



2020 PACIFIC NORTHWEST CROP QUALITY REPORT

WEEK 3: AUGUST 20, 2020

We received a total of 376 samples by the end of the third week reporting period for the 2020 Pacific Northwest wheat harvest.

Of the 174 wheat samples we received in the third week, 120 were soft white (SWH), 35 were white club (WHCB), 8 were hard red winter (HRW), and 11 were hard red spring (HRS). Sixty-three samples (36%) came from District 8 (East Central Washington), 33 (19%) came from District 10 (Southeastern Washington), 17 (10%) came from Districts 1&2 (Western Oregon), and less than 10% each came from Southwestern Oregon, North Central Oregon, Northeastern Oregon, Western Washington, Northern Idaho, Southwestern Idaho, and Southeastern Idaho.

USDA Economic Statistics Districts (Table 1) showed the following:
Test weight averages for SWH ranged from 58.5 to 63.1 lb/bu (77.1 to 82.9 kg/hl), and dockage ranged from 0.1 to 1.3%. Wheat moisture content averages ranged from 8.3 to 10.4%. Average SWH wheat protein content (12% mb) decreased slightly to 9.7% from 9.9% last week. SWH falling number average value (14% mb) remained the same as the last week at 324 seconds. Thousand kernel weight (14% mb) and kernel size were similar to last year's averages. Average WHCB test weight was higher at 61.8 lb/bu compared with 60.6 lb/bu last year. Average WHCB wheat protein (12% mb) was higher at 10.2% compared with 9.8% last year. Average WHCB falling number value (14% mb) was 318 seconds. HRW averages appeared to have similar test weight, higher moisture, similar protein content, and a higher falling number value when compared to last year. HRS averages appeared to have similar test weight, lower moisture, lower protein, and heavier and larger kernels than last year.

We will 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. Fifty-two percent of this week's samples came from Zone NC, 16% came from Zone C, 11% came from SE, and 10% each came from Zones NE and SW.

As of the third week, SWH had higher test weight (62.1 lb/bu); slightly lower dockage (0.4%), similar grading factors, lower moisture (9.1%), lower protein (9.7%), higher falling number value (324 seconds), similar thousand kernel weight, and similar kernel size when compared to last year.



