

Harvest Summary of HRW June 7, 2013

By Mark Hodges, Director, Plains Grains, Inc.

- Percent of Harvest

Complete by Location:

○ Texas	20%
○ Oklahoma	1%
○ Kansas	0%
○ Colorado	0%
○ Nebraska	0%
○ South Dakota	0%
○ North Dakota	0%
○ Montana	0%
○ Washington	0%
○ Oregon	0%
○ Idaho	0%
○ Wyoming	0%

The 2013 HRW wheat harvest has slowed significantly due to rain in north Texas. Cutting in central Texas has resumed and is now about 25% complete in that area of the state with good test weight and good yields being reported. Further north along the Texas/Oklahoma state line harvest is now 50% to 70% complete as rain has now stopped cutting until fields dry. Most of that area was hit hard by drought and freeze which hastened the maturity of what crop was left (many acres in this area have been abandon). While kernels are reportedly small, test weights (78.9 kg/hl) and protein (15%) have been very good. Crop yields have been very erratic ranging from 10 bu/ac (.7 mt/ha) to over 50 bu/ac (3.4 mt/ha). The overall Texas crop is still rated at 79% poor to very poor.

While several elevators in Oklahoma continue to receive grain, much of that is coming from across the border in Texas. Currently harvest in Oklahoma (estimated 1% cut) has been limited to the southwestern corner of the state and very sporadic in nature. Early yields are reportedly between 15 bu/ac (1.0 mt/ha) and 20 bu/ac (1.3 mt/ha). 54% of the Oklahoma crop is rated poor to very poor with 60% of the crop at soft dough stage compared to the 5-year average of 93% by this date.

The Kansas crop is rated at 45% poor to very poor with 93% of the crop headed vs. the 5-year average of 98% by this date. The Colorado crop is 35% headed vs. the 5-year average of 75% by this date. 60% of the Colorado crop is rated poor to very poor.

June 7, 2013

Samples

Tst	Exp	MST	Pro %	DKG	TKW	FN	Grade	Test Weight	FM	DMG	S&B	DEF
	500											

Final 2012

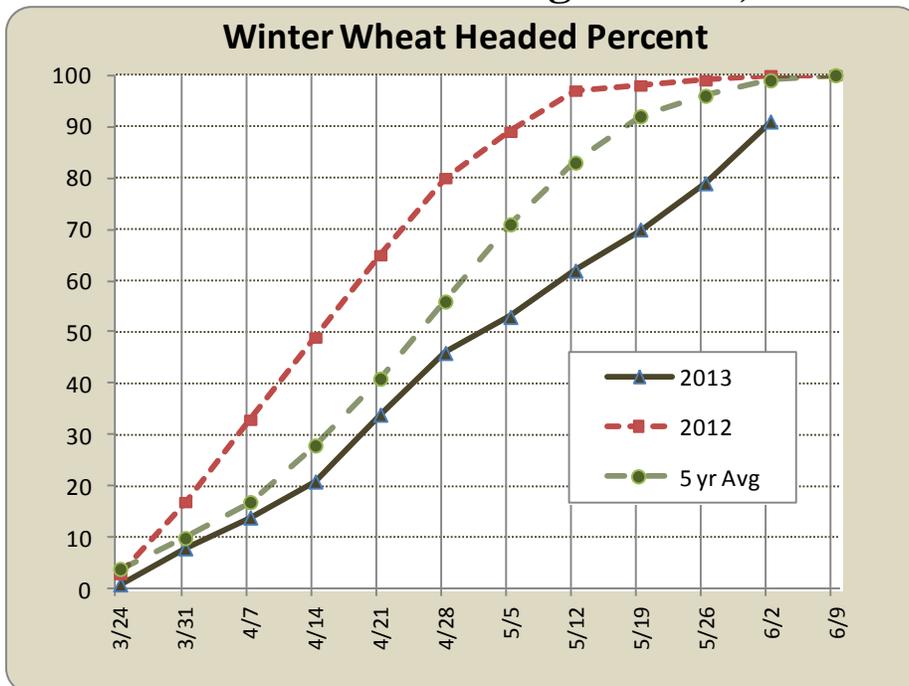
Samples

Tst	Exp	MST	Pro %	DKG	TKW	FN	Grade	Test Weight	FM	DMG	S&B	DEF
538	Final	10.7	12.6	0.48	29.0	409	1HRW	61.1 80.4	0.1	0.1	1.2	1.4

