



2019 PACIFIC NORTHWEST CROP QUALITY REPORT

WEEK 2: August 8, 2019

By the end of the second week reporting period for the 2019 Pacific Northwest wheat harvest, we received a total of 99 samples.

Of the 86 wheat samples we received in the second week, 51 were soft white (SWH), 2 were white club (WHCB), 24 were hard red winter (HRW), and 8 were hard red spring (HRS). Twenty-one samples (24%) came from District 8 (East Central Washington), 20 (23%) came from Districts 6/7 (Western Washington), 18 (21%) came from District 10 (Southeastern Washington), 17 (20%) came from District 11 (Northern Idaho), and less than 10 each came from Districts 4 (North Central Oregon) and 5 (Northeastern Oregon).

USDA Economic Statistics Districts (Table 1) showed the following: Test weights for SWH ranged from 60.4 to 62.4 lb/bu (79.5 to 82.0 kg/hl). Dockage ranged from 0.2 to 0.6%. Wheat moisture content ranged from 9.8 to 10.7%. Average SWH wheat protein content (12% mb) remain the same as last week at 10.5%. SWH falling number average value (14% mb) was 316 seconds. Thousand kernel weight (14% mb) and kernel size indicated slightly lighter and slightly smaller kernels when compared to last year's averages, respectively. There is no comment on WHCB because only two samples were received this week. For HRW samples, averages indicated higher test weight, higher kernel moisture, similar protein content, lower falling number value, and similar kernel characteristics when compared to last year. With the limited number of HRS samples, wheat quality was better with higher test weight, higher protein, heavier and larger kernels, and good falling number value when compared to last year's averages.

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. This week samples came from Zones NC (41%), NE (31%), and C (28%).

Although the average SWH protein (12% mb) was 10.5% at the end of second week, it is still too early to determine this year's average protein, especially since we have not received samples from all areas of PNW.



BY USDA ECONOMIC STATISTICS DISTRICTS

Table 1

2019 CROP WEEK 2 August 8, 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	4	15	61.6	81.0	0.4	0.0	0.0	0.0	0.4	0.4	10.5	10.3	9.0	11.7	298	36.0	19.7	2.75	1.33	25.1
SWH	5	4	60.6	79.7	0.2	0.0	0.0	0.1	0.4	0.5	10.1	10.0	8.8	10.7	317	36.7	23.3	2.78	1.46	23.9
SWH	6/7	7	60.4	79.5	0.6	0.0	0.0	0.4	0.7	1.1	10.7	10.8	9.2	13.6	332	32.7	24.0	2.60	1.23	25.9
SWH	8	13	61.1	80.4	0.5	0.0	0.1	0.0	0.5	0.6	9.8	10.9	9.1	12.3	317	35.1	25.2	2.70	1.34	26.8
SWH	10	13	62.4	82.0	0.3	0.0	0.0	0.0	0.5	0.5	9.9	10.4	8.7	11.9	320	35.2	25.5	2.76	1.37	25.0
SWH	11	10	62.4	82.0	0.2	0.0	0.0	0.0	0.3	0.4	10.7	10.5	9.8	11.0	321	34.2	25.3	2.73	1.46	26.1
	Crop Year Average																			
SWH	2019	62	61.6	81.0	0.4	0.0	0.0	0.1	0.5	0.5	10.2	10.5			316	35.0	23.7	2.72	1.36	25.6
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	6/7	2	59.1	77.8	0.5	0.0	0.0	0.1	1.1	1.2	10.0	9.1	8.2	10.0	267	34.4	16.7	2.57	1.30	18.5
	Crop Year Average																			
WHCB	2019	2	59.1	77.8	0.5	0.0	0.0	0.1	1.1	1.2	10.0	9.1			267	34.4	16.7	2.57	1.30	18.5
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	2	60.9	80.1	1.0	0.0	0.0	0.1	0.4	0.4	9.4	10.5	8.4	12.6	292	30.2	61.6	2.65	1.36	23.6
HRW	5	1	63.8	83.8	0.2	0.0	0.3	0.0	0.1	0.4	9.8	12.4	12.4	12.4	300	40.4	68.5	3.01	1.62	32.8
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	4	63.0	82.8	0.2	0.0	0.0	0.0	0.3	0.3	10.3	11.5	10.4	13.1	382	38.1	67.0	2.87	1.33	28.0
HRW	10	5	63.2	83.1	0.3	0.0	0.0	0.0	0.8	0.8	10.0	11.0	9.7	12.6	324	37.3	63.6	2.88	1.30	23.8
HRW	11	7	63.6	83.6	0.3	0.0	0.0	0.0	0.4	0.4	9.7	10.5	9.5	11.6	324	38.7	60.2	2.94	1.33	23.0
	Crop Year Average																			
HRW	2019	27	63.1	82.9	0.3	0.0	0.0	0.0	0.4	0.4	10.2	11.2			342	37.5	65.1	2.87	1.32	26.5
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	6/7	3	63.2	83.1	0.5	0.0	0.0	0.0	0.4	0.4	10.0	14.2	13.9	14.4	407	37.1	65.8	2.91	1.39	36.9
HRS	8	4	64.7	85.0	0.2	0.0	0.0	0.0	0.1	0.1	9.9	15.5	14.6	16.1	351	38.4	59.7	2.95	1.65	39.1
	Crop Year Average																			
HRS	2019	7	64.1	84.2	0.3	0.0	0.0	0.0	0.2	0.2	10.0	15.0			375	37.8	62.3	2.94	1.54	38.2
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

