

## U.S. Wheat Associates

### Harvest Report


September 9, 2016

#### Hard Red Winter

The 2016 HRW wheat harvest is complete in every state. There are 483 of an expected 500 samples in the Lab. North Dakota has had a significant reduction of HRW acres, and the number of samples has been reduced accordingly. The final samples are either in transit or in the lab at various stages of testing. There are a few changes this week with the additional samples received. Moisture is down 0.3 percentage point to 11%. Thousand kernel weight (TKW) significantly increased by 0.5 grams to 31.9 g, and falling number (FN) is 392 seconds, comparable with the overall average of 400 seconds in 2015. Average protein content remains unchanged at 11.2%.

Gulf Tributary dough and bake testing (now 93 % complete) indicate an average farinograph peak time of 4.1 minutes compared with 4.8 minutes in 2015 and the five-year average of 5.6 minutes. Average farinograph stability is 6.5 minutes compared with 6.6 minutes in 2015 and the five-year average of 10.9 minutes. Loaf volume average is 802 cc compared with 876 cc in 2015 and the five-year average of 844 cc. Laboratory mill flour yield average is 77.0% and is significantly above the 74.1% in 2015 and the five-year average of 73.8%. Those values have not yet been weighted for production.

This will be the final HRW weekly report issued. A final report on the 2016 HRW crop will be issued, likely in mid-October when all testing has been completed and data has been evaluated.


	WHEAT DATA									GRADE FACTORS						<input type="checkbox"/> 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					
This Week	483	500	11.0	11.2	12.7	0.6	31.9	392	1 HRW	60.7	79.8	0.2	0.2	0.8	1.2	
Last Week	462	530	11.3	11.2	12.7	0.6	31.4	391	1 HRW	60.7	79.8	0.2	0.2	0.9	1.3	
2015 Final	499	499	11.1	12.3	14.0	0.7	29.8	400	2 HRW	59.3	78.0	0.1	0.4	1.2	1.7	

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 2016 SRW weekly harvest report was issued on August 12. The full 2016 SRW Quality Survey Report is available at [www.uswheat.org/cropQuality](http://www.uswheat.org/cropQuality).

	WHEAT DATA									GRADE FACTORS						<input type="checkbox"/> 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					
This Week	484	500	12.4	9.5	10.9	0.5	32.2	329	3 SRW	57.9	76.2	0.2	1.0	0.5	1.8	
Last Week	484	500	12.4	9.5	10.9	0.5	32.2	329	3 SRW	57.9	76.2	0.2	1.0	0.5	1.8	
2015 Final	519	500	12.7	9.9	11.3	0.7	32.0	267	3 SRW	56.9	75.0	0.1	3.4	0.6	4.1	


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

HRS harvest is 90% complete. Approximately 81% of the expected samples have been collected and analyzed for this week's report. Average protein content remains unchanged from last week at 14.3%, up slightly from last year's final average of 14.2%. A further breakdown of average protein content by state shows: Minnesota (14.1%), Montana (14.0%), North Dakota (14.5%), and South Dakota (14.3%). Test weight average is 61.3 lb/bu (80.6 kg/hl), which is slightly lower than last year final average of 61.4 lb/bu (80.7 kg/hl). Falling number average is over 400 seconds. Average vitreous kernel content (DHV) is holding steady at 77% making the average grade of these samples US No. 1 DNS. Milling of completed composites will begin in the latter part of next week.


	WHEAT DATA								GRADE FACTORS							<input type="checkbox"/> Final
	Samples		Moisture %	Protein %	Dry Basis		TKW gm	FN sec	Grade	Test Weight		FM %	Damage %	S&B %	Defects %	DHV %
	Tested	Expected			Protein %	Dockage %				lb/bu	kg/hl					
This Week	360	446	12.4	14.3	16.3	0.7	31.6	414	1 DNS	61.3	80.6	0.0	0.1	0.7	0.8	77
Last Week	312	446	12.4	14.3	16.3	0.7	31.5	414	1 DNS	61.4	80.7	0.0	0.1	0.7	0.8	76
2015 Final	430	430	12.1	14.2	16.1	0.8	32.0	412	1 DNS	61.4	80.7	0.0	0.2	0.8	1.0	77

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

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### Soft White

This week's 33 SW samples came from east central and east Washington. Weighted averages changed slightly from last week: test weight is 60.7 lb/bu (79.8 kg/hl), moisture content is 9.9%, protein content is 10.0%, and falling number value is 313 seconds. The Pacific Northwest wheat harvest is essentially done, but more samples are expected from Washington and north Idaho.

	WHEAT DATA								GRADE FACTORS							<input type="checkbox"/> Final
	Samples		Moisture %	Protein %	Dry Basis		TKW gm	FN sec	Grade	Test Weight		FM %	Damage %	S&B %	Defects %	
	Tested	Expected			Protein %	Dockage %				lb/bu	kg/hl					
This Week	359	440	9.9	10.0	11.4	0.6	36.3	313	1 SW	60.7	79.8	0.0	0.1	0.5	0.6	
Last Week	326	440	10.0	10.1	11.5	0.6	36.2	316	1 SW	60.6	79.7	0.0	0.1	0.5	0.6	
2015 Final	448	440	8.9	10.9	12.4	0.6	30.8	354	2 SW	59.3	78.0	0.0	0.1	1.0	1.1	

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

Durum harvest is over 70% complete in Montana and North Dakota. With 63% of the samples collected, the average grade remains US No. 1 HAD. Compared to last week, little or no change occurred in kernel moisture content, protein content, dockage, total defects or HVAC. Small increases in thousand kernel weight, falling number, and test weight were observed. Damp conditions have persisted this week over the durum growing region which could result in reduced quality in forthcoming harvested wheat.

	WHEAT DATA								GRADE FACTORS							<input type="checkbox"/> Final
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	Samples		Moisture %	Protein %	Dry Basis			TKW gm	FN sec	Grade	Test Weight		FM %	Damage %	S&B %	Defects %	HVAC %
	Tested	Expected			Protein %	Dockage %	Test Weight lb/bu				Test Weight kg/hl						
This Week	71	113	11.5	13.7	15.6	0.7	40.1	411	1 HAD	60.4	78.7	0.0	0.3	1.0	1.3	86	
Last Week	56	113	11.5	13.8	15.7	0.7	39.8	401	1 HAD	60.2	78.4	0.0	0.4	0.9	1.3	86	
2015 Final	116	118	11.3	13.9	15.8	0.9	39.1	420	1 HAD	60.6	78.9	0.0	0.2	1.1	1.3	91	

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.