Percent Harvested in Texas by Region as of June 2, 2013



Texas Headed Percentage June 2, 2013



Winter Wheat Headed - Selected States

[These 18 States planted 87% of the 2012 winter wheat acreage]

State	Week ending			2008-2012 Average
	June 2, 2012	May 26, 2013	June 2, 2013	
	(percent)	(percent)	(percent)	(percent)
Arkansas	100	100	100	100
California	100	99	100	100
Colorado	99	10	35	75
Idaho	18	-	14	11
Illinois	100	82	93	94
Indiana	99	68	87	93
Kansas	100	74	93	98
Michigan	94	6	49	57
Missouri	100	88	96	96
Montana	-	-	-	-
Nebraska	99	7	27	62
North Carolina	100	98	100	100
Ohio	100	59	86	89
Oklahoma	100	93	94	100
Oregon	65	31	55	59
South Dakota	85	1	2	27
Texas	100	79	91	99
Washington	43	46	55	39
18 States	88	60	73	80

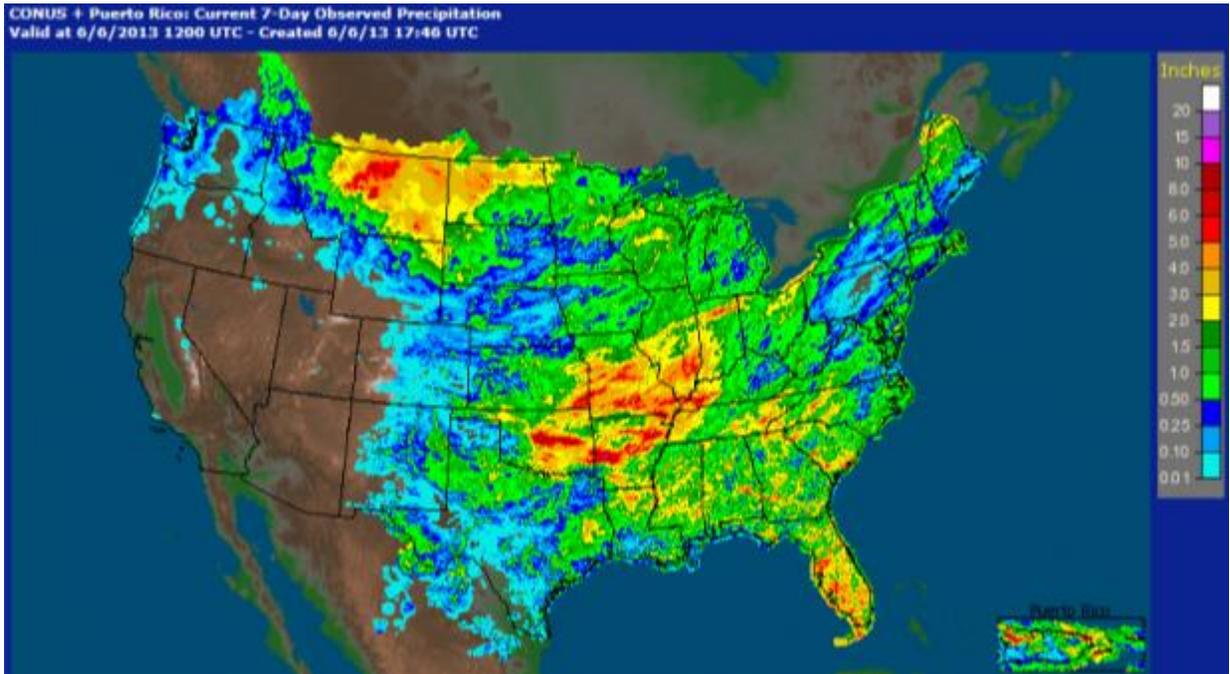
- Represents zero.

