	14.4	34	25-Jun	15	5
WINSOME	---	---	---	31.8 (10)	54.2	12.3	30	29-Jun	60	9
NURSERY MEAN	73.6	70.4	74	51.5	55.5	13.9	34	23-Jun	31	6
CV %	5.8	7.6	7.6	13.4	1.7	3.0	---	---	---	---
LSD @ .10	2.7	4.3	5.6	9.7	1.3	0.6	---	---	---	---

Planted: 20 Apr 05  
Harvested: 12 Aug 05

TABLE WA4031. 2005 WSU EXTENSION HARD WHITE SPRING WHEAT NURSERY AT REARDAN, WA.

VARIETY NAME	5 YEAR	3 YEAR	2 YEAR	2005				
	AVERAGE (BU/A)	AVERAGE (BU/A)	AVERAGE (BU/A)	YIELD (BU/A)	TEST WT. (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE
LOLO	59.0 (1)	54.8 (3)	56.0 (5)	42.8 (7)	54.6	14.6	34	25-Jun
ID377S	57.9 (2)	55.7 (2)	59.4 (2)	46.3 (5)	55.2	15.3	34	25-Jun
MACON	52.8 (3)	47.6 (5)	49.6 (6)	36.2 (9)	53.2	14.2	33	24-Jun
BLANCA GRANDE	---	58.1 (1)	61.6 (1)	51.1 (3)	58.8	14.6	30	22-Jun
OTIS	---	53.3 (4)	56.2 (4)	46.0 (6)	55.6	14.1	38	25-Jun
ID597	---	---	58.1 (3)	49.8 (4)	53.4	14.2	33	24-Jun
BZ98-447W	---	---	---	55.8 (1)	53.4	14.4	36	24-Jun
WA7991	---	---	---	52.2 (2)	56.9	14.5	38	24-Jun
WA7957	---	---	---	42.2 (8)	52.4	15.0	37	26-Jun
WINSOME	---	---	---	29.9 (10)	50.3	14.0	31	27-Jun
NURSERY MEAN	56.6	53.9	56.8	45.2	54.4	14.5	34	24-Jun
CV %	6.4	5.8	5.6	6.0	1.6	3.1	---	---
LSD @ .10	2.3	2.5	3.2	3.9	1.2	0.6	---	---

Planted: 20 Apr 05  
Harvested: 25 Aug 05

TABLE WA4017. 2005 WSU EXTENSION HARD WHITE SPRING WHEAT NURSERY AT RITZVILLE, WA.

VARIETY NAME	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2005			PLANT HT	HEAD DATE
				YIELD (BU/A)	TEST WT. (LBS/BU)	PROTEIN (%)		
LOLO	---	26.0 ( 1)	23.9 ( 1)	15.8 ( 2)	59.4	11.7	21	3-Jun
BLANCA GRANDE	---	24.8 ( 2)	22.7 ( 2)	10.8 ( 7)	59.8	10.6	18	29-May
ID377S	---	23.5 ( 3)	21.7 ( 4)	13.2 ( 3)	59.0	12.6	21	2-Jun
MACON	---	22.2 ( 4)	21.8 ( 3)	11.6 ( 5)	54.1	11.1	22	31-May
OTIS	---	21.7 ( 5)	20.4 ( 6)	9.3 (10)	56.5	12.0	22	3-Jun
ID597	---	---	20.4 ( 5)	9.9 ( 9)	56.5	12.0	21	1-Jun
BZ98-447W	---	---	---	16.6 ( 1)	58.0	10.9	21	1-Jun
WINSOME	---	---	---	12.3 ( 4)	57.8	10.3	20	3-Jun
WA7957	---	---	---	11.0 ( 6)	56.3	13.1	21	3-Jun
WA7991	---	---	---	10.4 ( 8)	56.0	11.1	22	1-Jun
NURSERY MEAN	---	23.7	21.8	12.1	57.3	11.5	21	1-Jun
CV %	---	14.2	17.0	23.3	---	---	---	---
LSD @ .10	---	2.7	3.7	4.0	---	---	---	---

Planted: 15 Mar 05

Harvested: 5 Aug 05

TABLE WA4054. 2005 WSU EXTENSION HARD WHITE SPRING WHEAT NURSERY AT ST. ANDREWS, WA. (DOUGLAS COUNTY)

VARIETY NAME	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2005			PLANT HT
				YIELD (BU/A)	TEST WT. (LBS/BU)	PROTEIN (%)	
OTIS	---	24.1 ( 1)	25.5 ( 2)	24.4 ( 2)	58.8	14.9	29
MACON	---	23.5 ( 2)	26.3 ( 1)	24.1 ( 5)	57.3	13.5	26
BLANCA GRANDE	---	22.3 ( 3)	25.2 ( 3)	24.4 ( 3)	60.3	14.4	24
LOLO	---	21.6 ( 4)	24.3 ( 5)	21.9 ( 9)	59.8	13.4	25
ID377S	---	20.4 ( 5)	22.6 ( 6)	21.1 (10)	57.4	15.5	25
ID597	---	---	25.1 ( 4)	26.8 ( 1)	56.1	15.1	26
BZ98-447W	---	---	---	24.2 ( 4)	57.8	13.6	26
WA7991	---	---	---	23.7 ( 6)	58.2	15.2	26
WA7957	---	---	---	22.3 ( 7)	57.0	15.4	28
WINSOME	---	---	---	22.2 ( 8)	56.8	13.9	25
NURSERY MEAN	---	22.4	24.8	23.5	57.9	14.5	26
CV %	---	14.8	14.1	10.0	3.3	7.6	---
LSD @ .10	---	2.7	3.5	3.3	2.7	1.6	---

Planted: 20 Apr 05

Harvested: 16 Aug 05

TABLE WA4028. 2005 WSU EXTENSION HARD WHITE SPRING WHEAT NURSERY AT ST. JOHN, WA.

VARIETY NAME	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2005				
				YIELD (BU/A)	TEST WT. (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE
LOLO	61.9 (1)	58.5 (1)	62.2 (1)	53.5 (5)	59.8	13.2	34	16-Jun
ID377S	56.8 (2)	54.5 (4)	56.7 (5)	48.3 (8)	58.2	14.3	33	16-Jun
MACON	56.6 (3)	53.4 (5)	55.0 (6)	43.8 (9)	57.4	12.6	33	17-Jun
OTIS	---	58.0 (2)	62.0 (2)	56.3 (3)	59.6	13.6	37	17-Jun
BLANCA GRANDE	---	57.7 (3)	59.8 (4)	48.8 (7)	61.3	14.3	28	17-Jun
ID597	---	---	60.7 (3)	54.6 (4)	58.5	13.6	33	18-Jun
BZ98-447W	---	---	---	60.4 (1)	58.1	13.1	33	17-Jun
WA7991	---	---	---	56.6 (2)	60.3	13.6	36	17-Jun
WA7957	---	---	---	52.2 (6)	57.8	13.8	37	17-Jun
WINSOME	---	---	---	39.0 (10)	55.8	12.9	30	16-Jun
NURSERY MEAN	58.5	56.4	59.4	51.3	58.7	13.5	33	16-Jun
CV %	5.4	5.5	5.2	8.3	1.0	4.1	---	---
LSD @ .10	2	2.5	3.1	6.1	0.8	0.8	---	---

Planted: 13 Apr 05  
Harvested: 12 Aug 05

TABLE WA4015. 2005 WSU EXTENSION HARD WHITE SPRING WHEAT NURSERY AT WALLA WALLA, WA.

VARIETY NAME	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2005				
				YIELD (BU/A)	TEST WT. (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE
LOLO	51.4 (1)	56.0 (1)	61.3 (1)	41.1 (3)	57.4	13.8	31	1-Jun
ID377S	44.3 (2)	47.5 (4)	49.1 (5)	26.4 (10)	54.0	15.7	28	1-Jun
MACON	43.8 (3)	45.3 (5)	47.7 (6)	31.2 (5)	53.0	14.8	28	31-May
BLANCA GRANDE	---	50.6 (2)	52.1 (3)	40.3 (4)	58.4	13.4	25	29-May
OTIS	---	48.4 (3)	50.9 (4)	29.3 (7)	54.4	15.5	33	1-Jun
ID597	---	---	58.5 (2)	44.3 (2)	55.7	13.9	30	31-May
BZ98-447W	---	---	---	48.3 (1)	55.8	13.7	31	31-May
WINSOME	---	---	---	29.9 (6)	54.1	13.7	28	1-Jun
WA7991	---	---	---	28.9 (8)	55.3	14.6	30	31-May
WA7957	---	---	---	27.9 (9)	52.4	14.8	31	1-Jun
NURSERY MEAN	46.5	49.6	53.3	34.8	55.0	14.4	30	31-May
CV %	10.4	13.8	15.5	25.0	5.1	6.0	---	---
LSD @ .10	3	5.5	8.2	12.3	4.0	1.2	---	---

Planted: 16 Mar 05  
Harvested: 26 Jul 05

## 2005 HARD RED SPRING WHEAT

### 2005 Hard Red Spring Wheat

Table XMC0532	Disease index rating for Stripe Rust
Table WA45YD.	Hard Red Spring Wheat Yield Summary
Table WA45TW.	Hard Red Spring Test Weight Yield Summary
Table WA45PR.	Hard Red Spring Wheat Protein Summary
Table WA4562.	Almira
Table WA4537.	Bickleton
Table WA4547.	Connell
Table WA4516.	Dayton
Table WA4527.	Dusty
Table WA4533.	Fairfield
Table WA4539.	Farmington
Table WA4520.	Horse Heaven
Table WA4519.	Lamont
Table WA4505.	Lind
Table WA4546.	Mayview
Table WA4561.	Moses Lake
Table WA4501.	Pullman
Table WA4531.	Reardan
Table WA4517.	Ritzville
Table WA4554.	St. Andrews
Table WA4528.	St. John
Table WA4515.	Walla Walla

TABLE XMC0532. STRIPE RUST INFECTION TYPE (IT) AND SEVERITY (%) ON CULTIVARS AND LINES IN THE **SPRING WHEAT** EXTENSION DISEASE NURSERY (EXP32) AT SPILLMAN FARM (LOC01), OB HILL (LOC02) AND WHITLOW FARM (LOC04) NEAR PULLMAN, MT VERNON (LOC05); WALLA WALLA (LOC06); AND LIND (LOC07), WA WHEN RECORDED AT THE INDICATED DATES AND STAGES OF PLANT GROWTH IN 2005 UNDER NATURAL INFECTION. (Chen, X., USDA/ARS, August 2005).

