



2019 PACIFIC NORTHWEST CROP QUALITY REPORT

WEEK 6: September 5, 2019

We received and tested 626 samples at the end of the sixth week for the Pacific Northwest 2019 wheat harvest.

Of the 66 wheat samples tested for this week, 63 were soft white (SWH) and one each was white club (WHCB), hard red winter (HRW), and hard red spring (HRS). Twenty-four samples (36%) came from District 4 (North Central Oregon), 18 (27%) each were from Districts 10 (Southeastern Washington) and 11 (Northern Idaho), and a few each were from Districts 5 (Northeastern Oregon) and 6/7 (Western Washington).

USDA Economic Statistics Districts (Table 1) data remained similar to last week as follows: Test weights for SWH ranged from 58.7 to 62.9 lb/bu with weighted average at 61.7 lb/bu (81.1 kg/hl). SWH dockage ranged from 0.2 to 0.7%. SWH wheat moisture contents ranged from 9.3 to 11.7% with weighted average at 9.8%. Average SWH wheat protein content (12% mb) was 10.1% and the range is from 8.5 to 12.4%. SWH falling number average value (14% mb) was 302 seconds. WHCB, HRW, and HRS data stayed similar to last week.

We continue to report the six PNW Production Zones (Table 2): Northwest (NW), Southwest (SW), North Central (NC), Central (C), Northeast (NE), and Southeast (SE). The Zones are based on country elevator locations and climatic conditions. This week's samples came from Zone NE (55%) and Zone C (45%).

Year-to-date the SWH average protein (12% mb) was the highest for Zones NC and NE at 10.2% followed by Zones C at 10.1%; the lowest was in Zone SW at 8.5%. The WHCB average protein (12% mb) was the highest at 10.6% for Zone NE and lower at 10.0% and 9.3% for Zones NC and C, respectively.