BY USDA ECONOMIC STATISTICS DISTRICTS

Table 1

2020 CROP WEEK 3: August 20, 2020																					
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	17	58.5	77.1	0.6	0.0	0.1	0.0	0.4	0.5	10.4	8.7	7.3	10.6	318	37.9	28.5	2.88	1.45	19.4	
SWH	3	2	59.0	77.6	1.3	0.0	0.0	0.0	0.5	0.5	10.2	11.3	10.8	11.8	330	41.0	29.9	2.89	1.58	22.6	
SWH	4	26	62.7	82.4	0.5	0.0	0.0	0.0	0.3	0.4	9.0	9.6	7.7	11.9	317	36.6	34.2	2.83	1.29	23.4	
SWH	5	13	62.5	82.1	0.4	0.0	0.0	0.0	0.4	0.4	8.3	9.4	8.1	10.1	324	36.6	31.4	2.83	1.42	23.0	
SWH	6/7	16	62.9	82.7	0.3	0.0	0.0	0.0	0.4	0.4	9.6	10.1	8.8	12.3	318	35.6	34.6	2.72	1.18	25.3	
SWH	8	119	62.1	81.7	0.4	0.0	0.0	0.0	0.4	0.5	8.9	9.9	7.0	12.7	327	35.1	32.9	2.74	1.25	24.5	
SWH	10	32	62.6	82.3	0.3	0.0	0.1	0.0	0.3	0.4	8.8	9.9	8.1	12.1	329	37.4	30.4	2.85	1.37	23.1	
SWH	11	11	63.1	82.9	0.3	0.0	0.0	0.0	0.4	0.4	10.1	8.6	7.7	9.8	324	37.5	29.7	2.79	1.33	18.9	
SWH	12	6	61.7	81.1	0.3	0.0	0.3	0.0	0.3	0.6	9.7	9.9	8.5	10.8	290	42.7	28.2	2.93	1.56	23.2	
SWH	14	6	62.3	81.8	0.1	0.0	0.0	0.0	0.4	0.4	8.7	9.4	8.8	10.9	318	35.7	30.4	2.69	1.52	19.6	
	Crop Year Average																				
SWH	2020	248	62.1	81.6	0.4	0.0	0.0	0.0	0.4	0.4	9.1	9.7			324	36.2	32.1	2.78	1.31	23.4	
SWH	2019	438	61.6	81.0	0.5	0.0	0.0	0.0	0.5	0.5	9.9	10.0			307	36.4	23.4	2.77	1.35	23.9	
WHCB	5	2	58.2	76.5	0.7	0.0	0.5	0.1	0.8	1.3	9.1	11.5	10.2	12.8	357	25.4	32.0	2.51	1.50	22.7	
WHCB	6/7	4	61.6	81.0	0.4	0.0	0.0	0.0	0.8	0.8	8.7	11.0	9.9	12.0	290	33.5	33.6	2.62	1.28	15.1	
WHCB	8	55	62.0	81.5	0.4	0.0	0.0	0.0	0.7	0.8	8.3	10.0	6.6	12.5	315	33.1	31.6	2.62	1.25	18.8	
WHCB	10	2	61.5	80.8	1.2	0.0	0.0	0.1	1.3	1.4	8.4	11.7	11.4	11.9	415	30.6	39.4	2.63	1.63	15.8	
	Crop Year Average																				
WHCB	2020	63	61.8	81.3	0.5	0.0	0.0	0.0	0.8	0.8	8.3	10.2			318	32.8	32.0	2.62	1.27	18.6	
WHCB	2019	113	60.6	79.7	0.8	0.0	0.0	0.1	1.2	1.2	9.3	9.8			314	31.0	21.2	2.54	1.29	21.5	
HRW	4	3	61.8	81.3	0.4	0.0	0.0	0.0	0.5	0.5	8.3	11.9	11.7	12.1	359	33.1	70.7	2.84	1.39	27.9	
HRW	6/7	9	63.4	83.4	0.2	0.0	0.0	0.0	0.5	0.5	9.4	11.9	10.1	14.3	352	31.8	73.7	2.66	1.32	27.7	
HRW	8	19	62.9	82.6	0.3	0.0	0.0	0.0	0.4	0.4	9.3	11.6	9.0	13.2	356	39.0	66.9	2.96	1.37	27.7	
HRW	10	3	63.6	83.6	0.3	0.0	0.0	0.0	0.8	0.8	9.3	11.2	9.3	12.8	333	34.2	60.3	2.81	1.40	24.7	
HRW	12	1	63.1	82.9	0.2	0.0	0.0	0.0	0.4	0.4	10.4	11.0	11.0	11.0	335	33.6	77.3	2.66	1.48	27.4	
HRW	14	4	62.5	82.2	0.0	0.0	0.0	0.0	0.4	0.5	10.2	11.1	10.3	11.5	349	37.4	70.0	2.93	1.45	26.5	
	Crop Year Average																				
HRW	2020	39	62.9	82.7	0.3	0.0	0.0	0.0	0.4	0.5	9.4	11.6			352	36.2	68.9	2.86	1.37	27.3	
HRW	2019	105	62.6	82.2	0.4	0.0	0.0	0.1	0.5	0.6	9.6	11.4			346	36.2	63.4	2.87	1.34	25.9	
HRS	4	2	62.8	82.5	0.3	0.0	0.0	0.0	0.3	0.3	8.2	13.8	13.1	14.5	363	38.1	66.0	2.91	1.53	34.2	
HRS	5	4	61.6	81.0	1.1	0.0	0.7	0.0	0.3	1.0	9.0	13.5	13.2	13.7	350	34.3	71.0	2.83	1.68	32.7	
HRS	6/7	4	62.9	82.7	0.2	0.0	0.2	0.0	0.4	0.6	8.9	14.2	13.7	14.5	360	34.9	69.3	2.86	1.61	38.3	
HRS	8	10	62.7	82.4	0.4	0.0	0.1	0.0	0.5	0.6	9.1	13.8	11.9	15.9	386	34.1	71.0	2.79	1.62	35.0	
HRS	10	4	64.0	84.0	0.2	0.0	0.0	0.0	0.4	0.4	8.9	14.4	12.7	15.2	369	35.0	69.0	2.87	1.50	40.1	
HRS	12	1	64.1	84.2	0.1	0.0	0.0	0.0	0.1	0.1	9.2	14.2	14.2	14.2	349	34.7	68.6	2.91	1.62	45.0	
	Crop Year Average																				
HRS	2020	25	62.8	82.6	0.4	0.0	0.2	0.0	0.4	0.6	9.0	13.9			370	34.7	69.9	2.84	1.60	36.3	
HRS	2019	58	63.0	82.8	0.4	0.0	0.1	0.0	0.6	0.7	9.7	14.4			369	32.8	69.0	2.79	1.57	36.6	