		STRIPE RUST - 2005															
		LOC 01		LOC 02		LOC 04		LOC 05			LOC 06			LOC 07			
		Spillman Farm		Observatory Hill		Whitlow Farm		Mt Vernon			Walla Walla			Lind			
		6/12/05		7/7/05		6/23/05		5/25/05		6/29/05	5/17/05		6/16/05	6/9/05			
CLASS	VARIETY	IT	%	IT	%	IT	%	IT	%	IT	%	IT	%	IT	%		
<b>SOFT WHITE COMMON</b>																	
SWH	ALPOWA	2-3	10	3	40	3	20	0	0	2	20	2-3	10	3	40	2-3	5
SWH	ZAK	8	90	8	100	8	70	8	5	8	30	8	30	8	60	8	30
SWH	LOUISE	2	20	3	40	3	20	0	0	2,5	20	2	5	2	20	2	5
SWH	WAWAWAI	8	50	8	80	8	60	0	0	8	20	8	10	8	80	8	30
SWH	WAKANZ	2	10	5	40	2	10	0	0	3	20	2	5	2	30	2-3	10
SWH	EDWALL	8	90	8	100	8	70	0	0	8	50	8	20	8	90	8	80
SWH	PENAWAWA	8	90	5	100	8	70	0	0	8	40	5	10	8	40	5-7	30
SWH	PENEWAWA-X	8	90	8	100	8	70	0	0	5,8	40	5	5	8	80	8	60
SWH	FIELDER	8	90	8	100	8	70	8	5	8	60	8	30	8	100	8	90
SWH	NICK	8	40	8	50	8	20	0	0	2	1	2	5	0	0	0	0
SWH	WA7952	8	30	8	60	8	20	0	0	2	1	2	10	3	10	2	2
SWH	WA7963	3	20	5	30	5	20	0	0	2	10	5-8	30	3	15	2-3	5
SWH	WA7983	8	20	8	40	8	10	0	0	2	1	2	5	2	10	0	0
SWH	WA7964	2	20	5	20	5	10	0	0	2	5	2	1	0	0	0	0
SWH	ALTURAS	2,8	80	3	10	5	10	0	0	2	5	5	2	0	0	0	0
SWH	ID632	8	100	8	90	8	30	0	0	2	1	5	5	2-3	10	2	5
<b>SOFT WHITE CLUB</b>																	
SWH	EDEN	8	90	8	90	8	50	8	5	8	40	8	5	8	90	8	30
SWH	WA7960	8	20	8	20	8	5	0	0	2	1	2	1	0,8	10	0,8	0,40
SWH	WA7987	3	5	8	10	5	5	0	0	2	1	2	1	2	5	0	0
SWH	WA7986	3	20	3	5	3	10	0	0	2	5	2	1	0	0	0	0
<b>HARD WHITE</b>																	
HDWH	MACON	8	80	8	100	8	60	0	0	8,2	30	8	10	8	60	8	50
HDWH	OTIS	8	40	8	30	8	5	2	2	2	5	2	1	2	10	2-3,8	5
HDWH	WA7991	8	70	8	30	8	10	0	0	8	2	8	2	2	5	0	0
HDWH	WA7957	8	50	8	30	8	10	0	0	2	5	5	1	2	10	0	0
HDWH	ID377S	8	30	8	20	8	20	0	0	8	1	2	1	2	5	0	0
HDWH	LOLO	8	60	8	30	8	10	0	0	2	1	2	1	2	5	0	0
HDWH	ID597	8	70	8	30	8	30	2	2	8	30	2	5	0,8	5	0	0
HDWH	WINSOME	8	80	8	70	8	60	0	0	8	30	8	20	8	90	8	30
HDWH	BLANCA GRANDE	2	2	8	10	8	20	0	0	2	1	2	1	2	5	0,8	2
HDWH	BZ98-447W	2	2	5	10	2	5	0	0	2	2	2	1	2	5	0	0
HDWH	97WY63520	2	2	2	2	0	0	0	0	2	1	2	1	2	5	0	0
<b>HARD RED</b>																	
HRS	SCARLET	8	80	8	100	8	70	8	10	8	40	5	10	8	70	8	50
HRS	HOLLIS	2	10	8	10	8	10	0	0	2	5	2	1	2	5	0	0
HRS	TARA 2002	8	20	8	10	8	5	0	0	2	2	2	1	2,8	10	0	0
HRS	WA7994	8	30	8	60	8	60	0	0	2	5	5	10	5	30	3	5
HRS	WA7995	5	20	8	50	8	40	0	0	3	10	2	5	3	15	8	10
HRS	WA7997	3	20	5	30	8	10	2	5	2	5	2	1	2	5	0	0
HRS	WA7998	3,8	40	3	10	8	10	0	0	2	5	2	1	2	5	0	0
HRS	JEFFERSON	8	20	8	10	2	10	0	0	2	5	2	1	2	5	0	0
HRS	JEROME	8	40	8	40	2	10	0	0	2	2	2	1	2	5	0	0
HRS	ID593	8	60	8	70	8	40	0	0	8	5	2	1	2,8	10	8	5
HRS	WESTBRED 926	3	20	8	20	8	20	0	0	8	1	2	1	2	5	0,8	2
HRS	HANK	8	50	8	60	8	10	2	2	8	10	3	1	2	5	0	0
HRS	BZ999-339	3	30	8	30	8	10	0	0	8	1	2	1	2	5	0	0
HRS	BZ999-592	8	30	8	50	8	10	0	0	8	5	2	1	2	5	0	0
HRS	GMG BUCK PRONT	8	30	8	20	8	10	0	0	2	1	2	1	2	5	0	0
HRS	SX1504B	8	20	8	40	8	10	0	0	2	1	2	1	2	5	0	0
HRS	EXPRESS	2	10	3-5	40	5	20	0	0	2	10	5	10	5	20	2-5	10
HRS	SOLANO	2	2	5	30	8	10	0	0	2	5	2	1	0	0	0,8	5
HRS	YU999-178	8	60	8	50	8	10	0	0	2	5	5	1	2	5	0,8	2
HRS	96WV52303	2	2	0	0	0	0	0	0	2	1	2	1	2	5	0	0
HRS	95WV10616	0	0	0	0	0	0	0	0	2	1	2	1	2	5	0	0
HRS	SDM50034	8	20	8	20	5	5	2	2	2	5	2	1	2	5	0,8	0,30
HRS	SDM50034-1	0	0	2	2	2	2	2	2	2	1	2	1	2	5	0	0
HRS	ML118-6R2	0	0	0	0	0	0	0	0	2	10	5	1	2	5	0	0

TABLE 45YD. 2005 HARD RED SPRING WHEAT VARIETY TRIAL SUMMARY

YIELD (BU/A)