Winter Wheat Condition - Selected States: Week Ending June 2, 2013

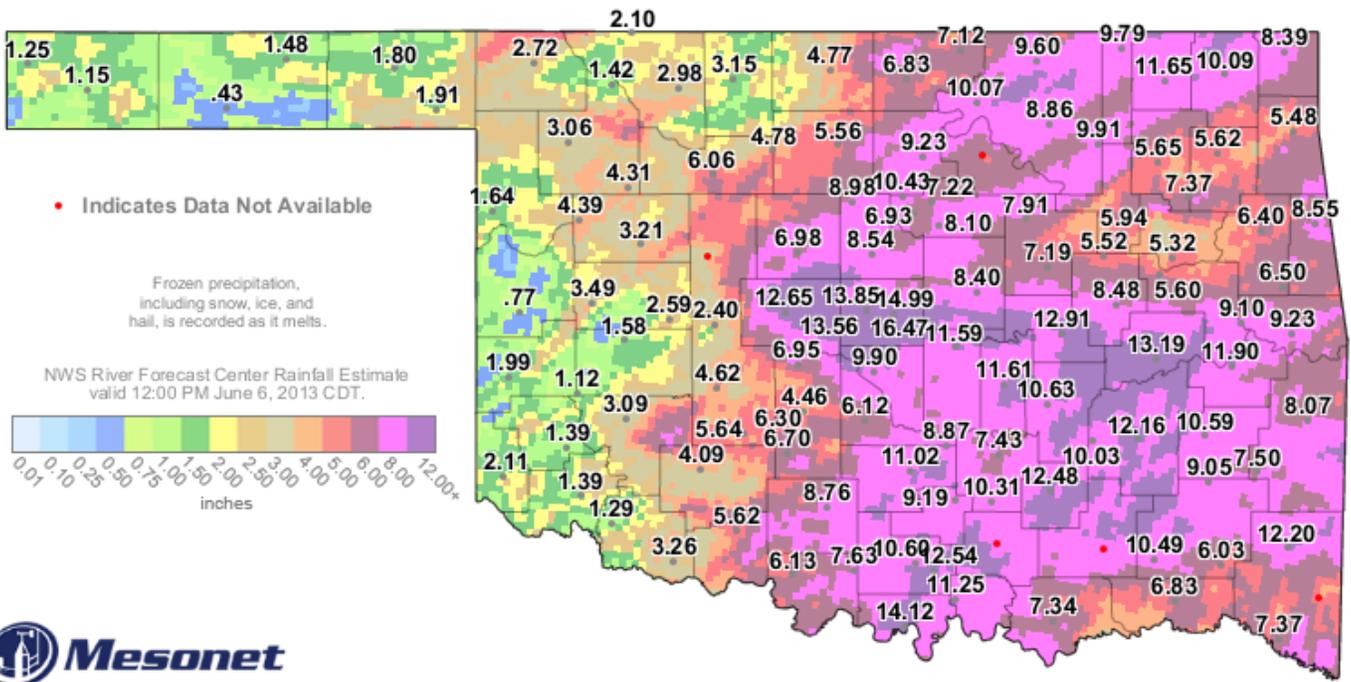
[National crop conditions for selected States are weighted based on 2012 planted acreage]

State	Very poor	Poor	Fair	Good	Excellent
	(percent)	(percent)	(percent)	(percent)	(percent)
Arkansas	5	7	34	45	9
California	-	-	10	20	70
Colorado	37	23	29	10	1
Idaho	1	1	17	67	14
Illinois	2	6	26	55	11
Indiana	1	3	23	53	20
Kansas	24	21	27	24	4
Michigan	3	5	33	51	8
Missouri	1	5	31	51	12
Montana	3	7	28	46	16
Nebraska	24	29	33	13	1
North Carolina	-	3	27	57	13
Ohio	1	3	24	55	17
Oklahoma	26	28	28	16	2
Oregon	12	20	37	30	1
South Dakota	34	24	31	11	-
Texas	52	27	14	6	1
Washington	3	6	22	62	7
18 States	24	19	25	26	6
Previous week	23	19	27	26	5
Previous year	6	12	30	40	12

- Represents zero.