BY USDA ECONOMIC STATISTICS DISTRICTS

Table 1

2019 CROP WEEK 6 September 5, 2019																					
Class	District	Number of Samples	Grading Data									Quality Data									
			Test Weight (lb/bu)	Test Weight (kg/hl)	Dockage (%)	Heat Damage (%)	Total Damage (%)	Foreign Material (%)	Shrunk & Broken (%)	Total Defects (%)	Moisture (%)	Protein (% 12% mb)			Falling Number (s. 14%mb)	Thousand Kernel Weight (g. 14% mb)	Kernel Hardness (20 to 120)	Kernel Size (mm)	Ash (% 14% mb)	Wet Gluten (% 14% mb)	
												Average	Low	High							
SWH	1 2	11	59.5	78.3	0.4	0.0	0.0	0.0	0.0	0.5	0.6	11.7	8.5	7.6	9.7	301	40.0	15.4	2.86	1.40	18.2
SWH	3	2	61.0	80.2	0.3	0.0	0.0	0.0	0.0	0.7	0.7	10.6	9.1	8.8	9.4	271	44.4	23.8	2.97	1.57	21.0
SWH	4	57	61.4	80.8	0.4	0.0	0.0	0.0	0.0	0.4	0.4	10.3	10.1	6.9	13.0	299	35.9	20.8	2.78	1.31	24.8
SWH	5	23	61.0	80.2	0.4	0.0	0.0	0.0	0.2	0.5	0.6	9.5	9.8	7.3	11.2	250	36.9	21.0	2.82	1.41	23.2
SWH	6 7	21	61.2	80.5	0.7	0.0	0.0	0.0	0.2	0.6	0.8	10.0	10.4	8.0	13.6	293	34.9	23.1	2.70	1.28	25.8
SWH	8	117	61.6	81.0	0.4	0.0	0.0	0.0	0.0	0.5	0.6	9.4	10.2	7.7	15.9	297	35.0	24.3	2.71	1.28	25.0
SWH	9	2	58.7	77.3	0.7	0.0	0.0	0.0	1.5	1.5	9.3	12.4	8.8	15.9	230	29.2	19.9	2.55	1.57	32.8	
SWH	10	67	62.4	82.0	0.4	0.0	0.0	0.0	0.4	0.4	9.7	10.2	8.7	12.2	314	36.9	23.5	2.79	1.29	25.1	
SWH	11	40	62.9	82.7	0.5	0.0	0.0	0.0	0.4	0.4	9.8	10.0	9.2	11.0	318	36.0	26.6	2.77	1.36	23.6	
SWH	12	6	60.6	79.8	0.7	0.0	0.3	0.5	0.2	1.0	9.6	9.2	8.5	9.7	262	45.4	19.3	2.99	1.55	21.1	
SWH	13	12	62.4	82.1	0.2	0.0	0.0	0.0	0.2	0.2	10.1	9.1	7.7	10.8	339	41.2	31.1	2.88	1.52	18.1	
SWH	14	34	61.2	80.4	0.3	0.0	0.0	0.0	0.3	0.4	10.6	10.0	8.2	12.5	327	39.7	25.6	2.84	1.55	21.5	
	Crop Year Average																				
SWH	2019	392	61.7	81.1	0.4	0.0	0.0	0.0	0.4	0.5	9.8	10.1			302	36.6	23.6	2.77	1.34	24.0	
SWH	2018	473	61.7	80.9	0.5	0.0	0.0	0.0	0.5	0.6	8.6	9.3			315	35.7	27.2	2.77	1.36	20.6	
WHCB	4	1	62.6	82.3	0.6	0.0	0.0	0.0	0.3	0.3	9.2	10.7	10.7	10.7	345	32.5	38.9	2.74	1.34	27.2	
WHCB	5	1	61.5	80.9	0.5	0.0	0.0	0.0	0.4	0.4	9.9	9.1	9.1	9.1	268	39.8	25.5	2.54	1.21	15.8	
WHCB	6 7	4	58.7	77.2	0.7	0.0	0.0	0.1	1.4	1.5	9.8	9.6	8.2	10.3	284	32.6	18.0	2.52	1.32	21.3	
WHCB	8	76	60.6	79.7	0.9	0.0	0.0	0.0	1.1	1.2	9.1	10.0	7.8	13.0	312	31.6	19.6	2.53	1.28	23.3	
WHCB	10	7	60.7	79.8	0.7	0.0	0.0	0.5	1.3	1.8	8.9	10.3	8.0	12.7	311	28.3	28.9	2.49	1.30	24.5	
	Crop Year Average																				
WHCB	2019	89	60.5	79.6	0.8	0.0	0.0	0.1	1.2	1.2	9.1	10.0			310	31.5	20.5	2.53	1.28	23.3	
WHCB	2018	128	61.2	80.5	0.5	0.0	0.0	0.1	0.8	0.9	8.1	9.0			316	32.8	27.9	2.62	1.29	15.8	
HRW	4	5	61.8	81.3	0.9	0.0	0.0	0.1	0.5	0.5	9.3	12.1	8.4	13.9	331	30.6	64.1	2.70	1.38	29.1	
HRW	5	4	63.2	83.0	0.4	0.0	0.1	0.0	0.2	0.3	9.5	12.5	11.6	13.7	328	39.9	61.5	3.02	1.50	29.9	
HRW	6 7	8	63.1	82.9	0.3	0.0	0.0	0.0	0.2	0.3	10.9	11.9	10.8	12.8	366	37.8	69.8	2.84	1.27	30.3	
HRW	8	22	62.2	81.7	0.5	0.0	0.0	0.0	0.6	0.6	9.5	12.1	10.1	14.8	357	36.4	59.9	2.85	1.35	28.9	
HRW	10	17	63.2	83.0	0.4	0.0	0.0	0.0	0.5	0.6	9.5	11.1	9.4	12.6	344	35.6	64.7	2.85	1.29	24.6	
HRW	11	23	63.1	82.9	0.3	0.0	0.0	0.0	0.4	0.4	9.2	10.9	9.4	13.1	346	36.1	64.5	2.89	1.36	23.4	
HRW	13	4	62.2	81.7	0.1	0.0	0.0	0.0	0.3	0.3	8.4	12.0	11.9	12.2	380	37.4	67.4	2.96	1.42	28.6	
HRW	14	4	60.8	80.0	0.2	0.0	0.0	0.0	0.5	0.5	9.7	11.3	10.9	11.9	361	36.6	69.2	2.96	1.47	25.8	
	Crop Year Average																				
HRW	2019	87	62.6	82.4	0.4	0.0	0.0	0.0	0.4	0.5	9.5	11.5			351	36.2	64.1	2.87	1.35	26.6	
HRW	2018	112	62.9	82.7	0.3	0.0	0.0	0.0	0.5	0.5	8.3	11.1			365	36.7	65.3	2.92	1.38	25.1	
HRS	4	3	63.2	83.1	0.2	0.0	1.1	0.1	0.3	1.4	9.1	13.8	13.2	14.5	371	36.0	66.7	2.90	1.52	34.7	
HRS	6 7	4	63.3	83.1	0.6	0.0	0.0	0.0	0.3	0.3	10.0	14.7	13.9	16.0	387	38.2	63.6	2.94	1.42	39.9	
HRS	8	13	63.1	82.9	0.5	0.0	0.0	0.1	0.7	0.8	9.4	14.6	12.5	16.2	335	35.4	63.1	2.87	1.70	38.7	
HRS	10	11	63.2	83.1	0.4	0.0	0.0	0.1	0.8	0.8	9.1	14.4	12.9	15.7	385	31.4	69.8	2.74	1.50	34.4	
HRS	11	4	62.5	82.2	0.3	0.0	0.0	0.0	0.7	0.7	8.0	15.2	14.9	15.6	402	24.6	76.2	2.53	1.55	38.5	
HRS	13	2	63.4	83.3	0.3	0.0	0.0	0.2	0.5	0.7	11.1	14.4	13.5	15.3	436	33.2	75.1	2.80	1.67	35.4	
HRS	14	8	62.6	82.3	0.4	0.0	0.0	0.1	0.8	0.9	11.0	14.9	14.3	15.5	409	33.5	72.9	2.83	1.68	36.9	
	Crop Year Average																				
HRS	2019	45	63.0	82.8	0.4	0.0	0.1	0.1	0.7	0.8	9.6	14.6			378	33.3	68.5	2.81	1.60	37.0	
HRS	2018	95	62.6	82.3	0.4	0.0	0.0	0.0	0.8	0.8	8.7	14.1			386	32.3	72.2	2.77	1.56	35.0	