VARIETY	BICKLETON	RITZVILLE	HORSE HEAVEN	CONNELL	DUSTY	LIND DRY	ST. ANDREWS	DAYTON	WALLA WALLA	MAYVIEW	ALMIRA	REARDAN	LAMONT	ST. JOHN	PULLMAN	FAIRFIELD	FARMINGTON	MOSES LAKE	MEAN YIELD (BU/A)
BZ999-339	12.8	12.4	12.3	15.1	20.3	20.4	24.8	25.0	36.8	36.9	35.8	49.3	53.3	61.8	59.9	58.1	65.0	99.4	38.8
BZ999-592	10.5	13.9	15.5	19.4	17.0	22.8	28.1	30.1	26.7	34.4	35.2	45.4	39.0	50.4	51.1	42.4	57.2	84.5	34.6
BUCK PRONTO	11.7	16.0	12.2	15.2	21.0	19.4	25.3	24.4	28.2	34.0	35.1	51.4	51.9	52.4	58.8	58.1	68.8	104.9	38.3
HANK	12.4	12.8	15.4	15.6	17.5	20.5	26.9	28.0	41.1	39.7	38.5	50.9	51.5	53.3	61.7	64.2	66.3	89.7	39.2
HOLLIS	10.1	12.2	14.9	17.4	19.2	21.7	27.2	23.1	32.8	26.1	34.0	47.3	56.8	53.8	59.7	64.1	59.1	110.2	38.3
IDS93	9.6	11.4	13.0	15.1	13.9	20.4	24.1	23.6	27.6	37.5	34.9	49.6	43.2	45.7	50.6	53.3	66.4	76.3	34.2
JEFFERSON	10.8	14.1	14.0	17.4	17.4	18.5	21.4	26.2	31.3	35.9	36.7	49.1	58.1	51.6	59.6	61.6	64.6	102.4	38.4
JEROME	12.1	10.6	12.8	16.0	17.9	22.3	25.5	24.7	31.3	39.2	38.5	48.9	50.2	58.5	58.6	69.3	65.3	104.8	39.3
SCARLET	9.7	11.9	10.0	15.5	19.2	20.1	20.8	23.0	28.4	30.6	33.9	38.6	39.5	44.3	41.9	43.8	54.2	72.7	31.0
SX1504B	8.3	9.7	12.2	16.6	16.5	21.8	21.7	25.5	38.4	33.7	33.4	48.6	48.2	57.9	51.6	57.2	59.7	105.8	37.1
TARA 2002	10.0	11.9	11.7	15.4	17.5	21.9	25.7	23.5	47.9	35.2	35.5	52.5	45.9	51.2	62.9	61.2	64.1	95.2	38.3
WA7994	8.1	10.7	13.4	15.2	19.0	24.6	22.0	22.3	21.8	28.5	32.4	47.8	54.5	46.5	53.1	52.8	59.5	104.1	35.4
WA7995	10.0	10.9	12.0	17.3	19.5	19.9	22.6	21.4	25.2	31.4	37.6	48.3	52.6	45.6	53.4	47.9	55.8	102.6	35.3
WA7997	12.1	12.2	11.8	15.8	19.3	18.9	26.2	24.8	32.4	34.8	41.0	48.3	44.3	46.8	60.2	62.7	61.9	85.8	37.2
WA7998	10.6	11.2	13.2	16.1	13.3	19.3	21.0	25.3	31.6	33.7	40.4	46.4	47.1	56.9	53.2	60.5	63.8	94.2	37.2
WESTBRED 926	11.5	12.5	13.5	12.7	17.9	19.4	22.4	28.5	29.3	37.7	41.0	48.9	46.9	49.6	59.3	64.2	70.5	96.5	37.9
NURSERY MEAN	10.7	12.2	13.0	16.0	17.9	20.7	24.1	25.0	31.9	34.3	36.5	48.5	49.0	51.7	56.6	57.8	62.6	96.3	36.9
CV %	24.4	18.7	15.8	9.1	23.4	9.2	19.0	7.4	20.4	6.3	7.8	6.3	10.7	12.9	5.0	13.0	7.4	5.0	11.2
LSD @ .10	3.6	3.1	2.8	2.0	5.8	2.6	6.4	2.6	9.0	3.0	4.0	4.2	7.2	9.2	3.9	10.4	6.4	6.7	1.3

TABLE 45TW. 2005 HARD RED SPRING WHEAT VARIETY TRIAL SUMMARY

VARIETY	TEST WEIGHT (LBS/BU)														MEAN TEST WEIGHT (LBS/BU)				
	BICKLETON	RITZVILLE	HORSE HEAVEN	CONNELL	DUSTY	LIND DRY	ST. ANDREWS	DAYTON	WALLA WALLA	MAYVIEW	ALMIRA	REARDAN	LAMONT	ST. JOHN		PULLMAN	FAIRFIELD	FARMINGTON	MOSES LAKE
BZ989-339	56.5	57.6	57.9	56.2	51.5	58.3	57.3	50.3	54.5	54.2	55.1	53.7	59.8	59.4	55.0	59.8	50.2	59.7	55.8
BZ989-592	56.6	59.1	59.5	58.2	54.3	56.1	59.9	55.0	55.4	55.6	56.5	54.5	60.1	59.7	56.8	60.1	53.4	57.0	57.1
BUCK PRONTO	56.7	58.7	58.2	56.5	51.7	58.9	59.4	49.6	53.1	54.1	55.7	55.8	60.7	59.3	56.9	60.1	53.9	61.0	56.5
HANK	56.5	56.7	56.3	56.9	50.9	56.1	57.2	51.1	55.7	55.3	54.0	53.1	59.5	59.3	54.2	60.0	49.6	58.2	56.5
HOLLIS	56.3	57.0	58.8	56.7	52.4	57.1	57.6	51.6	54.8	53.8	54.3	53.8	61.0	58.7	56.4	59.6	53.9	62.2	56.3
ID593	52.7	55.3	58.4	56.1	48.8	59.1	57.3	47.1	51.6	54.1	53.0	53.9	59.3	58.3	53.7	59.7	52.9	56.4	54.8
JEFFERSON	56.9	58.5	58.7	57.0	52.2	56.5	59.4	52.5	54.8	55.1	55.2	55.2	60.6	60.1	56.2	60.0	53.5	56.4	56.7
JEROME	54.5	57.7	59.2	57.1	51.4	59.7	57.0	49.3	54.2	55.0	54.7	53.8	61.1	59.7	54.6	60.4	51.4	60.2	56.0
SCARLET	53.2	56.7	58.9	56.7	52.1	58.2	58.8	50.2	52.9	53.6	55.2	53.1	60.2	59.2	54.6	60.4	51.4	60.2	56.0
SX1504B	57.7	57.0	58.0	56.8	52.7	59.2	57.6	55.6	57.7	55.4	57.0	54.9	60.6	60.0	57.0	57.3	53.4	57.4	55.7
TARA 2002	56.2	55.8	56.7	55.0	51.4	57.8	56.6	48.6	56.8	56.1	54.7	56.0	59.8	59.7	56.7	60.1	52.7	60.5	57.3
WAT994	52.4	56.2	56.4	56.1	50.3	57.1	57.4	49.0	50.6	51.8	52.6	53.8	59.5	58.6	55.1	57.5	53.4	60.1	56.2
WAT995	53.6	56.8	57.3	55.3	50.1	57.4	55.9	49.3	51.5	52.6	53.9	53.7	60.0	58.3	56.0	58.6	51.8	60.1	54.9
WAT997	56.6	57.5	58.4	55.3	52.6	57.1	57.4	50.2	52.6	56.4	55.0	54.6	60.1	59.4	56.4	59.9	52.0	60.5	56.1
WAT998	55.9	55.3	57.3	55.1	50.1	57.1	56.9	49.6	52.0	54.8	54.3	54.2	59.6	58.5	55.0	59.4	51.7	59.6	55.3
WESTBRED 926	56.9	58.5	58.4	56.2	50.7	58.7	58.3	49.5	53.0	54.7	55.5	53.9	60.3	59.3	55.5	59.6	53.3	59.5	56.0
NURSERY MEAN	55.6	57.1	58.3	56.3	51.5	57.9	57.7	50.5	53.8	54.5	54.8	54.3	60.1	59.2	55.9	59.5	52.4	59.7	56.0
CV %	*	*	*	1.3	2.4	1.8	3.3	1.9	3.5	2.1	1.3	1.5	0.8	1.1	1.9	1.2	2.5	1.1	2.0
LSD @ .10	*	*	*	1.0	1.7	1.4	2.6	1.3	2.6	1.6	1.0	1.1	0.5	0.9	1.4	1.0	1.8	0.9	0.4

