

# U.S. Wheat Associates

## Harvest Report


October 22, 2014

### Hard Red Winter

The 2014 HRW wheat harvest and evaluation of samples is complete. Overall test weight averaged 60.7 lbs/bu (79.9 kg/hl) which is well above the 2013 average of 59.9 lbs/bu (78.8 kg/hl) and equal to the five-year average of 60.8 lbs/bu (79.9 kg/hl). Average wheat protein of 13.3% is similar to the 2013 average of 13.4% and almost one percentage point above the five-year average of 12.4%.

Flour protein averaged 12.3% which is 1.5 percentage points above the five-year average with an average of 0.7% protein loss during wheat to flour (14% mb) conversion. The average Buhler lab mill extraction is 73.9%, which is well above the five-year average of 72.7%. Farinograph stability time is slightly lower than the five-year average of 12.6 minutes, and water absorption is two percentage points higher than last year's 60.4% for high protein. Overall loaf volume averaged 859 cc, which is comparable to last year's average of 860 cc and exceeds the five-year average of 816 cc. Alveograph "W" value, water absorption, farinograph development and stability times, and loaf volume all suggest that the protein quality and quantity present in the 2014 HRW crop is excellent.

The 2014 HRW crop can be characterized as one with very good wheat protein that translates into high flour protein content and very good functionality. Water absorption and loaf volumes are very good and exceed the five-year averages. Kernel characteristics are within the averages, with significantly lower shrunken and broken kernels compared to last year and to the five-year average. This year's crop meets or exceeds typical HRW contract specifications and should provide a high value to the customer.


	WHEAT DATA								GRADE FACTORS							Final
	Samples		Moisture %	Protein %	Dry Basis Protein %	Dockage %	TKW gm	FN sec	Grade	Test Weight		FM %	Damage %	S&B %	Defects %	
	Tested	Expected								lb/bu	kg/hl					
2014 Final	525	530	11.7	13.3	15.1	0.4	30.7	387	1 HRW	60.7	79.9	0.1	0.5	0.8	1.4	
2013 Final	534	534	10.9	13.4	15.2	0.6	26.0	421	2 HRW	59.9	78.8	0.2	0.1	1.6	2.0	

Results shown represent all samples collected through this and last week respectively.

**Legend:** Protein = 12% Moisture Basis; TKW = 1000 Kernel Weight; FN = Falling Number; FM = Foreign Material; S&B = Shrunken and Broken; n/a = not available.

### Soft Red Winter

The final 2014 SRW weekly harvest report issued on August 8, 2014.

	WHEAT DATA								GRADE FACTORS							Final
	Samples		Moisture %	Protein %	Dry Basis Protein %	Dockage %	TKW gm	FN sec	Grade	Test Weight		FM %	Damage %	S&B %	Defects %	
	Tested	Expected								lb/bu	kg/hl					
2014 Final	527	500	13.1	9.9	11.2	0.4	31.8	315	2 SRW	58.1	76.5	0.2	0.9	0.6	1.7	
2013 Final	546	546	13.3	9.8	11.2	0.5	33.5	294	2 SRW	58.0	76.4	0.1	2.4	0.5	3.0	

Results shown represent all samples collected through this and last week respectively.

**Legend:** Protein = 12% Moisture Basis; TKW = 1000 Kernel Weight; FN = Falling Number; FM = Foreign Material; S&B = Shrunken and Broken; n/a = not available.

### Hard Red Spring

The final 2014 HRS weekly harvest report issued on October 10, 2014.

WHEAT DATA								GRADE FACTORS							Final
Dry Basis															

	WHEAT DATA								GRADE FACTORS							
	Samples		Moisture %	Protein %	Dry Basis Protein %	Dockage %	TKW gm	FN sec	Grade	Test Weight		FM %	Damage %	S&B %	Defects %	DHV %
	Tested	Expected								lb/bu	kg/hl					
2014 Final	460	460	12.9	13.6	15.5	0.7	32.7	370	1 NS	60.8	80.0	0.0	0.4	0.7	1.1	60
2013 Final	443	443	12.5	13.6	15.5	0.8	32.7	421	1 NS	62.3	81.9	0.0	0.2	0.8	1.0	73

Results shown represent all samples collected through this and last week respectively.

**Legend:** Protein = 12% Moisture Basis; TKW = 1000 Kernel Weight; FN = Falling Number; FM = Foreign Material; S&B = Shrunken and Broken; n/a = not available.

### Soft White

The final 2014 SW weekly harvest report issued on September 26, 2014.

	WHEAT DATA								GRADE FACTORS							Final
	Samples		Moisture %	Protein %	Dry Basis Protein %	Dockage %	TKW gm	FN sec	Grade	Test Weight		FM %	Damage %	S&B %	Defects %	
	Tested	Expected								lb/bu	kg/hl					
2014 Final	373	440	9.1	10.9	12.3	0.6	34.1	337	1 SW	60.3	79.4	0.1	0.0	0.7	0.8	
2013 Final	464	464	8.9	10.1	11.4	0.5	35.5	329	1 SW	60.6	79.7	0.1	0.1	0.6	0.8	

Results shown represent all samples collected through this and last week respectively.

**Legend:** Protein = 12% Moisture Basis; TKW = 1000 Kernel Weight; FN = Falling Number; FM = Foreign Material; S&B = Shrunken and Broken; n/a = not available.

### Durum

The final 2014 Durum weekly harvest report issued on October 10, 2014.

	WHEAT DATA								GRADE FACTORS							Final
	Samples		Moisture %	Protein %	Dry Basis Protein %	Dockage %	TKW gm	FN sec	Grade	Test Weight		FM %	Damage %	S&B %	Defects %	HVAC %
	Tested	Expected								lb/bu	kg/hl					
2014 Final	100	108	12.3	13.3	15.0	1.5	38.9	291	2 AD	58.6	76.3	0.0	1.4	1.1	2.5	75.3
2013 Final	98	113	11.9	13.1	14.9	0.9	44.3	384	1 HAD	61.2	79.7	0.0	0.2	0.7	0.9	87.0

Results shown represent all samples collected through this and last week respectively.

**Legend:** Protein = 12% Moisture Basis; TKW = 1000 Kernel Weight; FN = Falling Number; FM = Foreign Material; S&B = Shrunken and Broken; n/a = not available.