BY PRODUCTION ZONES

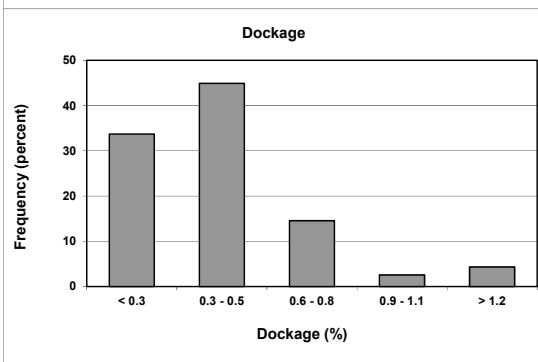
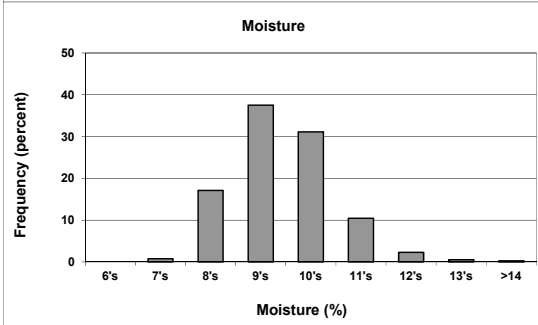
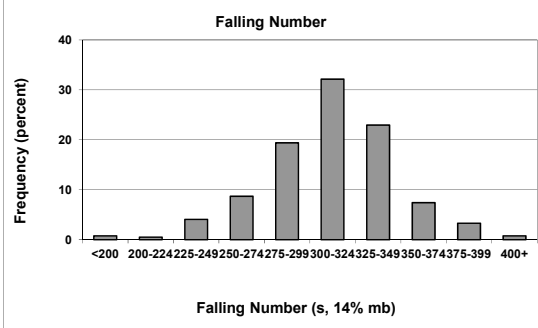
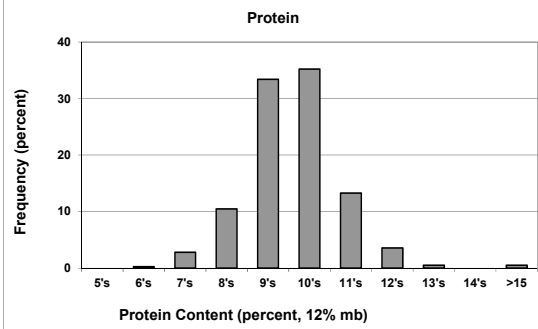
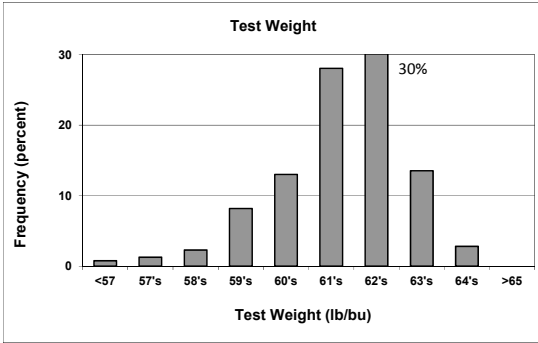
Table 2