TABLE 45PR. 2005 HARD RED SPRING WHEAT VARIETY TRIAL SUMMARY

VARIETY	PROTEIN (%)																MEAN PROTEIN (%)		
	BICKLETON	RITZVILLE	HORSE HEAVEN	CONNELL	DUSTY	LIND DRY	ST. ANDREWS	DAYTON	WALLA WALLA	MAYVIEW	ALMIRA	REARDAN	LAMONT	ST. JOHN	PULLMAN	FAIRFIELD		FARMINGTON	MOSES LAKE
BZ999-339	18.3	10.1	15.1	17.7	17.2	16.8	16.1	16.9	15.3	15.6	15.9	16.5	16.0	15.2	16.0	13.4	16.7	14.4	15.9
BZ999-592	18.9	10.8	14.4	16.8	17.3	16.4	15.5	15.9	14.6	15.0	15.6	16.7	14.6	14.3	13.2	16.4	16.4	14.1	15.4
BUCK PRONTO	18.3	12.1	15.5	17.9	18.7	16.6	16.1	17.4	16.2	17.2	16.6	17.0	17.2	16.4	16.6	14.9	16.7	15.6	16.7
HANK	17.8	9.9	13.5	18.0	17.4	16.3	16.0	16.0	14.7	14.5	15.5	16.2	14.9	14.7	15.6	11.6	16.6	14.6	15.4
HOLLIS	18.9	12.3	14.7	16.9	18.2	16.9	15.7	17.6	15.7	17.0	17.4	17.5	15.0	16.0	17.0	13.7	16.6	14.8	16.3
ID593	18.2	10.5	13.4	15.9	16.9	15.2	15.2	16.0	14.6	14.7	15.1	15.1	14.2	14.0	15.0	11.2	15.4	13.0	14.7
JEFFERSON	18.1	10.7	13.8	17.2	17.9	16.6	14.4	16.9	15.1	15.8	16.2	16.3	15.0	15.1	16.0	11.9	16.1	13.1	15.5
JEROME	17.5	8.8	14.2	16.8	17.1	16.1	15.6	15.7	14.4	14.3	15.2	15.4	15.3	14.3	15.1	11.2	15.5	13.1	14.9
SCARLET	17.3	11.1	14.3	16.3	17.0	16.0	14.4	16.1	15.0	15.5	14.9	15.7	13.8	14.3	14.3	12.2	16.6	13.5	15.0
SX1504B	18.0	11.8	15.0	17.3	18.1	16.4	16.7	15.8	14.2	15.3	15.3	16.0	14.1	14.1	15.8	12.5	15.8	13.6	15.4
TARA 2002	18.5	11.4	14.6	17.6	17.2	16.3	15.7	16.7	14.4	14.8	15.6	15.8	16.5	14.6	15.5	12.7	16.3	14.3	15.6
WA7994	18.0	12.8	14.8	17.7	17.7	16.4	16.9	17.1	15.9	17.0	16.8	16.4	16.2	15.2	15.9	14.2	16.0	14.6	16.2
WA7995	17.5	12.2	15.1	17.8	17.4	16.9	17.1	16.8	15.6	16.7	15.6	16.2	16.0	15.2	15.5	13.3	17.1	14.1	16.0
WA7997	17.7	11.0	15.2	17.5	17.5	16.6	15.8	16.8	15.4	15.1	14.9	16.1	16.0	14.3	15.8	12.2	16.8	14.0	15.6
WA7998	17.9	11.8	15.3	17.8	17.4	16.7	16.5	16.0	14.9	15.7	15.2	16.2	16.1	15.0	15.5	12.0	16.3	13.8	15.6
WESTBRED 926	18.4	10.7	14.5	17.7	18.3	16.5	16.6	17.1	16.0	15.7	16.1	16.3	16.6	15.1	16.5	13.0	15.9	14.8	16.0
NURSERY MEAN	18.1	11.1	14.6	17.3	17.6	16.4	15.9	16.6	15.1	15.6	15.7	16.2	15.5	14.9	15.8	12.7	16.3	14.1	15.6
CV %	*	*	*	1.3	3.7	2.2	4.8	4.1	4.7	4.7	4.4	2.1	4.7	4.1	2.9	5.7	3.5	1.3	3.8
LSD @ .10	*	*	*	0.3	0.9	0.5	1.1	0.9	1.0	1.0	1.0	0.5	1.0	0.9	0.6	1.0	0.8	0.2	0.2

TABLE WA4562. 2005 WSU EXTENSION HARD RED SPRING WHEAT NURSERY AT ALMIRA, WA.

VARIETY NAME	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2005				
				YIELD (BU/A)	TEST WT. (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE
HANK	45.3 ( 1)	41.5 ( 1)	39.0 ( 2)	38.5 ( 4)	54.0	15.5	30	24-Jun
JEFFERSON	45.1 ( 2)	40.8 ( 3)	37.9 ( 3)	36.7 ( 7)	55.3	16.2	32	24-Jun
SCARLET	44.2 ( 3)	40.0 ( 5)	36.2 ( 8)	33.9 (14)	55.2	14.9	34	24-Jun
WESTBRED 926	44.1 ( 4)	41.1 ( 2)	39.3 ( 1)	41.0 ( 2)	55.5	16.1	29	22-Jun
TARA 2002	43.9 ( 5)	39.9 ( 6)	37.4 ( 6)	35.5 ( 9)	54.7	15.6	32	24-Jun
HOLLIS	41.2 ( 6)	38.0 ( 7)	35.0 ( 9)	34.0 (13)	54.3	17.4	40	23-Jun
JEROME	---	40.8 ( 4)	37.4 ( 5)	38.5 ( 5)	54.7	15.2	29	23-Jun
ID593	---	---	37.7 ( 4)	34.9 (12)	53.0	15.1	29	24-Jun
BUCK PRONTO	---	---	36.9 ( 7)	35.1 (11)	55.7	16.6	31	22-Jun
WA7997	---	---	---	41.0 ( 2)	55.0	14.9	32	23-Jun
WA7998	---	---	---	40.4 ( 3)	54.3	15.2	33	23-Jun
WA7995	---	---	---	37.6 ( 6)	53.9	15.6	33	24-Jun
BZ999-339	---	---	---	35.8 ( 8)	55.1	15.9	30	23-Jun
BZ999-592	---	---	---	35.2 (10)	56.5	15.6	31	25-Jun
SX1504B	---	---	---	33.4 (15)	57.0	15.3	28	25-Jun
WA7994	---	---	---	32.4 (16)	52.6	16.8	32	25-Jun
NURSERY MEAN	44.0	40.3	37.4	36.5	54.8	15.7	32	23-Jun
CV %	8.4	7.1	6.8	7.8	1.3	4.4	---	---
LSD @ .10	2.3	2.3	2.5	4.0	1.0	1.0	---	---

Planted: 14 Apr 05

Harvested: 16 Aug 05

TABLE WA4537. 2005 WSU EXTENSION HARD RED SPRING WHEAT NURSERY AT BICKLETON, WA.

VARIETY NAME	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2005			PLANT HT
				YIELD (BU/A)	TEST WT. (LBS/BU)	PROTEIN (%)	
HANK	---	26.4 (1)	24.2 (2)	12.4 (2)	56.5	17.8	19
JEROME	---	25.5 (2)	24.7 (1)	12.1 (4)	54.5	17.5	20
JEFFERSON	---	25.3 (3)	23.8 (3)	10.8 (7)	56.9	18.1	18
WESTBRED 926	---	24.5 (4)	22.7 (4)	11.5 (6)	56.9	18.4	18
TARA 2002	---	24.3 (5)	22.4 (5)	10.0 (11)	56.2	18.5	20
SCARLET	---	24.1 (6)	21.7 (7)	9.7 (13)	53.2	17.3	19
HOLLIS	---	23.0 (7)	21.4 (8)	10.1 (10)	56.3	18.9	20
BUCK PRONTO	---	---	21.7 (6)	11.7 (5)	56.7	18.3	18
ID593	---	---	19.2 (9)	9.6 (14)	52.7	18.2	17
BZ999-339	---	---	---	12.8 (1)	56.5	18.3	18
WA7997	---	---	---	12.1 (3)	56.6	17.7	20
WA7998	---	---	---	10.6 (8)	55.9	17.9	19
BZ999-592	---	---	---	10.5 (9)	56.6	18.9	18
WA7995	---	---	---	10.0 (12)	53.6	17.5	19
SX1504B	---	---	---	8.3 (15)	57.7	18.0	17
WA7994	---	---	---	8.1 (16)	52.4	18.0	19
NURSERY MEAN	---	24.7	22.5	10.7	55.6	18.1	19
CV %	---	10.9	11.4	24.4	---	---	---
LSD @ .10	---	2.1	2.5	3.6	---	---	---

Planted: 19 Apr 05

Harvested: 10 Aug 05

TABLE WA4547. 2005 WSU EXTENSION HARD RED SPRING WHEAT NURSERY AT CONNELL, WA.

VARIETY NAME	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2005						
				YIELD (BU/A)	TEST WT. (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE	STRIPE RUST %	STRIPE RUST IT
SCARLET	---	24.7 ( 1)	24.9 ( 1)	15.5 (10)	56.7	16.3	23	28-May	60	8
JEFFERSON	---	24.0 ( 2)	24.1 ( 2)	17.4 ( 3)	57.0	17.2	21	27-May	20	3
HOLLIS	---	23.5 ( 3)	23.7 ( 4)	17.4 ( 2)	56.7	16.9	25	26-May	5	2
JEROME	---	22.5 ( 4)	21.8 ( 6)	16.0 ( 7)	57.1	16.8	21	22-May	20	2
HANK	---	22.4 ( 5)	22.1 ( 5)	15.6 ( 9)	56.9	18.0	22	24-May	10	5
TARA 2002	---	21.6 ( 6)	21.4 ( 8)	15.4 (11)	55.0	17.6	23	22-May	2	2
WESTBRED 926	---	19.6 ( 7)	19.0 ( 9)	12.7 (16)	56.2	17.7	22	23-May	2	2
ID593	---	---	23.8 ( 3)	15.1 (15)	56.1	15.9	22	24-May	40	5
BUCK PRONTO	---	---	21.6 ( 7)	15.2 (12)	56.5	17.9	22	23-May	20	2
BZ999-592	---	---	---	19.4 ( 1)	58.2	16.8	22	28-May	30	3
WA7995	---	---	---	17.3 ( 4)	55.3	17.8	23	27-May	40	5
SX1504B	---	---	---	16.6 ( 5)	56.8	17.3	22	27-May	2	2
WA7998	---	---	---	16.1 ( 6)	55.1	17.8	22	23-May	2	2
WA7997	---	---	---	15.8 ( 8)	55.3	17.5	24	23-May	10	2
WA7994	---	---	---	15.2 (13)	56.1	17.7	23	29-May	50	6
BZ999-339	---	---	---	15.1 (14)	56.2	17.7	22	24-May	5	2
NURSERY MEAN	---	22.6	22.5	16.0	56.3	17.3	22	25-May	20	3
CV %	---	9.4	9.9	9.1	1.3	1.3	---	---	---	---
LSD @ .10	---	1.7	2.2	2.0	1.0	0.3	---	---	---	---

Planted: 8 Mar 05

Harvested: 20 Jul 05

TABLE WA4516. 2005 WSU EXTENSION HARD RED SPRING WHEAT NURSERY AT DAYTON, WA.

