



2024 PACIFIC NORTHWEST CROP QUALITY REPORT

WEEK 3: August 15, 2024

We received and processed a total of 296 samples by the end of the third week reporting period for the 2024 Pacific Northwest wheat harvest.

SAMPLE DISTRIBUTION –

114 wheat samples were received in the third week – 87 soft white (SWH), 4 white club (WHCB), 17 hard red winter (HRW), and 6 hard red spring (HRS). 28 samples (25%) were from District 10, 25 (22%) were from District 8, 20 samples (18%) were from District 11, 19 samples (17%) were from District 4, 16 samples (14%) were from District 5, and less than 10% each were from Districts 1\2 and 6\7. (Please refer to page 2 - USDA Economic Statistics Districts Map.)

USDA ECONOMIC STATISTICS DISTRICTS (TABLE 1) DATA –

SWH – Average **test weight** was 61.1 lb/bu (80.3 kg/hl), slightly higher than the 5-year average of 60.8 lb/bu (80.0 kg/hl). Average **dockage** was 0.5%. Average **wheat moisture** content was 8.5%, lower than the 5-year average of 9.2%. Average **wheat protein** content (12% mb) was 9.2%, the same as the last week and lower than the 5-year average of 10.3%. Average **falling number** value (14% mb) was 322 seconds, lower than the 5-year average of 330 seconds. Average **thousand kernel weight** (14% mb) was 34.5 g, higher than the 5-year average of 33.8 g. Average **kernel size** was 2.71 mm, similar to the 5-year average of 2.69 mm.

WHCB – Average **test weight** was 60.9 lb/bu (80.1 kg/hl), slightly higher than the 5-year average of 60.6 lb/bu (79.8 kg/hl). Average **wheat protein** content (12% mb) was 9.1%, slightly higher than last week but lower than the 5-year average of 10.4%. Average **falling number** value (14% mb) was 323 seconds, lower than the 5-year average of 333 seconds. Average **thousand kernel weight** (14% mb) was 32.0 g, higher than the 5-year average of 30.1 g. Average **kernel size** was 2.63 mm, larger than the 5-year average of 2.52 mm.

HRW – Average **test weight** was 61.6 lb/bu (81.0 kg/hl), similar to the 5-year average of 61.6 lb/bu (80.9 kg/hl). Average **wheat protein** content (12% mb) was 10.7%, lower than the 5-year average of 11.7%. **Thousand kernel weight** (14% mb) and **kernel size** were both higher than the 5-year averages.

HRS – Average **test weight** was 61.8 lb/bu (81.3 kg/hl), the same as the 5-year average. Average **wheat protein** content (12% mb) was 14.0%, lower than the 5-year average of 14.7%. **Thousand kernel weight** (14% mb) and **kernel size** were both higher than the 5-year averages.

PACIFIC NORTHWEST WHEAT PRODUCTION ZONES (TABLE 2) DATA –

Forty-two percent of this week's samples were from Zone NE, 32% were from Zone C, 24% were from Zone NC and 3% were from Zone SW. (Please refer to page 4 – Pacific Northwest Wheat Production Zones Map.)

SWH – Average **wheat protein** content (12% mb) was highest for Zone NC at 9.7%, followed by Zone NE at 9.3%, Zone SW at 9.0%, and the lowest was for Zone C at 8.6%.