2019 CROP WEEK 6 September 5, 2019																				
		Grading Data										Quality Data								
Class	District	Number of Samples	Test Weight (lb/bu)	Test Weight (kg/hl)	Dockage (%)	Heat Damage (%)	Total Damage (%)	Foreign Material (%)	Shrunk & Broken (%)	Total Defects (%)	Moisture (%)	Protein (% 12% mb)			Falling Number (s, 14%mb)	Thousand Kernel Weight (g, 14%mb)	Kernel Hardness (-20 to 120)	Kernel Size (mm)	Ash (% 14% mb)	Wet Gluten (% 14% mb)
												Average	Low	High						
SWH	NC	145	61.7	81.1	0.4	0.0	0.0	0.0	0.5	0.6	9.4	10.2	7.7	15.9	305	35.2	24.3	2.73	1.28	25.1
SWH	NE	85	62.6	82.3	0.5	0.0	0.0	0.0	0.4	0.4	9.9	10.2	8.8	15.9	313	36.4	24.3	2.77	1.32	24.8
SWH	C	96	61.3	80.6	0.5	0.0	0.0	0.1	0.5	0.6	10.0	10.1	6.9	13.0	287	35.9	21.4	2.78	1.34	24.4
SWH	SW	11	59.5	78.3	0.4	0.0	0.0	0.0	0.5	0.6	11.7	8.5	7.6	9.7	301	40.0	15.4	2.86	1.40	18.2
SWH	SE	54	61.4	80.7	0.3	0.0	0.0	0.1	0.3	0.4	10.4	9.7	7.7	12.5	318	40.8	26.1	2.87	1.54	20.7
	Crop Year Average																			
SWH	2019	392	61.7	81.1	0.4	0.0	0.0	0.0	0.4	0.5	9.8	10.1			302	36.6	23.6	2.77	1.34	24.0
SWH	2018	473	61.7	80.9	0.5	0.0	0.0	0.0	0.5	0.6	8.6	9.3			315	35.7	27.2	2.77	1.36	20.6
WHCB	NC	81	60.5	79.6	0.8	0.0	0.0	0.0	1.2	1.2	9.1	10.0	7.8	13.0	310	31.6	19.7	2.53	1.28	23.3
WHCB	NE	5	60.3	79.4	0.8	0.0	0.0	0.7	1.6	2.3	8.7	10.6	8.0	12.7	317	26.5	29.6	2.46	1.29	25.2
WHCB	C	3	61.1	80.3	0.5	0.0	0.0	0.0	0.4	0.4	9.6	9.3	8.2	10.7	293	36.2	27.2	2.64	1.30	19.0
	Crop Year Average																			
WHCB	2019	89	60.5	79.6	0.8	0.0	0.0	0.1	1.2	1.2	9.1	10.0			310	31.5	20.5	2.53	1.28	23.3
WHCB	2018	128	61.2	80.5	0.5	0.0	0.0	0.1	0.8	0.9	8.1	9.0			316	32.8	27.9	2.62	1.29	15.8
HRW	NC	30	62.3	81.9	0.5	0.0	0.0	0.0	0.5	0.5	9.8	12.0	10.1	14.8	361	36.2	62.6	2.83	1.34	29.2
HRW	NE	30	63.3	83.2	0.3	0.0	0.0	0.0	0.4	0.4	9.3	10.7	9.4	12.4	337	36.7	62.9	2.90	1.29	23.2
HRW	C	13	62.7	82.4	0.6	0.0	0.0	0.0	0.5	0.6	9.6	12.1	8.4	13.9	330	35.3	63.8	2.84	1.37	28.6
HRW	SE	14	61.9	81.4	0.2	0.0	0.0	0.0	0.5	0.5	9.2	11.7	10.5	13.1	381	35.7	69.8	2.91	1.47	26.7
	Crop Year Average																			
HRW	2019	87	62.6	82.4	0.4	0.0	0.0	0.0	0.4	0.5	9.5	11.5			351	36.2	64.1	2.87	1.35	26.6
HRW	2018	112	62.9	82.7	0.3	0.0	0.0	0.0	0.5	0.5	8.3	11.1			365	36.7	65.3	2.92	1.38	25.1
HRS	NC	19	63.2	83.1	0.5	0.0	0.0	0.0	0.8	0.8	9.5	14.5	12.5	16.2	348	35.5	64.4	2.87	1.60	38.1
HRS	NE	12	62.8	82.6	0.3	0.0	0.0	0.1	0.6	0.6	8.6	14.6	12.9	15.7	398	28.4	72.2	2.66	1.54	35.3
HRS	C	4	63.2	83.1	0.4	0.0	0.8	0.1	0.3	1.1	9.3	14.4	13.2	16.0	362	37.3	64.2	2.93	1.51	38.3
HRS	SE	10	62.8	82.5	0.3	0.0	0.0	0.1	0.7	0.8	11.0	14.8	13.5	15.5	414	33.4	73.4	2.83	1.68	36.6
	Crop Year Average																			
HRS	2019	45	63.0	82.8	0.4	0.0	0.1	0.1	0.7	0.8	9.6	14.6			378	33.3	68.5	2.81	1.60	37.0
HRS	2018	95	62.6	82.3	0.4	0.0	0.0	0.0	0.8	0.8	8.7	14.1			386	32.3	72.2	2.77	1.56	35.0