VARIETY NAME	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	YIELD (BU/A)	TEST WT. (LBS/BU)	2005 PROTEIN (%)	PLANT HT	HEAD DATE
HANK	57.8 (1)	59.0 (1)	66.7 (1)	28.0 (3)	51.1	16.0	29	12-Jun
WESTBRED 926	54.4 (2)	53.4 (2)	59.7 (2)	28.5 (2)	49.5	17.1	30	9-Jun
JEFFERSON	54.3 (3)	53.4 (3)	58.6 (4)	26.2 (4)	52.5	16.9	31	12-Jun
TARA 2002	52.7 (4)	52.1 (6)	57.0 (5)	23.5 (12)	48.6	16.7	33	9-Jun
SCARLET	52.6 (5)	53.1 (4)	55.8 (8)	23.0 (14)	50.2	16.1	33	12-Jun
HOLLIS	51.5 (6)	52.2 (5)	56.9 (7)	23.1 (13)	51.6	17.6	35	12-Jun
JEROME	---	51.5 (7)	55.3 (9)	24.7 (9)	49.3	15.7	30	9-Jun
ID593	---	---	58.7 (3)	23.6 (11)	47.1	16.0	28	10-Jun
BUCK PRONTO	---	---	56.9 (6)	24.4 (10)	49.6	17.4	32	9-Jun
BZ999-592	---	---	---	30.1 (1)	55.0	15.9	33	15-Jun
SX1504B	---	---	---	25.5 (5)	55.6	15.8	28	13-Jun
WA7998	---	---	---	25.3 (6)	49.6	16.0	31	10-Jun
BZ999-339	---	---	---	25.0 (7)	50.3	16.9	30	11-Jun
WA7997	---	---	---	24.8 (8)	50.2	16.8	32	10-Jun
WA7994	---	---	---	22.3 (15)	49.0	17.1	31	14-Jun
WA7995	---	---	---	21.4 (16)	49.3	16.8	32	12-Jun
NURSERY MEAN	53.9	53.5	58.4	25.0	50.5	16.6	31	11-Jun
CV %	5.7	7.1	7.4	7.4	1.9	4.1	---	---
LSD @ .10	1.9	3	4.2	2.6	1.3	0.9	---	---

Planted: 9 Mar 05

Harvested: 27 Jul 05

TABLE WA4527. 2005 WSU EXTENSION HARD RED SPRING WHEAT NURSERY AT DUSTY, WA.

VARIETY NAME	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2005						
				YIELD (BU/A)	TEST WT. (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE	STRIPE RUST %	STRIPE RUST IT
TARA 2002	43.2 (1)	42.6 (2)	37.5 (2)	17.5 (10)	51.4	17.2	30	6-Jun	2	2
SCARLET	43.0 (2)	39.9 (3)	35.6 (5)	19.2 (6)	52.1	17.0	32	9-Jun	30	8
HANK	42.1 (3)	43.7 (1)	39.3 (1)	17.5 (11)	50.9	17.4	26	6-Jun	5	8
JEFFERSON	40.8 (4)	39.6 (4)	36.6 (4)	17.4 (12)	52.2	17.9	26	8-Jun	5	2
HOLLIS	39.6 (5)	37.1 (7)	32.1 (8)	19.2 (5)	52.4	18.2	36	8-Jun	2	2
WESTBRED 926	37.1 (6)	38.7 (5)	32.3 (7)	17.9 (8)	50.7	18.3	24	6-Jun	5	3
JEROME	---	37.8 (6)	33.1 (6)	17.9 (9)	51.4	17.1	26	6-Jun	0	0
BUCK PRONTO	---	---	37.3 (3)	21.0 (1)	51.7	18.7	27	5-Jun	2	2
ID593	---	---	31.1 (9)	13.9 (15)	48.8	16.9	24	5-Jun	10	4
BZ999-339	---	---	---	20.3 (2)	51.5	17.2	26	6-Jun	10	5
WA7995	---	---	---	19.5 (3)	50.1	17.4	28	9-Jun	15	4
WA7997	---	---	---	19.3 (4)	52.6	17.5	28	7-Jun	5	2
WA7994	---	---	---	19.0 (7)	50.3	17.7	29	9-Jun	10	3
BZ999-592	---	---	---	17.0 (13)	54.3	17.3	26	9-Jun	15	4
SX1504B	---	---	---	16.5 (14)	52.7	18.1	24	10-Jun	15	7
WA7998	---	---	---	13.3 (16)	50.1	17.4	26	6-Jun	5	3
NURSERY MEAN	41	39.9	35	17.9	51.5	17.6	27	7-Jun	9	4
CV %	19.9	12.7	15.5	23.4	2.4	3.7	---	---	---	---
LSD @ .10	5	4	5.3	5.8	1.7	0.9	---	---	---	---

Planted: 16 Mar 05

Harvested: 2 Aug 05

TABLE WA4533. 2005 WSU EXTENSION HARD RED SPRING WHEAT NURSERY AT FAIRFIELD, WA.

VARIETY NAME	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2005					
				YIELD (BU/A)	TEST WT. (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE	HESSIAN FLY %
HANK	74.6 (1)	63.6 (2)	76.4 (2)	64.2 (2)	60.0	11.6	33	23-Jun	3
WESTBRED 926	73.7 (2)	66.8 (1)	77.1 (1)	64.2 (3)	59.6	13.0	32	22-Jun	0
JEFFERSON	72.6 (3)	62.3 (5)	72.7 (4)	61.6 (6)	60.0	11.9	34	24-Jun	7
TARA 2002	71.8 (4)	62.9 (4)	72.1 (5)	61.2 (7)	60.1	12.7	37	22-Jun	7
SCARLET	69.7 (5)	56.1 (7)	59.9 (9)	43.8 (15)	57.3	12.2	35	24-Jun	33
HOLLIS	69.0 (6)	59.6 (6)	68.7 (7)	64.1 (4)	59.6	13.7	44	24-Jun	0
JEROME	---	63.5 (3)	73.6 (3)	69.3 (1)	60.4	11.2	34	22-Jun	0
BUCK PRONTO	---	---	69.6 (6)	58.1 (9)	60.1	14.9	32	22-Jun	23
ID593	---	---	67.9 (8)	53.3 (12)	59.7	11.2	32	22-Jun	33
WA7997	---	---	---	62.7 (5)	59.9	12.2	36	23-Jun	7
WA7998	---	---	---	60.5 (8)	59.4	12.0	35	23-Jun	7
BZ999-339	---	---	---	58.1 (10)	59.8	13.4	33	22-Jun	17
SX1504B	---	---	---	57.2 (11)	59.7	12.5	32	24-Jun	38
WA7994	---	---	---	52.8 (13)	57.5	14.2	35	25-Jun	30
WA7995	---	---	---	47.9 (14)	58.6	13.3	35	24-Jun	40
BZ999-592	---	---	---	42.4 (16)	60.6	13.2	34	24-Jun	33
NURSERY MEAN	71.9	62.1	70.9	57.6	59.5	12.7	35	23-Jun	17
CV %	8.3	9.5	10.1	13.0	1.2	5.7	---	---	---
LSD @ .10	3.7	4.7	7.0	10.4	1.0	1.0	---	---	---

Planted: 15 Apr 05

Harvested: 24 Aug 05

TABLE WA4539. 2005 WSU EXTENSION HARD RED SPRING WHEAT NURSERY AT FARMINGTON, WA.

VARIETY NAME	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	YIELD (BU/A)	TEST WT. (LBS/BU)	2005 PROTEIN (%)	PLANT HT	HESSIAN FLY %
HANK	83.1 (1)	89.6 (1)	102.6 (2)	66.3 (4)	49.6	16.6	29	3
JEFFERSON	82.4 (2)	85.4 (2)	98.2 (3)	64.6 (7)	53.5	16.1	31	3
SCARLET	80.5 (3)	83.0 (5)	93.8 (7)	54.2 (16)	51.4	16.6	32	30
TARA 2002	79.7 (4)	81.3 (6)	91.6 (8)	64.1 (8)	52.7	16.3	34	7
WESTBRED 926	78.9 (5)	83.9 (3)	94.6 (6)	70.5 (1)	53.3	15.9	28	3
HOLLIS	75.6 (6)	75.1 (7)	83.5 (9)	59.1 (13)	53.9	16.6	42	3
JEROME	---	83.3 (4)	94.6 (5)	65.3 (5)	51.4	15.5	29	7
ID593	---	---	103.2 (1)	66.4 (3)	52.9	15.4	28	20
BUCK PRONTO	---	---	97.9 (4)	68.8 (2)	53.9	16.7	30	10
BZ999-339	---	---	---	65.0 (6)	50.2	16.7	31	3
WA7998	---	---	---	63.8 (9)	51.7	16.3	31	0
WA7997	---	---	---	61.9 (10)	52.0	16.8	32	3
SX1504B	---	---	---	59.7 (11)	53.4	15.8	28	43
WA7994	---	---	---	59.5 (12)	53.4	16.0	33	27
BZ999-592	---	---	---	57.2 (14)	53.4	16.4	33	30
WA7995	---	---	---	55.8 (15)	51.8	17.1	32	23
NURSERY MEAN	80.0	83.1	95.5	62.6	52.4	16.3	31	13
CV %	6.0	6.5	6.3	7.4	2.5	3.5	---	---
LSD @ .10	2.9	4.3	5.9	6.4	1.8	0.8	---	---

Planted: 21 Apr 05

Harvested: 24 Aug 05

TABLE WA4520. 2005 WSU EXTENSION HARD RED SPRING WHEAT NURSERY AT HORSE HEAVEN, WA.