Oklahoma Mesonet 30 day Precipitation Ending June 6, 2013



Mesonet
30-Day Rainfall (inches)

1:15 PM June 6, 2013 CDT
Created 1:20:09 PM June 6, 2013 CDT. © Copyright 2013

Wheat Disease Update – 05 June 2013

Bob Hunger, Extension Wheat Pathologist
Department of Entomology & Plant Pathology
Oklahoma State University

Oklahoma:

Not a lot to add since the last report and this is likely the last one from Oklahoma unless something out of the ordinary occurs. Wheat is being harvested in southwestern OK. I've heard reports that ranged from "about 180 bu from 50 some acres" up to around 30 bu/acre. Wheat around Stillwater is typically at medium dough with very little green leaf tissue left in the leaves. Stems are still mostly green but also beginning to fade. All of the wheat I looked at on Monday had 3 plump kernels/mesh.

A field day last Thursday (30-May) in Pawnee County (30 miles northwest of Stillwater) revealed a trial and surrounding field with severe leaf spot. Isolations from 3 varieties all yielded *Pyrenophora* (tan spot) and *Septoria/Stagonospora* with tan spo (*Pyrenophora*) more common than the other two. The wheat was approaching dough, so I don't think there will be a huge yield hit – especially given the moisture and cool spell we have been having. I have only rarely seen tan spot and the leaf spot diseases in general this severe in Oklahoma.

Dr. Ned Tisserat (wheat Pathologist at Colorado State University) confirmed our suspected diagnosis of bacterial streak/black chaff in the variety trial at Chickasha (about 40 miles southwest of Oklahoma City). Symptoms were widespread and quite severe across all varieties, but similar symptoms due to leaf spots, drought, and freeze also contributed to the overall burnt appearance to the trial.

Finally, Bryan Vincent (crop consultant – north central OK) sent in photos of isolated spots in a wheat field in Kay County (just south of Kansas in north central OK). Although no sample was submitted, the photos and description of the situation definitely indicated this to be take all.

Reports/excerpts of reports from other states:

Kansas - Dr. Erick De Wolf (Professor/Small Grains Extension Pathologist, Kansas State Univ, Manhattan, KS) 03-Jun-2013: Fields in Central Kansas are maturing rapidly now and many fields were at the milk stages of development last week. The levels of stripe rust and leaf rust remain low in Kansas this year despite some earlier reports of stripe rust when the wheat was heading. It appears higher temps have slowed the development of stripe rust. Only trace levels of stripe rust can be found in most plots and commercial fields I visited May 27-31 in Republic, Smith and Phillips counties (North central). Rust was absent from plots and fields I checked in Eills, Rush, Ness, and Lane counties (west central KS) this year and drought remains a serious issue for these growers.

I observed low to moderate levels of leaf rust in a variety testing location in Reno county (south central KS) on May 31. The incidence was near 80% but severity was still very low (generally less than 2%) of the flag leaves of susceptible varieties such as Overley, Jagger and Jagalene. The wheat in this plot was at the milk stages of kernel development so I do not expect any significant yield loss at this location.

Nebraska - Dr. Stephen Wegulo (Small Grains Extension Pathologist, Univ of Nebraska, Lincoln, NE) 30-May-2013: This afternoon I looked at breeding nursery plots in Lincoln (Lancaster County, southeast Nebraska). I found trace levels of stripe rust. The predominant disease was powdery mildew in the lower canopy, followed by leaf spots, mainly *Septoria*. There was a low incidence of *Fusarium* head blight (FHB) at low severity (one spikelet bleached on wheat, more on barley and in one case an entire barley head bleached). I suspect FHB is going to be a problem in the eastern part of the state. The timing of heavy, continuous rainfall coinciding with heading and flowering couldn't be better for FHB development in the eastern part of the state. We have had these conditions over the last week or so and even before. Dr. P. Stephen Baenziger, UNL small grains breeder, happened to be at the nursery when I arrived. He

told me his team saw stripe rust at higher than trace levels in a breeding nursery at Mead (about 30 miles north of Lincoln). Conditions are perfect for rapid development and/or spread of just any fungal or bacterial disease in eastern Nebraska. I also saw low levels of barley yellow dwarf virus in lines that appeared to be susceptible. A sample with virus symptoms I brought back from Saline County (also in southeast Nebraska) last week has tested positive for wheat streak mosaic.

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