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BY PRODUCTION ZONES

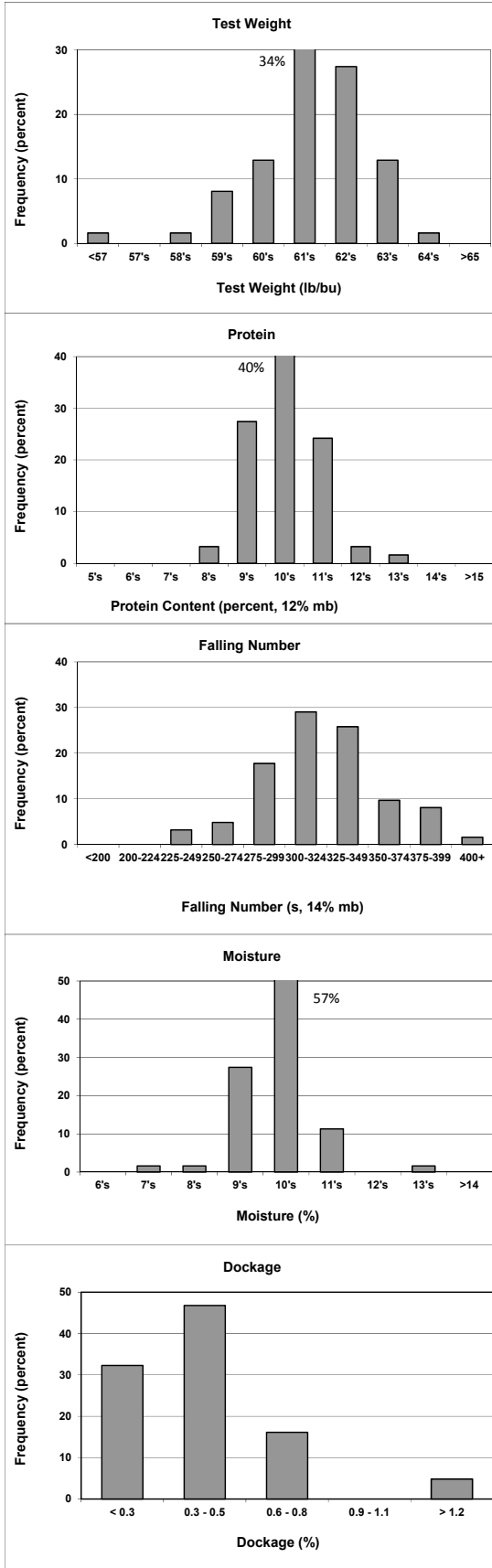
Table 2

2019 CROP WEEK 2 August 8, 2019																				
		Grading Data										Quality Data								
Class	District	Number of Samples	Test Weight (lb/bu)	Test Weight (kg/ht)	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	17	60.8	80.0	0.6	0.0	0.0	0.0	0.6	0.6	10.1	11.1	9.1	13.6	335	34.2	24.7	2.67	1.33	27.3
SWH	NE	17	62.7	82.4	0.2	0.0	0.0	0.0	0.4	0.4	10.4	10.4	9.4	11.0	315	34.9	26.0	2.74	1.39	25.7
SWH	C	28	61.4	80.8	0.4	0.0	0.0	0.1	0.4	0.6	10.3	10.2	8.7	11.9	309	35.6	21.7	2.74	1.36	24.6
	Crop Year Average																			
SWH	2019	62	61.6	81.0	0.4	0.0	0.0	0.1	0.5	0.5	10.2	10.5			316	35.0	23.7	2.72	1.36	25.6
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	1	59.1	77.8	0.5	0.0	0.0	0.1	1.6	1.7	10.2	10.0	10.0	10.0	256	32.6	16.1	2.50	1.23	22.8
WHCB	C	1	59.1	77.8	0.5	0.0	0.0	0.0	0.6	0.6	9.7	8.2	8.2	8.2	279	36.2	17.3	2.65	1.36	14.2
	Crop Year Average																			