VARIETY NAME	5 YEAR	3 YEAR	2 YEAR	2005				
	AVERAGE (BU/A)	AVERAGE (BU/A)	AVERAGE (BU/A)	YIELD (BU/A)	TEST WT. (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE
HOLLIS	24.0 (1)	28.4 (1)	29.4 (2)	14.9 (3)	58.8	14.7	22	28-May
SCARLET	23.6 (2)	26.8 (3)	26.6 (5)	10.0 (16)	58.9	14.3	20	30-May
JEFFERSON	23.1 (3)	26.4 (5)	26.0 (7)	14.0 (4)	58.7	13.8	19	29-May
HANK	22.5 (4)	28.3 (2)	29.3 (3)	15.4 (2)	58.3	13.5	20	29-May
TARA 2002	21.4 (5)	25.9 (6)	26.1 (6)	11.7 (15)	58.7	14.6	20	28-May
WESTBRED 926	20.9 (6)	24.8 (7)	24.9 (9)	13.5 (5)	58.4	14.5	19	28-May
JEROME	---	26.5 (4)	26.9 (4)	12.8 (9)	59.2	14.2	19	28-May
ID593	---	---	30.0 (1)	13.0 (8)	58.4	13.4	18	29-May
BUCK PRONTO	---	---	25.1 (8)	12.2 (11)	58.2	15.5	20	28-May
BZ999-592	---	---	---	15.5 (1)	59.5	14.4	22	2-Jun
WA7994	---	---	---	13.4 (6)	56.4	14.8	22	1-Jun
WA7998	---	---	---	13.2 (7)	57.3	15.3	20	28-May
BZ999-339	---	---	---	12.3 (10)	57.9	15.1	19	28-May
SX1504B	---	---	---	12.2 (12)	58.0	15.0	19	1-Jun
WA7995	---	---	---	12.0 (13)	57.3	15.1	19	31-May
WA7997	---	---	---	11.8 (14)	58.4	15.2	20	28-May
NURSERY MEAN	22.6	26.7	27.1	13.0	58.3	14.6	20	29-May
CV %	7.8	8.1	9.8	15.8	---	---	---	---
LSD @ .10	1.1	1.7	2.6	2.8	---	---	---	---

Planted: 17 Mar 05

Harvested: 18 Jul 05

TABLE WA4519. 2005 WSU EXTENSION HARD RED SPRING WHEAT NURSERY AT LAMONT, WA.

VARIETY NAME	5 YEAR	3 YEAR	2 YEAR	2005				
	AVERAGE (BU/A)	AVERAGE (BU/A)	AVERAGE (BU/A)	YIELD (BU/A)	TEST WT. (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE
JEFFERSON	38.9 (1)	40.7 (1)	43.4 (1)	58.1 (1)	60.6	15.0	33	10-Jun
HOLLIS	36.0 (2)	39.0 (2)	42.7 (2)	56.8 (2)	61.0	15.0	41	9-Jun
SCARLET	34.0 (3)	34.5 (5)	33.5 (9)	39.5 (15)	60.2	13.8	32	9-Jun
HANK	32.7 (4)	35.6 (4)	36.7 (4)	51.5 (7)	59.5	14.9	30	9-Jun
TARA 2002	31.9 (5)	33.4 (6)	35.2 (7)	45.9 (12)	59.8	16.5	35	9-Jun
WESTBRED 926	31.8 (6)	32.3 (7)	34.5 (8)	46.9 (11)	60.3	16.6	31	9-Jun
JEROME	---	36.1 (3)	37.1 (3)	50.2 (8)	61.1	15.3	31	9-Jun
BUCK PRONTO	---	---	35.9 (5)	51.9 (6)	60.7	17.2	33	10-Jun
ID593	---	---	35.2 (6)	43.2 (14)	59.3	14.2	29	9-Jun
WA7994	---	---	---	54.5 (3)	59.5	16.2	33	10-Jun
BZ999-339	---	---	---	53.3 (4)	59.8	16.0	33	9-Jun
WA7995	---	---	---	52.6 (5)	60.0	16.0	34	11-Jun
SX1504B	---	---	---	49.2 (9)	60.6	14.1	29	8-Jun
WA7998	---	---	---	47.1 (10)	59.6	16.1	34	10-Jun
WA7997	---	---	---	44.3 (13)	60.1	16.0	34	10-Jun
BZ999-592	---	---	---	39.0 (16)	60.1	14.6	32	9-Jun
NURSERY MEAN	34.2	35.9	37.1	49.0	60.1	15.5	33	9-Jun
CV %	11.5	12.8	13.6	10.7	0.6	4.7	---	---
LSD @ .10	2.4	3.7	4.9	7.2	0.5	1.0	---	---

Planted: 21 Mar 05  
Harvested: 8 Aug 05

TABLE WA4505. 2005 WSU EXTENSION HARD RED SPRING WHEAT NURSERY AT LIND, WA.

VARIETY NAME	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	YIELD (BU/A)	TEST WT. (LBS/BU)	2005 PROTEIN (%)	PLANT HT	HEAD DATE
SCARLET	28.3 ( 1)	31.1 ( 1)	30.6 ( 1)	20.1 (10)	58.2	16.0	25	1-Jun
JEFFERSON	26.1 ( 2)	28.3 ( 4)	27.3 ( 5)	18.5 (16)	56.5	16.6	22	29-May
HOLLIS	25.8 ( 3)	28.2 ( 5)	27.2 ( 6)	21.7 ( 6)	57.1	16.9	27	30-May
HANK	25.1 ( 4)	28.7 ( 3)	27.7 ( 4)	20.5 ( 7)	56.1	16.3	20	28-May
TARA 2002	23.8 ( 5)	26.5 ( 6)	26.9 ( 7)	21.9 ( 4)	57.8	16.3	22	27-May
WESTBRED 926	21.8 ( 6)	25.4 ( 7)	24.5 ( 9)	19.4 (12)	58.7	16.5	20	27-May
JEROME	---	30.6 ( 2)	29.8 ( 2)	22.3 ( 3)	59.7	16.1	22	28-May
ID593	---	---	29.1 ( 3)	20.4 ( 8)	59.1	15.2	21	28-May
BUCK PRONTO	---	---	25.9 ( 8)	19.4 (13)	58.9	16.6	21	27-May
WA7994	---	---	---	24.6 ( 1)	57.1	16.4	24	31-May
BZ999-592	---	---	---	22.8 ( 2)	58.1	16.4	24	31-May
SX1504B	---	---	---	21.8 ( 5)	59.2	16.4	23	1-Jun
BZ999-339	---	---	---	20.4 ( 9)	58.3	16.8	20	30-May
WA7995	---	---	---	19.9 (11)	57.4	16.9	24	31-May
WA7998	---	---	---	19.3 (14)	57.1	16.7	23	28-May
WA7997	---	---	---	18.9 (15)	57.1	16.6	23	28-May
NURSERY MEAN	25.2	28.4	27.7	20.7	57.9	16.4	23	29-May
CV %	6.5	5.6	6.8	9.2	1.8	2.2	---	---
LSD @ .10	1	1.3	1.8	2.6	1.4	0.5	---	---

Planted: 11 Mar 05

Harvested: 20 Jul 05

TABLE WA4546. 2005 WSU EXTENSION HARD RED SPRING WHEAT NURSERY AT MAYVIEW, WA. (GARFIELD COUNTY)

VARIETY NAME	5 YEAR	3 YEAR	2 YEAR	2005				
	AVERAGE (BU/A)	AVERAGE (BU/A)	AVERAGE (BU/A)	YIELD (BU/A)	TEST WT. (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE
HANK	49.0 ( 1)	44.7 ( 2)	47.2 ( 1)	39.7 ( 1)	55.3	14.5	28	26-Jun
JEFFERSON	48.8 ( 2)	44.5 ( 3)	45.7 ( 3)	35.9 ( 6)	55.1	15.8	29	28-Jun
SCARLET	47.8 ( 3)	44.8 ( 1)	43.0 ( 8)	30.6 (14)	53.6	15.5	29	27-Jun
WESTBRED 926	46.3 ( 4)	43.5 ( 6)	46.3 ( 2)	37.7 ( 3)	54.7	15.7	28	24-Jun
TARA 2002	44.5 ( 5)	43.6 ( 5)	45.3 ( 4)	35.2 ( 7)	56.1	14.8	31	24-Jun
HOLLIS	39.6 ( 6)	36.9 ( 7)	36.3 ( 9)	26.1 (16)	53.8	17.0	36	27-Jun
JEROME	---	44.4 ( 4)	45.3 ( 5)	39.2 ( 2)	55.0	14.3	29	26-Jun
BUCK PRONTO	---	---	44.1 ( 6)	34.0 (10)	54.1	17.2	30	25-Jun
ID593	---	---	43.5 ( 7)	37.5 ( 4)	54.1	14.7	27	26-Jun
BZ999-339	---	---	---	36.9 ( 5)	54.2	15.6	29	25-Jun
WA7997	---	---	---	34.8 ( 8)	56.4	15.1	30	25-Jun
BZ999-592	---	---	---	34.4 ( 9)	55.6	15.0	30	29-Jun
WA7998	---	---	---	33.7 (11)	54.8	15.7	29	25-Jun
SX1504B	---	---	---	33.7 (12)	55.4	15.3	28	29-Jun
WA7995	---	---	---	31.4 (13)	52.6	16.7	29	27-Jun
WA7994	---	---	---	28.5 (15)	51.8	17.0	30	30-Jun
NURSERY MEAN	46	43.2	44.1	34.3	54.5	15.6	29.5	26-Jun
CV %	5.8	6.3	5.4	6.3	2.1	4.7	---	---
LSD @ .10	1.6	2.2	2.3	3.0	1.6	1.0	---	---