BY USDA ECONOMIC STATISTICS DISTRICTS

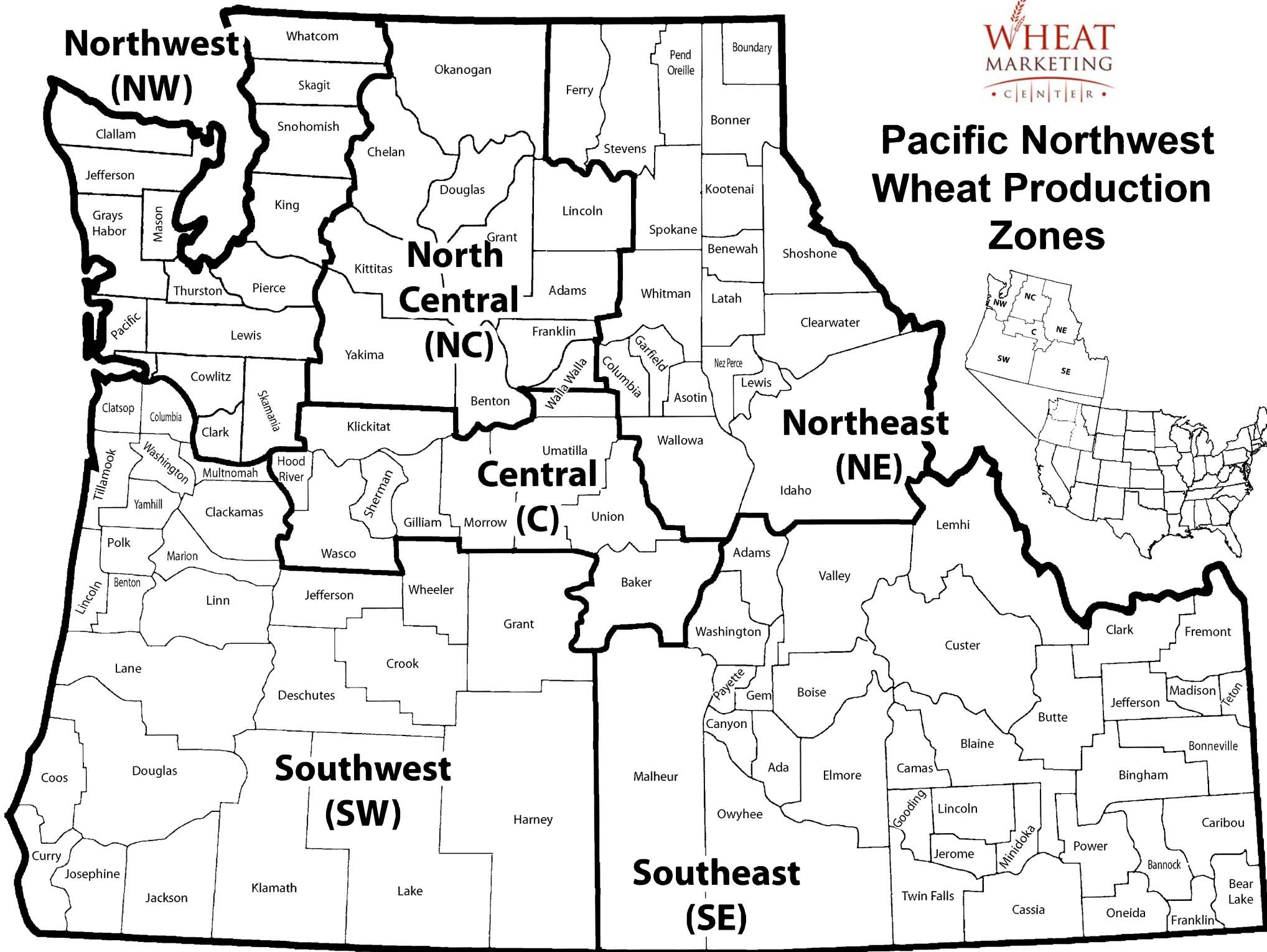
Table 1

2024 CROP WEEK 3: August 15, 2024

			Grading Data								Quality Data									
Class	District	Number of Samples	Test Weight (lb/ibu)	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	1/2	6	60.4	79.5	0.7	0.0	0.0	0.2	0.8	1.0	10.9	8.5	7.9	9.7	329	39.5	23.7	2.86	1.38	18.1
SWH	3	1	59.7	78.6	0.4	0.0	0.0	0.0	0.6	0.6	8.7	12.1	12.1	12.1	331	30.1	28.9	2.57	1.46	28.3
SWH	4	39	60.5	79.5	0.5	0.0	0.0	0.1	0.5	0.5	8.6	8.4	6.3	11.4	301	34.1	18.6	2.71	1.31	15.9
SWH	5	26	61.2	80.5	0.4	0.0	0.0	0.0	0.5	0.5	9.0	9.0	7.1	10.6	319	38.0	20.4	2.81	1.41	17.4
SWH	6/7	12	61.4	80.8	0.5	0.0	0.0	0.0	0.6	0.6	9.0	9.2	7.7	11.5	309	36.2	25.8	2.75	1.24	19.2
SWH	8	35	61.2	80.5	0.5	0.0	0.0	0.0	0.7	0.7	8.3	9.9	8.6	11.7	327	34.3	28.1	2.67	1.25	25.0
SWH	10	69	61.3	80.6	0.4	0.0	0.0	0.1	0.4	0.5	7.9	9.1	6.9	12.7	321	33.6	27.2	2.69	1.30	19.2
SWH	11	32	61.1	80.4	0.4	0.0	0.0	0.0	0.6	0.6	8.4	9.6	7.0	13.0	351	32.6	24.2	2.65	1.36	22.9
	Crop Year Average																			
SWH	2024	220	61.1	80.3	0.5	0.0	0.0	0.1	0.5	0.6	8.5	9.2			322	34.5	24.4	2.71	1.32	19.9
SWH	2023	385	60.2	79.2	0.4	0.0	0.0	0.1	0.7	0.8	9.1	11.0			334	32.5	20.7	2.62	1.39	25.8
SWH	5-year average	398	60.8	80.0	0.5	0.0	0.0	0.0	0.6	0.7	9.2	10.3			330	33.8	27.4	2.69	1.41	23.9
WHCB	4	1	60.4	79.5	0.8	0.0	0.0	0.4	0.5	0.9	7.9	6.4	6.4	6.4	286	33.6	18.0	2.66	1.21	
WHCB	8	8	60.9	80.0	0.8	0.0	0.0	0.2	0.7	0.9	8.0	9.5	8.2	10.8	306	32.6	29.5	2.62	1.28	
WHCB	10	2	61.4	80.7	0.7	0.0	0.0	0.2	1.5	1.7	8.1	8.8	7.1	10.5	390	29.5	30.2	2.66	1.33	
WHCB	11	1	60.6	79.7	0.5	0.0	0.0	0.1	0.9	1.0	9.3	9.9	9.9	9.9	359	30.7	9.5	2.68	1.27	
	Crop Year Average																			
WHCB	2024	12	60.9	80.1	0.8	0.0	0.0	0.2	0.9	1.0	8.1	9.1			323	32.0	27.0	2.63	1.28	
WHCB	2023	65	60.7	79.9	0.6	0.0	0.0	0.0	1.2	1.3	8.6	10.6			327	29.9	22.1	2.49	1.26	
