



2018 PACIFIC NORTHWEST CROP QUALITY REPORT

WEEK 1: August 2, 2018

Please remember that this data is based on a small number of samples.

The 2018 Pacific Northwest wheat harvest has begun. For the first week report, we received 69 samples.

Of the 69 wheat samples, 39 were soft white (SWH), 6 were white club (WHCB), 17 were hard red winter (HRW), and 7 were hard red spring (HRS).

Please take extreme caution in any extrapolation of these data since the sample numbers are limited.

Twenty-seven samples (39%) came from District 8 (East Central Washington), 19 (28%) came from District 10 (Southeastern Washington), 12 (17%) came from Districts 6\7 (Western Washington), and a few samples each came from Districts 1\2 (Western Oregon), 4 (North Central Oregon), and 5 (Northeastern Oregon).

USDA Economic Statistics Districts (Table 1) data showed the following:

Test weights for SWH ranged from 61.3 to 62.4 lb/bu (80.6 to 82.0 kg/hl) and dockages were 0.2% and 0.3%. Wheat moisture contents ranged from 8.1 to 10.3%. Average SWH wheat protein content (12% mb) was 9.4% this week. SWH falling number average value (14% mb) was 305 seconds. For the small number of WHCB samples received for the first week, good FGIS grading factors, low moisture content at 7.7%, high protein content (12% mb) at 10.5%, and less thousand kernel weight compared to last year's average. HRW and HRS limited number of samples showed higher test weights, lower protein contents (12% mb), lower falling number values, and slightly larger kernel size compared to last year's averages for the first week.

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 Zone NC (77%), Zone C (20%), and Zone SW (3%).

Although the average SWH protein (12% mb) was 9.4%, the lowest was 7.5% and the highest was 12.9%.

Please remember that this data is based on a small number of samples.



BY USDA ECONOMIC STATISTICS DISTRICTS

Table 1

2018 CROP WEEK 1, August 2, 2018																				
			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	112	2	61.9	81.4	0.3	0.0	0.0	0.0	0.5	0.5	10.3	7.9	7.5	8.2	327	38.8	19.4	2.89	1.36	18.0
SWH	4	6	61.3	80.6	0.2	0.0	0.2	0.0	0.4	0.5	8.5	9.6	8.2	12.9	338	33.6	27.3	2.77	1.38	23.1
SWH	5	3	61.7	81.1	0.3	0.0	0.2	0.1	0.5	0.8	8.3	9.3	8.1	11.4	308	37.5	23.6	2.87	1.42	21.8
SWH	617	2	61.6	80.9	0.2	0.0	0.2	0.0	0.4	0.6	8.6	11.1	10.4	11.7	334	32.9	28.6	2.68	1.28	26.5
SWH	8	11	61.5	80.9	0.2	0.0	0.1	0.0	0.7	0.8	8.5	9.6	7.9	12.2	292	31.6	26.0	2.67	1.33	22.0
SWH	10	15	62.4	82.0	0.3	0.0	0.0	0.0	0.4	0.4	8.1	9.2	8.1	10.3	296	33.9	26.5	2.78	1.33	20.2
	Crop Year Average																			
SWH	2018	39	61.8	81.3	0.3	0.0	0.1	0.0	0.5	0.6	8.4	9.4			305	33.7	26.0	2.76	1.34	21.5
SWH	2017	512	60.9	80.0	0.5	0.0	0.0	0.1	0.5	0.6	8.9	9.6			335	35.5	30.1	2.75	1.32	20.2
WHCB	617	3	59.4	78.2	0.4	0.0	0.0	0.0	1.3	1.4	7.6	11.4	10.2	13.6	301	28.9	27.6	2.50	1.44	23.3
WHCB	8	2	60.4	79.5	0.6	0.0	0.0	0.0	0.8	0.8	7.5	9.1	7.5	10.7	280	32.4	26.3	2.62	1.29	19.6
WHCB	10	1	61.9	81.4	0.4	0.0	0.1	0.0	2.2	2.3	8.2	10.7	10.7	10.7	381	24.4	39.2	2.49	1.40	20.3
	Crop Year Average																			
WHCB	2018	6	60.2	79.2	0.5	0.0	0.0	0.0	1.3	1.3	7.7	10.5			307	29.3	29.1	2.54	1.38	21.6
WHCB	2017	96	60.2	79.2	0.5	0.0	0.0	0.0	1.0	1.1	8.3	9.4			348	32.5	30.6	2.56	1.27	17.1
HRW	617	4	62.9	82.7	0.2	0.0	0.1	0.0	0.5	0.5	9.4	10.7	9.3	12.1	312	33.3	70.5	2.78	1.43	20.9
HRW	8	10	63.1	83.0	0.3	0.0	0.0	0.0	0.4	0.5	8.7	11.5	10.1	13.0	333	34.9	71.0	2.85	1.44	28.9
HRW	10	3	62.5	82.2	0.2	0.0	0.0	0.0	0.3	0.3	8.5	10.4	9.9	10.7	342	36.5	62.6	2.92	1.24	22.7
	Crop Year Average																			
HRW	2018	17	63.0	82.8	0.2	0.0	0.0	0.0	0.4	0.4	8.9	11.1			330	34.8	69.4	2.85	1.40	25.9
HRW	2017	93	62.4	82.0	0.4	0.0	0.0	0.0	0.5	0.5	8.4	11.5			387	35.3	69.7	2.82	1.34	24.8
HRS	617	3	64.7	85.0	0.2	0.0	0.0	0.0	0.2	0.2	8.9	14.2	13.1	15.0	332	36.1	65.9	2.93	1.61	38.6
HRS	8	4	63.3	83.2	0.2	0.0	0.2	0.0	0.4	0.6	9.1	13.8	12.0	15.4	355	35.0	68.9	2.84	1.62	31.7
	Crop Year Average																			
HRS	2018	7	63.9	84.0	0.2	0.0	0.1	0.0	0.3	0.4	9.0	13.9			345	35.4	67.6	2.88	1.62	34.7
HRS	2017	74	62.2	81.7	0.4	0.0	0.1	0.0	0.8	0.9	9.1	14.6			384	33.0	72.3	2.81	1.52	35.4