Planted: 26 Apr 05

Harvested: 23 Aug 05

TABLE WA4561. 2005 WSU EXTENSION HARD RED SPRING WHEAT NURSERY AT MOSES LAKE, WA. (IRRIGATED)

VARIETY NAME	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2005						
				YIELD (BU/A)	TEST WT. (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE	STRIPE RUST %	STRIPE RUST TP
BUCK PRONTO	---	---	111.1 ( 1)	104.9 ( 5)	61.0	15.6	35	27-May	5	2
JEROME	---	---	109.0 ( 2)	104.8 ( 6)	60.2	13.1	34	30-May	2	2
HOLLIS	---	---	103.7 ( 3)	110.2 ( 1)	62.2	14.8	44	1-Jun	0	0
SOLANO	---	---	103.2 ( 4)	94.7 (15)	60.5	14.3	27	29-May	20	6
JEFFERSON	---	---	100.9 ( 5)	102.4 ( 9)	60.5	13.1	36	31-May	5	3
WESTBRED 926	---	---	100.3 ( 6)	96.5 (12)	59.5	14.8	33	29-May	5	8
TARA 2002	---	---	99.4 ( 7)	95.2 (14)	60.5	14.3	36	29-May	2	2
HANK	---	---	98.5 ( 8)	89.7 (18)	58.2	14.6	33	30-May	15	5
ID593	---	---	94.8 ( 9)	76.3 (23)	56.4	13.0	31	30-May	10	8
EXPRESS	---	---	94.8 (10)	89.0 (19)	57.4	14.0	29	31-May	15	3
SCARLET	---	---	64.2 (11)	72.7 (24)	57.4	13.5	37	2-Jun	30	8
95WV10616	---	---	---	107.6 ( 2)	61.2	13.4	28	29-May	2	2
ML118-6R2	---	---	---	106.8 ( 3)	58.7	11.6	37	3-Jun	2	2
SX1504B	---	---	---	106.8 ( 4)	61.8	13.6	33	2-Jun	2	2
WA7994	---	---	---	104.1 ( 7)	60.1	14.6	38	3-Jun	10	2
WA7995	---	---	---	102.6 ( 8)	61.2	14.1	37	1-Jun	10	3
96WV52303	---	---	---	101.9 (10)	60.1	13.0	27	28-May	2	2
BZ999-339	---	---	---	99.4 (11)	59.7	14.4	35	30-May	5	3
WA7997	---	---	---	95.8 (13)	60.5	14.0	37	30-May	5	3
WA7998	---	---	---	94.2 (16)	59.6	13.8	36	30-May	2	2
SDM50034	---	---	---	91.7 (17)	59.0	13.5	34	2-Jun	5	8
SDM50034-1	---	---	---	88.1 (20)	59.0	9.1	33	3-Jun	2	2
BZ999-592	---	---	---	84.5 (21)	57.0	14.1	38	3-Jun	5	5
YU999-178	---	---	---	83.7 (22)	57.6	13.9	27	27-May	30	6
NURSERY MEAN	---	---	98.2	96.0	59.6	13.7	34	30-May	8	4
CV %	---	---	8.6	5.8	1.1	11.8	---	---	---	---
LSD @ .10	---	---	8.2	7.6	0.9	2.2	---	---	---	---

Planted: 10 Mar 05

Harvested: 11 Aug 05

TABLE WA4501. 2005 WSU EXTENSION HARD RED SPRING WHEAT NURSERY AT PULLMAN, WA.

VARIETY NAME	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2005						
				YIELD (BU/A)	TEST WT. (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE	STRIPE RUST %	STRIPE RUST TP
HANK	81.2 ( 1)	79.4 ( 1)	83.6 ( 1)	61.7 ( 3)	54.2	15.6	33	22-Jun	25	5
TARA 2002	79.3 ( 2)	77.7 ( 2)	83.4 ( 2)	62.9 ( 2)	56.7	15.5	36	20-Jun	10	2
JEFFERSON	78.1 ( 3)	75.9 ( 4)	79.7 ( 4)	59.6 ( 7)	56.2	16.0	35	25-Jun	2	2
WESTBRED 926	74.4 ( 4)	72.8 ( 5)	78.6 ( 6)	59.3 ( 8)	55.5	16.5	32	22-Jun	15	4
HOLLIS	73.0 ( 5)	72.4 ( 6)	78.2 ( 7)	59.7 ( 6)	56.4	17.0	42	22-Jun	5	2
SCARLET	71.1 ( 6)	66.4 ( 7)	65.8 ( 9)	41.9 (16)	58.2	14.3	33	24-Jun	80	9
JEROME	---	77.4 ( 3)	81.1 ( 3)	58.6 (10)	54.6	15.1	33	23-Jun	10	3
BUCK PRONTO	---	---	79.0 ( 5)	58.8 ( 9)	56.9	16.6	34	21-Jun	15	8
ID593	---	---	75.1 ( 8)	50.6 (15)	53.7	15.0	32	23-Jun	50	8
WA7998	---	---	---	63.2 ( 1)	55.0	15.5	35	23-Jun	2	2
WA7997	---	---	---	60.2 ( 4)	56.4	15.8	33	22-Jun	5	2
BZ999-339	---	---	---	59.9 ( 5)	55.0	16.0	35	23-Jun	15	4
WA7995	---	---	---	53.4 (11)	56.0	15.5	35	24-Jun	30	7
WA7994	---	---	---	53.1 (12)	55.1	15.9	34	25-Jun	30	7
SX1504B	---	---	---	51.6 (13)	57.0	15.8	29	26-Jun	15	5
BZ999-592	---	---	---	51.1 (14)	56.8	15.9	35	26-Jun	20	6
NURSERY MEAN	76.2	74.6	78.3	56.6	55.9	15.8	34	23-Jun	21	5
CV %	5.2	4.8	4.1	5.0	1.9	2.9	---	---	---	---
LSD @ .10	2.4	2.9	3.1	3.9	1.4	0.6	---	---	---	---

Planted: 20 Apr 05

Harvested: 12 Aug 05

TABLE WA4531. 2005 WSU EXTENSION HARD RED SPRING WHEAT NURSERY AT REARDAN, WA.

VARIETY NAME	5 YEAR	3 YEAR	2 YEAR	2005				
	AVERAGE (BU/A)	AVERAGE (BU/A)	AVERAGE (BU/A)	YIELD (BU/A)	TEST WT. (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE
HANK	59.0 ( 1)	56.5 ( 1)	58.4 ( 1)	50.9 ( 3)	53.1	16.2	32	24-Jun
JEFFERSON	57.5 ( 2)	54.8 ( 3)	56.4 ( 6)	49.1 ( 8)	55.2	16.3	33	24-Jun
WESTBRED 926	56.2 ( 3)	54.0 ( 5)	56.7 ( 5)	48.9 (10)	53.9	16.3	32	24-Jun
TARA 2002	56.0 ( 4)	54.4 ( 4)	57.5 ( 3)	52.5 ( 1)	56.0	15.8	37	22-Jun
SCARLET	53.1 ( 5)	49.9 ( 6)	48.8 ( 9)	38.6 (16)	53.1	15.7	34	24-Jun
HOLLIS	50.4 ( 6)	48.8 ( 7)	50.0 ( 8)	47.3 (14)	53.8	17.5	43	24-Jun
JEROME	---	55.1 ( 2)	55.9 ( 7)	48.9 ( 9)	53.8	15.4	34	23-Jun
BUCK PRONTO	---	---	57.9 ( 2)	51.4 ( 2)	55.8	17.0	35	24-Jun
ID593	---	---	57.4 ( 4)	49.6 ( 4)	53.9	15.1	33	23-Jun
WA7995	---	---	---	49.3 ( 5)	53.7	16.2	34	24-Jun
WA7997	---	---	---	49.3 ( 6)	54.6	16.1	37	23-Jun
BZ999-339	---	---	---	49.3 ( 7)	53.7	16.5	34	24-Jun
SX1504B	---	---	---	48.6 (11)	54.9	16.0	31	25-Jun
WA7998	---	---	---	48.4 (12)	54.2	16.2	36	23-Jun
WA7994	---	---	---	47.8 (13)	53.8	16.4	34	25-Jun
BZ999-592	---	---	---	45.4 (15)	54.5	16.7	35	25-Jun
NURSERY MEAN	55.4	53.3	55.5	48.5	54.3	16.2	35	23-Jun
CV %	9.2	7.6	8.1	6.3	1.5	2.1	---	---
LSD @ .10	3.1	3.2	4.4	4.2	1.1	0.5	---	---

Planted: 20 Apr 05

Harvested: 25 Aug 05

TABLE WA4517. 2005 WSU EXTENSION HARD RED SPRING WHEAT NURSERY AT RITZVILLE, WA.