WHCB	2019	2	59.1	77.8	0.5	0.0	0.0	0.1	1.1	1.2	10.0	9.1			267	34.4	16.7	2.57	1.30	18.5
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	10	62.9	82.6	0.3	0.0	0.0	0.0	0.3	0.3	10.7	11.8	10.4	13.1	377	37.4	69.5	2.83	1.32	30.2
HRW	NE	10	63.6	83.6	0.2	0.0	0.0	0.0	0.4	0.4	9.9	10.5	9.5	11.6	324	39.2	60.9	2.95	1.32	22.6
HRW	C	7	62.7	82.4	0.5	0.0	0.0	0.0	0.6	0.7	9.8	11.5	8.4	12.6	315	35.3	64.8	2.81	1.33	26.6
	Crop Year Average																			
HRW	2019	27	63.1	82.9	0.3	0.0	0.0	0.0	0.4	0.4	10.2	11.2			342	37.5	65.1	2.87	1.32	26.5
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	7	64.1	84.2	0.3	0.0	0.0	0.0	0.2	0.2	10.0	15.0	13.9	16.1	373	37.8	62.3	2.94	1.54	38.2
	Crop Year Average																			
HRS	2019	7	64.1	84.2	0.3	0.0	0.0	0.0	0.2	0.2	10.0	15.0			375	37.8	62.3	2.94	1.54	38.2
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

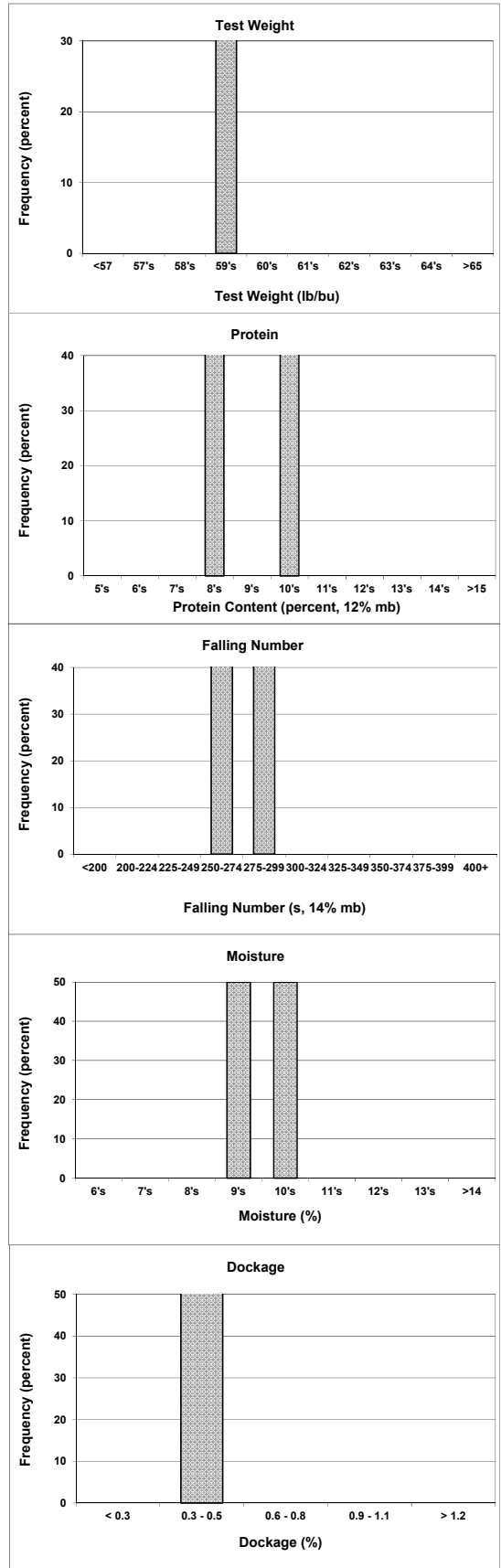
SOFT WHITE WHEAT

51 SAMPLES



WHITE CLUB WHEAT

2 SAMPLE



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