BY PRODUCTION ZONES

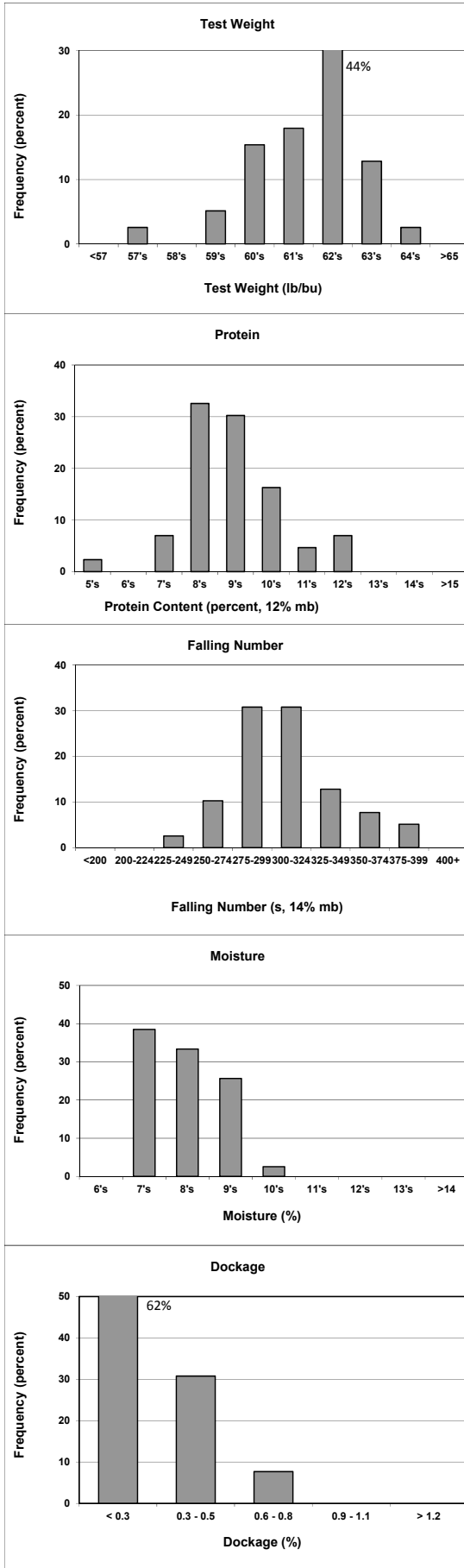
Table 2

2018 CROP WEEK 1, August 2, 2018																				
			Grading Data								Quality Data									
Class	District	Number of Samples	Test Weight (tbbu)	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	26	62.0	81.6	0.3	0.0	0.1	0.0	0.5	0.6	8.3	9.4	7.9	12.2	296	32.9	26.3	2.74	1.33	21.0
SWH	C	11	61.4	80.8	0.2	0.0	0.2	0.0	0.4	0.6	8.5	9.8	8.1	12.9	328	34.5	26.5	2.78	1.37	23.3
SWH	SW	2	61.9	81.4	0.3	0.0	0.0	0.0	0.5	0.5	10.3	7.9	7.5	8.2	327	38.8	19.4	2.89	1.36	18.0
	Crop Year Average																			
SWH	2018	39	61.8	81.3	0.3	0.0	0.1	0.0	0.5	0.6	8.4	9.4			305	33.7	26.0	2.76	1.34	21.5
SWH	2017	512	60.9	80.0	0.5	0.0	0.0	0.1	0.5	0.6	8.9	9.6			335	35.5	30.1	2.75	1.32	20.2
WHCB	NC	6	60.2	79.2	0.5	0.0	0.0	0.0	1.3	1.3	7.7	10.5	7.5	13.6	303	29.3	29.1	2.54	1.38	21.6
	Crop Year Average																			
WHCB	2018	6	60.2	79.2	0.5	0.0	0.0	0.0	1.3	1.3	7.7	10.5			307	29.3	29.1	2.54	1.38	21.6