WHCB	5-year average	79	60.6	79.8	0.6	0.0	0.0	0.0	1.2	1.2	8.4	10.4			333	30.1	28.8	2.52	1.31	
HRW	4	5	62.9	82.6	0.7	0.0	0.0	0.1	0.4	0.5	7.9	11.5	10.7	13.4	358	36.1	65.2	2.87	1.40	27.8
HRW	5	5	61.1	80.4	0.7	0.0	0.0	0.0	1.0	1.0	8.7	10.2	9.6	11.6	357	34.4	59.6	2.80	1.45	21.1
HRW	6/7	6	62.2	81.7	0.4	0.0	0.0	0.0	0.9	0.9	8.6	10.8	7.9	11.8	349	40.8	64.2	3.03	1.45	23.2
HRW	8	11	62.1	81.6	0.4	0.0	0.0	0.0	0.4	0.5	8.4	11.0	9.9	12.4	371	39.7	63.8	2.98	1.32	25.3
HRW	10	10	60.7	79.9	0.4	0.0	0.0	0.0	0.7	0.7	7.8	10.5	8.4	12.3	356	32.6	61.6	2.73	1.40	19.8
HRW	11	6	60.7	79.9	0.4	0.0	0.0	0.0	0.8	0.8	9.9	9.8	7.5	10.9	334	36.7	57.3	2.85	1.23	16.0
	Crop Year Average																			
HRW	2024	43	61.6	81.0	0.5	0.0	0.0	0.0	0.7	0.7	8.5	10.7			356	36.8	62.1	2.88	1.37	22.2
HRW	2023	73	61.7	81.1	0.3	0.0	0.1	0.0	0.6	0.7	9.3	11.8			355	36.3	61.0	2.83	1.42	25.9
HRW	5-year average	79	61.6	80.9	0.3	0.0	0.0	0.0	0.6	0.7	9.1	11.7			365	34.4	65.7	2.80	1.43	26.5
HRS	4	4	61.2	80.5	0.5	0.0	0.0	0.0	0.5	0.5	8.8	13.0	11.9	13.7	367	34.0	68.0	2.78	1.57	28.8
HRS	5	1	63.9	84.0	0.3	0.0	0.2	0.0	0.2	0.4	9.6	14.5	14.5	14.5	351	35.8	71.9	2.90	1.51	40.7
HRS	6/7	1	62.1	81.7	1.4	0.0	0.0	0.1	0.3	0.4	8.2	15.2	15.2	15.2	361	37.5	65.9	2.95	1.44	27.1
HRS	8	6	60.9	80.1	0.8	0.0	0.0	0.1	0.7	0.7	9.0	13.6	11.2	14.7	368	34.4	67.6	2.80	1.71	31.7
HRS	10	6	62.5	82.2	0.8	0.0	0.0	0.2	1.0	1.2	8.6	14.6	13.6	16.3	392	31.7	70.6	2.73	1.54	36.7
HRS	11	3	62.2	81.8	0.2	0.0	0.0	0.0	0.9	0.9	7.3	14.4	12.7	15.3	418	27.2	79.3	2.57	1.57	35.2
	Crop Year Average																			
HRS	2024	21	61.8	81.3	0.6	0.0	0.0	0.1	0.7	0.8	8.6	14.0			381	32.7	70.3	2.76	1.59	33.3
HRS	2023	36	61.7	81.2	0.5	0.0	0.0	0.0	0.6	0.7	9.5	14.6			370	32.0	65.9	2.75	1.58	35.2
HRS	5-year average	52	61.9	81.3	0.5	0.0	0.1	0.0	0.8	0.9	9.3	14.7			376	30.8	70.3	2.72	1.61	36.4