VARIETY NAME	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	YIELD (BU/A)	TEST WT. (LBS/BU)	2005 PROTEIN (%)	PLANT HT	HEAD DATE
JEFFERSON	---	25.9 (1)	24.7 (2)	14.1 (2)	58.5	10.7	22	30-May
WESTBRED 926	---	25.1 (2)	24.9 (1)	12.5 (5)	58.5	10.7	21	30-May
TARA 2002	---	24.0 (3)	23.8 (6)	11.9 (10)	55.8	11.4	24	29-May
HANK	---	23.8 (4)	22.5 (8)	12.8 (4)	56.7	9.9	22	29-May
HOLLIS	---	23.8 (5)	24.0 (5)	12.2 (7)	57.0	12.3	26	1-Jun
SCARLET	---	23.7 (6)	23.4 (7)	11.9 (9)	56.7	11.1	23	31-May
JEROME	---	21.7 (7)	18.4 (9)	10.6 (15)	57.7	8.8	22	29-May
BUCK PRONTO	---	---	24.7 (3)	16.0 (1)	58.7	12.1	24	28-May
ID593	---	---	24.4 (4)	11.4 (11)	55.3	10.5	22	30-May
BZ999-592	---	---	---	13.9 (3)	59.1	10.8	22	1-Jun
BZ999-339	---	---	---	12.4 (6)	57.6	10.1	22	30-May
WA7997	---	---	---	12.2 (8)	57.5	11.0	22	30-May
WA7998	---	---	---	11.2 (12)	55.3	11.8	23	30-May
WA7995	---	---	---	10.9 (13)	56.8	12.2	23	2-Jun
WA7994	---	---	---	10.7 (14)	56.2	12.8	22	2-Jun
SX1504B	---	---	---	9.7 (16)	57.0	11.8	21	3-Jun
NURSERY MEAN	---	24.0	23.4	12.2	57.1	11.1	23	30-May
CV %	---	9.6	12.2	18.7	---	---	---	---
LSD @ .10	---	1.8	2.8	3.1	---	---	---	---

Planted: 15 Mar 05  
Harvested: 5 Aug 05

TABLE WA4554. 2005 WSU EXTENSION HARD RED SPRING WHEAT NURSERY AT ST. ANDREWS, WA. (DOUGLAS COUNTY)

VARIETY NAME	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2005			PLANT HT
				YIELD (BU/A)	TEST WT. (LBS/BU)	PROTEIN (%)	
HOLLIS	---	26.4 (1)	28.7 (1)	27.2 (2)	57.6	15.7	31
JEROME	---	24.3 (2)	27.4 (3)	25.5 (6)	57.0	15.6	27
HANK	---	24.0 (3)	26.7 (4)	26.9 (3)	57.2	16.0	25
TARA 2002	---	23.3 (4)	27.7 (2)	25.7 (5)	56.6	15.7	29
WESTBRED 926	---	23.0 (5)	25.4 (7)	22.4 (11)	58.3	16.6	25
JEFFERSON	---	22.5 (6)	24.0 (9)	21.4 (14)	59.4	14.4	25
SCARLET	---	22.0 (7)	24.0 (8)	20.8 (16)	58.8	14.4	27
BUCK PRONTO	---	---	26.3 (5)	25.3 (7)	59.4	16.1	27
ID593	---	---	25.6 (6)	24.1 (9)	57.3	15.2	26
BZ999-592	---	---	---	28.1 (1)	59.9	15.5	28
WA7997	---	---	---	26.2 (4)	57.4	15.8	28
BZ999-339	---	---	---	24.8 (8)	57.3	16.1	26
WA7995	---	---	---	22.6 (10)	55.9	17.1	27
WA7994	---	---	---	22.0 (12)	57.4	16.9	28
SX1504B	---	---	---	21.7 (13)	57.6	16.7	25
WA7998	---	---	---	21.0 (15)	56.9	16.5	27
NURSERY MEAN	---	23.6	26.2	24.1	57.7	15.9	27
CV %	---	19.6	17.5	19.0	3.3	4.8	---
LSD @ .10	---	3.7	4.5	6.4	2.6	1.1	---

Planted: 20 Apr 05

Harvested: 16 Aug 05

TABLE WA4528. 2005 WSU EXTENSION HARD RED SPRING WHEAT NURSERY AT ST. JOHN, WA.

VARIETY NAME	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	YIELD (BU/A)	TEST WT. (LBS/BU)	2005 PROTEIN (%)	PLANT HT	HEAD DATE
HANK	63.0 ( 1)	57.2 ( 4)	58.8 ( 5)	53.3 ( 6)	59.3	14.7	31	15-Jun
JEFFERSON	62.1 ( 2)	58.6 ( 2)	60.7 ( 2)	51.6 ( 8)	60.1	15.1	31	18-Jun
SCARLET	61.4 ( 3)	55.7 ( 6)	56.1 ( 8)	44.3 (16)	59.2	14.3	34	16-Jun
TARA 2002	60.7 ( 4)	57.9 ( 3)	60.6 ( 3)	51.2 ( 9)	59.7	14.6	34	17-Jun
HOLLIS	59.2 ( 5)	56.3 ( 5)	58.5 ( 6)	53.8 ( 5)	58.7	16.0	40	15-Jun
WESTBRED 926	57.6 ( 6)	54.8 ( 7)	57.4 ( 7)	49.6 (11)	59.3	15.1	31	16-Jun
JEROME	---	59.0 ( 1)	63.2 ( 1)	58.5 ( 2)	59.7	14.3	31	16-Jun
BUCK PRONTO	---	---	59.4 ( 4)	52.4 ( 7)	59.3	16.4	33	17-Jun
ID593	---	---	55.5 ( 9)	45.7 (14)	58.3	14.0	29	15-Jun
BZ999-339	---	---	---	61.8 ( 1)	59.4	15.2	35	16-Jun
SX1504B	---	---	---	57.9 ( 3)	60.0	14.1	30	16-Jun
WA7998	---	---	---	56.9 ( 4)	58.5	15.0	33	17-Jun
BZ999-592	---	---	---	50.4 (10)	59.7	14.3	33	17-Jun
WA7997	---	---	---	46.8 (12)	59.4	14.3	32	18-Jun
WA7994	---	---	---	46.5 (13)	58.6	15.2	33	17-Jun
WA7995	---	---	---	45.6 (15)	58.3	15.2	33	17-Jun
NURSERY MEAN	60.7	57.1	58.9	51.7	59.2	14.9	33	16-Jun
CV %	8.0	8.9	9.2	12.9	1.1	4.1	---	---
LSD @ .10	3.0	4.0	5.3	9.2	0.9	0.9	---	---

Planted: 13 Apr 05

Harvested: 12 Aug 05

TABLE WA4515. 2005 WSU EXTENSION HARD RED SPRING WHEAT NURSERY AT WALLA WALLA, WA.

VARIETY NAME	5 YEAR	3 YEAR	2 YEAR	2005				
	AVERAGE (BU/A)	AVERAGE (BU/A)	AVERAGE (BU/A)	YIELD (BU/A)	TEST WT. (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE
HANK	51.6 (1)	58.1 (1)	62.7 (1)	41.1 (2)	55.7	14.7	28	31-May
TARA 2002	48.3 (2)	53.6 (2)	59.0 (2)	47.9 (1)	56.8	14.4	31	29-May
JEFFERSON	48.2 (3)	51.2 (4)	54.9 (5)	31.3 (9)	54.8	15.1	29	1-Jun
HOLLIS	47.6 (4)	51.7 (3)	56.7 (3)	32.8 (5)	54.8	15.7	36	31-May
WESTBRED 926	47.1 (5)	51.2 (5)	54.7 (6)	29.3 (10)	53.0	16.0	27	31-May
SCARLET	45.2 (6)	47.7 (7)	49.1 (9)	28.4 (11)	52.9	15.0	31	1-Jun
JEROME	---	51.0 (6)	55.4 (4)	31.3 (9)	54.2	14.4	26	31-May
ID593	---	---	54.1 (7)	27.6 (13)	51.6	14.6	27	31-May
BUCK PRONTO	---	---	53.8 (8)	28.2 (12)	53.1	16.2	29	29-May
SX1504B	---	---	---	38.4 (3)	57.7	14.2	28	1-Jun
BZ999-339	---	---	---	36.8 (4)	54.5	15.3	29	30-May
WA7997	---	---	---	32.4 (6)	52.6	15.4	28	31-May
WA7998	---	---	---	31.6 (7)	52.0	14.9	28	31-May
BZ999-592	---	---	---	26.7 (14)	55.4	14.6	29	1-Jun
WA7995	---	---	---	25.2 (15)	51.5	15.6	29	1-Jun
WA7994	---	---	---	21.8 (16)	50.6	15.9	29	1-Jun
NURSERY MEAN	48	52.1	55.6	31.9	53.8	15.1	29	31-May
CV %	14.3	15.4	14.6	20.4	3.5	4.7	---	---
LSD @ .10	4.2	6.4	7.9	9.0	2.6	1.0	---	---

Planted: 16 Mar 05  
Harvested: 26 Jul 05