BY PRODUCTION ZONES

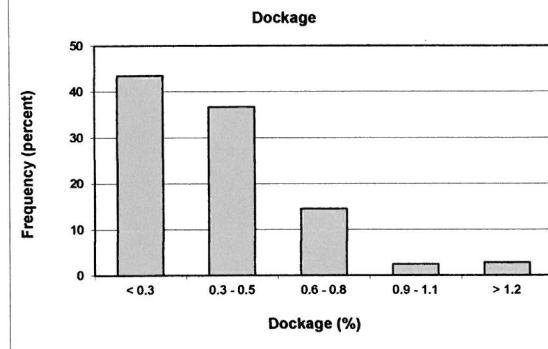
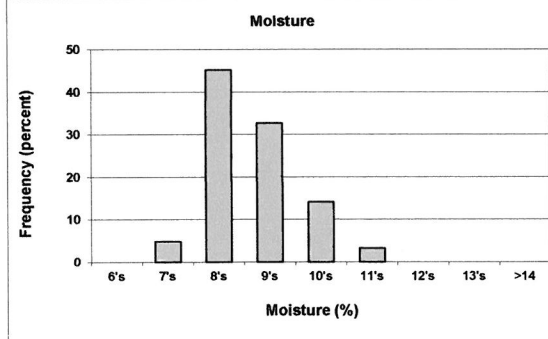
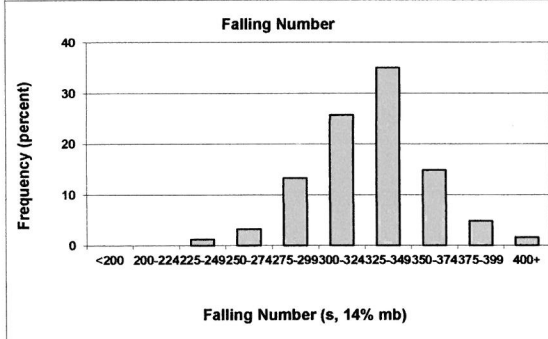
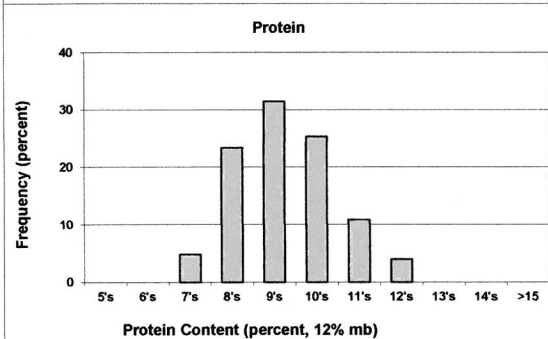
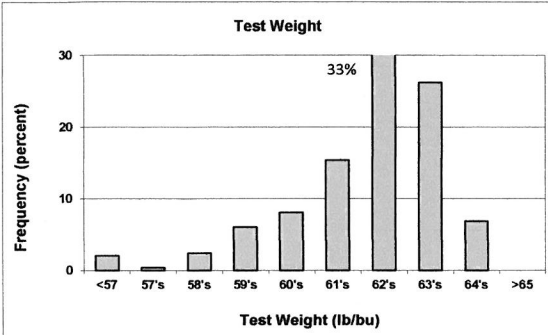
Table 2