WHCB	2017	96	60.2	79.2	0.5	0.0	0.0	0.0	1.0	1.1	8.3	9.4			348	32.5	30.6	2.56	1.27	17.1
HRW	NC	14	63.0	82.8	0.2	0.0	0.0	0.0	0.4	0.4	8.7	11.2	9.9	13.0	335	35.5	69.0	2.89	1.41	26.8
HRW	C	3	62.9	82.6	0.2	0.0	0.0	0.0	0.5	0.5	9.7	10.9	9.3	12.1	306	31.6	71.3	2.66	1.36	21.9
	Crop Year Average																			
HRW	2018	17	63.0	82.8	0.2	0.0	0.0	0.0	0.4	0.4	8.9	11.1			330	34.8	69.4	2.85	1.40	25.9
HRW	2017	93	62.4	82.0	0.4	0.0	0.0	0.0	0.5	0.5	8.4	11.5			387	35.3	69.7	2.82	1.34	24.8
HRS	NC	7	63.9	84.0	0.2	0.0	0.1	0.0	0.3	0.4	9.0	13.9	12.0	15.4	345	35.4	67.6	2.88	1.62	34.7
	Crop Year Average																			
HRS	2018	7	63.9	84.0	0.2	0.0	0.1	0.0	0.3	0.4	9.0	13.9			345	35.4	67.6	2.88	1.62	34.7
HRS	2017	74	62.2	81.7	0.4	0.0	0.1	0.0	0.8	0.9	9.1	14.6			384	33.0	72.3	2.81	1.52	35.4

Distributions

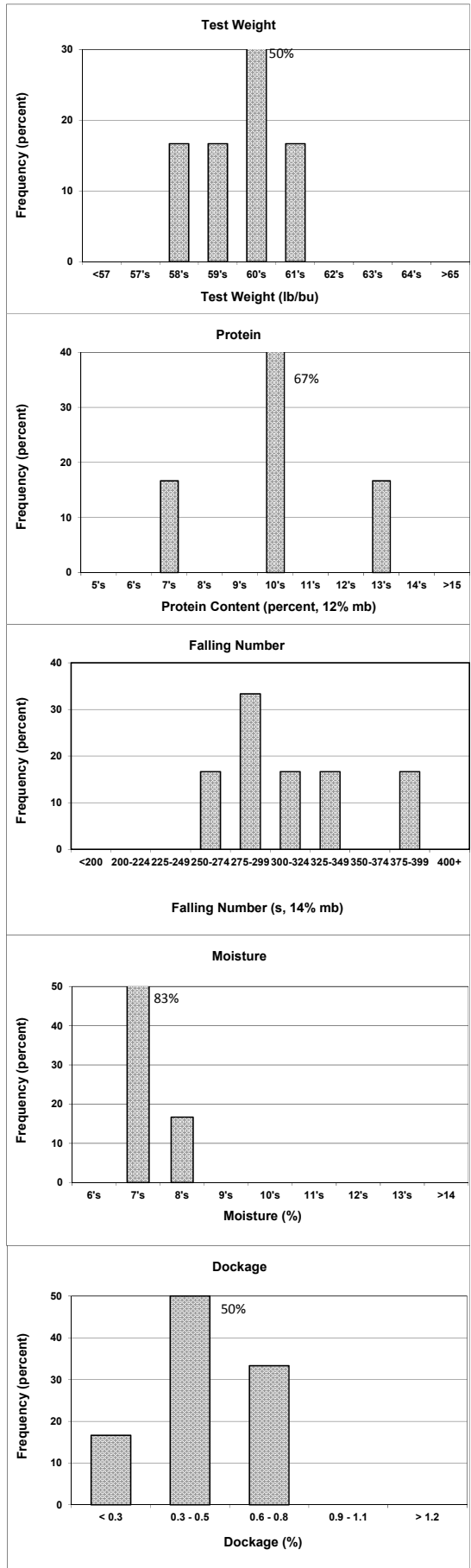
SOFT WHITE WHEAT

39 SAMPLES



WHITE CLUB WHEAT

6 SAMPLE



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