Distributions

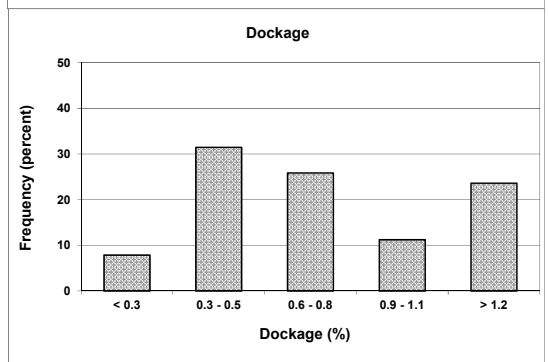
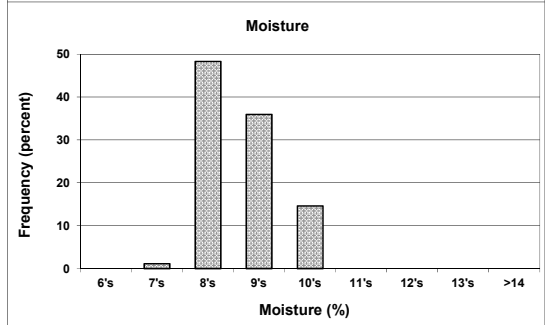
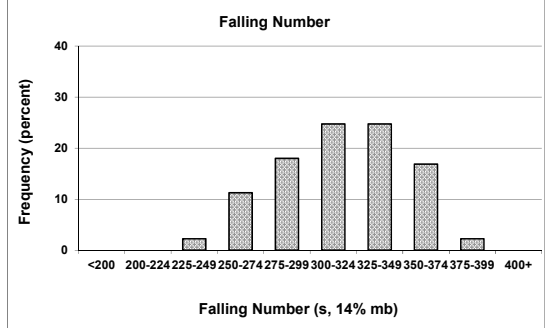
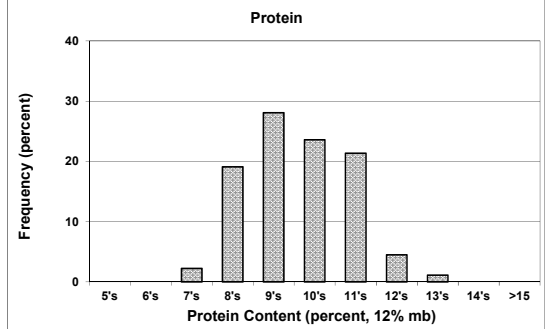
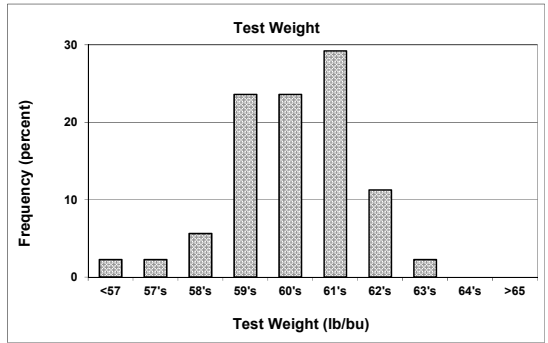
SOFT WHITE WHEAT

392 SAMPLES



WHITE CLUB WHEAT

89 SAMPLE



Prepared by: Wheat Marketing Center, Portland, Oregon