2020 CROP WEEK 3: August 20, 2020																				
		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	155	62.2	81.8	0.4	0.0	0.0	0.0	0.4	0.5	8.9	9.9	7.0	12.7	331	35.3	32.5	2.75	1.27	24.3
SWH	NE	18	63.3	83.2	0.3	0.0	0.0	0.0	0.3	0.4	9.9	9.0	7.7	10.2	327	39.2	31.0	2.83	1.32	20.1
SWH	C	44	62.7	82.4	0.5	0.0	0.0	0.0	0.3	0.4	8.8	9.6	7.7	11.9	319	36.5	33.5	2.82	1.32	23.6
SWH	SW	17	58.5	77.1	0.6	0.0	0.1	0.0	0.4	0.5	10.4	8.7	7.3	10.6	318	37.9	28.5	2.88	1.45	19.4
SWH	SE	14	61.5	80.9	0.4	0.0	0.2	0.0	0.3	0.5	9.4	9.9	8.5	11.8	306	39.5	29.4	2.82	1.55	21.6
	Crop Year Average																			
SWH	2020	248	62.1	81.6	0.4	0.0	0.0	0.0	0.4	0.4	9.1	9.7			324	36.2	32.1	2.78	1.31	23.4
SWH	2019	438	61.6	81.0	0.5	0.0	0.0	0.0	0.5	0.5	9.9	10.0			307	36.4	23.4	2.77	1.35	23.9
WHCB	NC	59	62.0	81.5	0.4	0.0	0.0	0.0	0.8	0.8	8.3	10.1	6.6	12.5	318	33.0	32.0	2.62	1.26	18.5
WHCB	C	4	59.8	78.7	0.5	0.0	0.2	0.0	0.7	1.0	8.9	11.2	9.9	12.8	301	29.3	32.5	2.56	1.37	19.8
	Crop Year Average																			
WHCB	2020	63	61.8	81.3	0.5	0.0	0.0	0.0	0.8	0.8	8.3	10.2			318	32.8	32.0	2.62	1.27	18.6
WHCB	2019	113	60.6	79.7	0.8	0.0	0.0	0.1	1.2	1.2	9.3	9.8			314	31.0	21.2	2.54	1.29	21.5
HRW	NC	28	63.1	82.9	0.3	0.0	0.0	0.0	0.4	0.5	9.3	11.7	9.0	14.3	349	37.4	67.1	2.89	1.36	27.3
HRW	C	6	62.6	82.2	0.3	0.0	0.0	0.0	0.5	0.5	8.9	11.8	11.1	12.8	370	30.7	75.2	2.68	1.37	28.0
HRW	SE	5	62.6	82.3	0.1	0.0	0.0	0.0	0.4	0.4	10.2	11.1	10.3	11.5	346	36.6	71.4	2.87	1.46	26.7
	Crop Year Average																			
HRW	2020	39	62.9	82.7	0.3	0.0	0.0	0.0	0.4	0.5	9.4	11.6			352	36.2	68.9	2.86	1.37	27.3
HRW	2019	105	62.6	82.2	0.4	0.0	0.0	0.1	0.5	0.6	9.6	11.4			346	36.2	63.4	2.87	1.34	25.9
HRS	NC	17	62.9	82.7	0.3	0.0	0.1	0.0	0.5	0.6	9.0	14.1	11.9	15.9	380	34.0	70.6	2.81	1.60	36.8
HRS	C	7	62.4	82.0	0.7	0.0	0.4	0.0	0.3	0.6	8.9	13.6	13.1	14.5	348	36.6	68.4	2.89	1.61	33.8
HRS	SE	1	64.1	84.2	0.1	0.0	0.0	0.0	0.1	0.1	9.2	14.2	14.2	14.2	349	34.7	68.6	2.91	1.62	45.0
	Crop Year Average																			
HRS	2020	25	62.8	82.6	0.4	0.0	0.2	0.0	0.4	0.6	9.0	13.9			370	34.7	69.9	2.84	1.60	36.3
HRS	2019	58	63.0	82.8	0.4	0.0	0.1	0.0	0.6	0.7	9.7	14.4			369	32.8	69.0	2.79	1.57	36.6