1200 N.W. Naito Parkway, Suite 230, Portland, OR 97209-2831
 Ph: (503) 295-0823 Fax: (503) 295-2735 Email: liman@wmcinc.org

Pacific Northwest Wheat Production Zones





BY PRODUCTION ZONES

Table 2

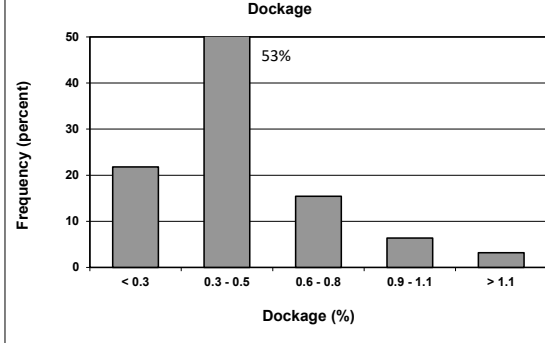
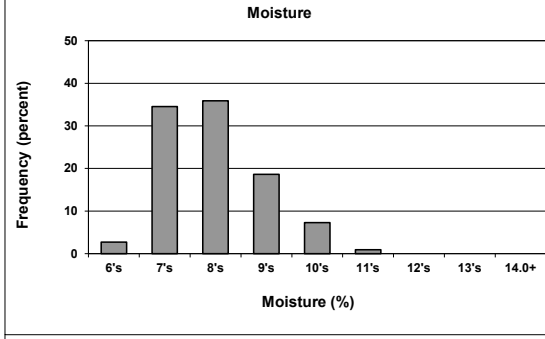
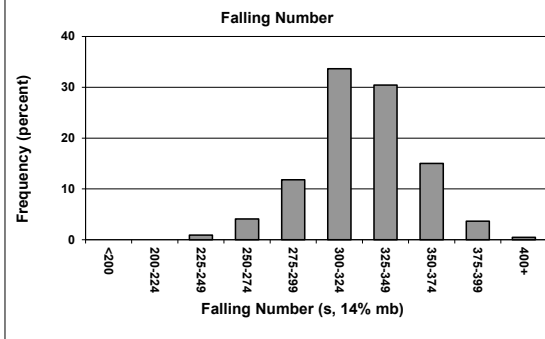
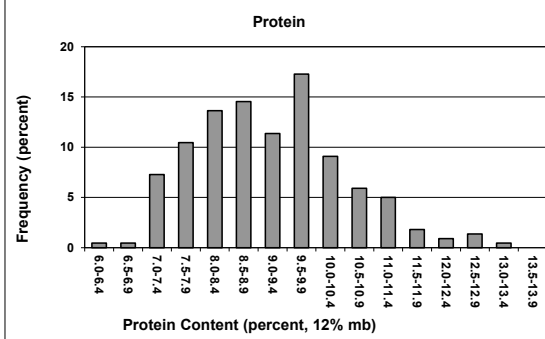
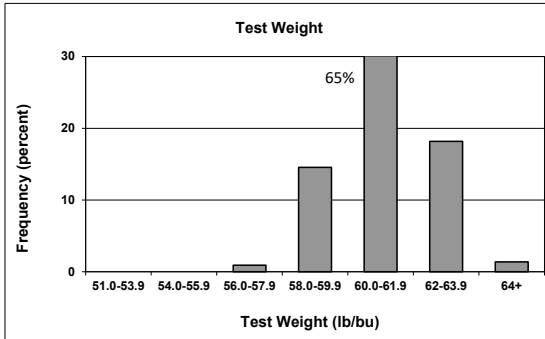
2024 CROP WEEK 3: August 15, 2024																				
		Grading Data									Quality Data									
Class	District	Number of Samples	Test Weight (lb/bu)	Test Weight (kg/ht)	Dockage (%)	Heat Damage (%)	Total Damage (%)	Foreign Material (%)	Shrunk & Broken (%)	Total Defects (%)	Moisture (%)	Protein (% 12% 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	55	61.4	80.8	0.5	0.0	0.0	0.0	0.6	0.6	8.2	9.7	7.1	11.7	325	34.7	27.7	2.70	1.27	23.4
SWH	NE	90	61.1	80.4	0.4	0.0	0.0	0.1	0.5	0.6	8.2	9.3	6.9	13.0	331	33.1	26.3	2.67	1.32	20.3
SWH	C	68	60.8	79.9	0.5	0.0	0.0	0.0	0.5	0.5	8.8	8.6	6.3	11.4	307	35.7	19.3	2.75	1.35	16.5
SWH	SW	7	60.3	79.3	0.7	0.0	0.0	0.1	0.7	0.9	10.6	9.0	7.9	12.1	329	38.2	24.4	2.82	1.39	19.6
	Crop Year Average																			
SWH	2024	220	61.1	80.3	0.5	0.0	0.0	0.1	0.5	0.6	8.5	9.2			322	34.5	24.4	2.71	1.32	19.9
SWH	2023	385	60.2	79.2	0.4	0.0	0.0	0.1	0.7	0.8	9.1	11.0			334	32.5	20.7	2.62	1.39	25.8
SWH	5-year average	398	60.8	80.0	0.5	0.0	0.0	0.0	0.6	0.7	9.2	10.3			330	33.8	27.4	2.69	1.41	23.9
WHCB	NC	9	60.9	80.1	0.8	0.0	0.0	0.2	0.7	0.9	7.9	9.2	7.1	10.8	313	32.3	30.3	2.63	1.28	
WHCB	NE	2	61.2	80.4	0.5	0.0	0.0	0.1	1.7	1.7	9.3	10.2	9.9	10.5	375	29.9	16.9	2.63	1.32	