Distributions

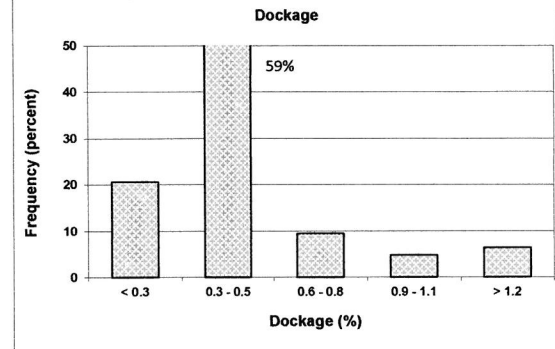
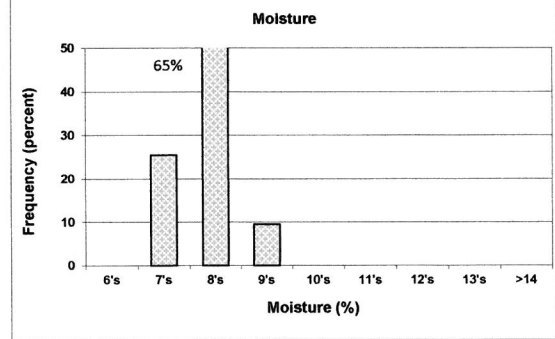
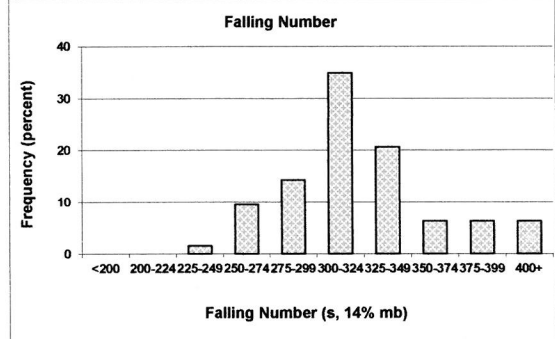
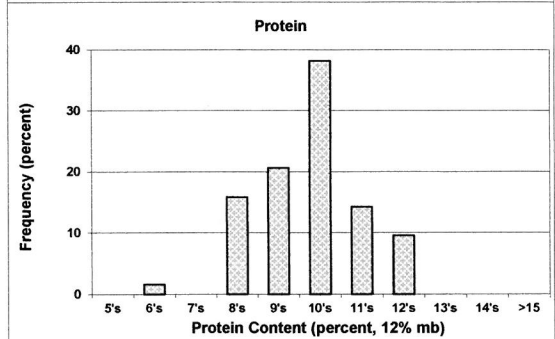
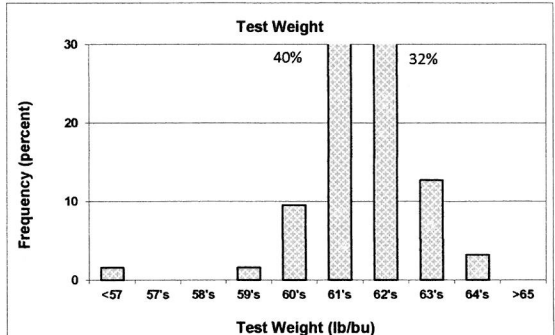
SOFT WHITE WHEAT

248 SAMPLES



WHITE CLUB WHEAT

63 SAMPLE



Prepared by: Wheat Marketing Center, Portland, Oregon