WHCB	C	1	60.4	79.5	0.8	0.0	0.0	0.4	0.5	0.9	7.9	6.4	6.4	6.4	286	33.6	18.0	2.66	1.21	
	Crop Year Average																			
WHCB	2024	12	60.9	80.1	0.8	0.0	0.0	0.2	0.9	1.0	8.1	9.1			323	32.0	27.0	2.63	1.28	
WHCB	2023	65	60.7	79.9	0.6	0.0	0.0	0.0	1.2	1.3	8.6	10.6			327	29.9	22.1	2.49	1.26	
WHCB	5-year average	79	60.6	79.8	0.6	0.0	0.0	0.0	1.2	1.2	8.4	10.4			333	30.1	28.8	2.52	1.31	
HRW	NC	19	62.0	81.5	0.4	0.0	0.0	0.0	0.6	0.6	8.4	10.9	7.9	12.4	362	39.4	63.8	2.98	1.36	24.3
HRW	NE	14	60.7	79.9	0.4	0.0	0.0	0.0	0.7	0.7	8.7	10.2	7.5	12.3	346	34.3	59.5	2.77	1.34	17.8
HRW	C	10	62.0	81.5	0.7	0.0	0.0	0.1	0.7	0.8	8.3	10.8	9.6	13.4	357	35.3	62.4	2.83	1.43	24.5
	Crop Year Average																			
HRW	2024	43	61.6	81.0	0.5	0.0	0.0	0.0	0.7	0.7	8.5	10.7			356	36.8	62.1	2.88	1.37	22.2
HRW	2023	73	61.7	81.1	0.3	0.0	0.1	0.0	0.6	0.7	9.3	11.8			355	36.3	61.0	2.83	1.42	25.9
HRW	5-year average	79	61.6	80.9	0.3	0.0	0.0	0.0	0.6	0.7	9.1	11.7			365	34.4	65.7	2.80	1.43	26.5
HRS	NC	9	61.7	81.2	0.8	0.0	0.0	0.1	0.6	0.6	8.7	13.8	11.2	15.2	361	35.7	67.5	2.86	1.65	32.2
HRS	NE	7	62.0	81.5	0.6	0.0	0.0	0.1	1.2	1.3	8.1	14.8	12.7	16.3	422	27.7	75.1	2.60	1.55	36.2
HRS	C	5	61.8	81.2	0.4	0.0	0.0	0.0	0.4	0.4	9.0	13.3	11.9	14.5	363	34.3	68.8	2.80	1.56	31.1
	Crop Year Average																			
HRS	2024	21	61.8	81.3	0.6	0.0	0.0	0.1	0.7	0.8	8.6	14.0			381	32.7	70.3	2.76	1.59	33.3
HRS	2023	36	61.7	81.2	0.5	0.0	0.0	0.0	0.6	0.7	9.5	14.6			370	32.0	65.9	2.75	1.58	35.2
HRS	5-year average	52	61.9	81.3	0.5	0.0	0.1	0.0	0.8	0.9	9.3	14.7			376	30.8	70.3	2.72	1.61	36.4

1200 N.W. Naito Parkway, Suite 230, Portland, OR 97209-2831
 Ph: (503) 295-0823 Fax: (503) 295-2735 Email: liman@wmcinc.org

Distributions

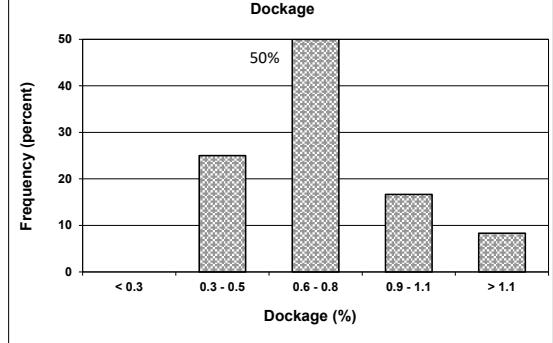
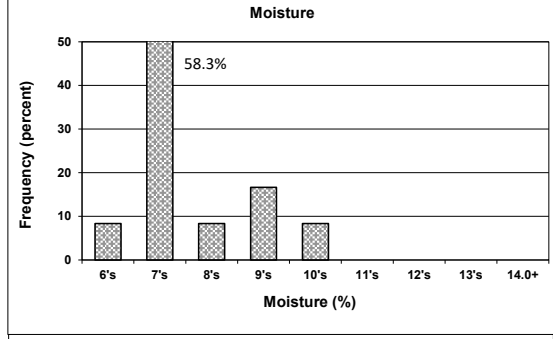
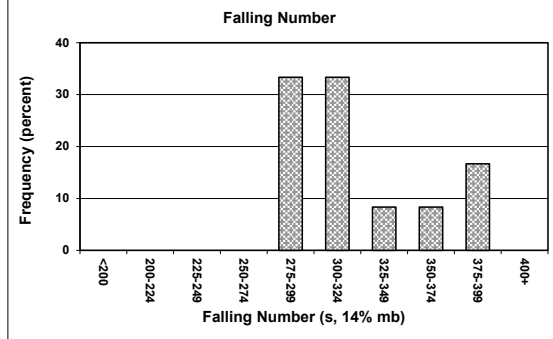
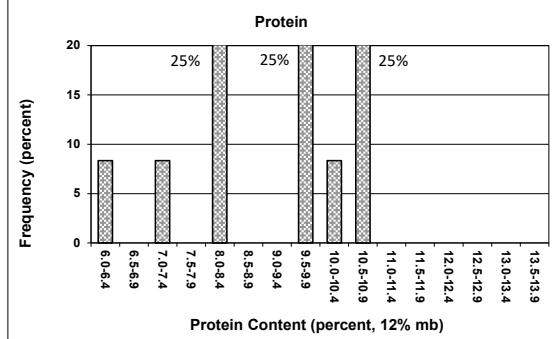
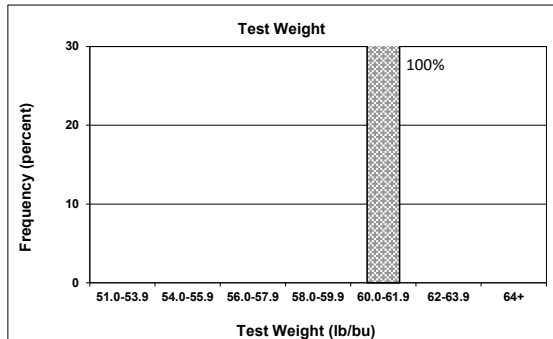
SOFT WHITE WHEAT

220 SAMPLES



WHITE CLUB WHEAT

12 SAMPLES



Prepared by: Wheat Marketing Center, Portland, Oregon