



## 2023 PACIFIC NORTHWEST CROP QUALITY REPORT

WEEK 2: August 3, 2023

**Please remember that this data is based on a small number of samples from a limited production region at this time. Use caution when drawing conclusions about the overall crop.**

We received and processed a total of 60 samples by the end of the second week reporting period for the 2023 Pacific Northwest wheat harvest.

### **SAMPLE DISTRIBUTION –**

38 wheat samples were received in the second week – 29 soft white (SWH), 2 white club (WHCB), 5 hard red winter (HRW), and 2 hard red spring (HRS). 19 samples (50%) were from District 4, 17 (45%) were from District 5, and 1 (3%) 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 59.5 lb/bu (78.1 kg/hl), lower than the 5-year average of 61.1 lb/bu (80.3 kg/hl). Average **dockage** was 0.4%. Average **wheat moisture** content was 9.0%, similar to the 5-year average of 9.1%. Average **wheat protein** content (12% mb) was 11.9%, the same as last week and higher than the 5-year average of 10.0%. Average **falling number** value (14% mb) was 338 seconds, higher than the 5-year average of 326 seconds. Average **thousand kernel weight** (14% mb) was 28.9 g, lower than the 5-year average of 34.4 g. Average **kernel size** was 2.52 mm, smaller than the 5-year average of 2.72 mm.

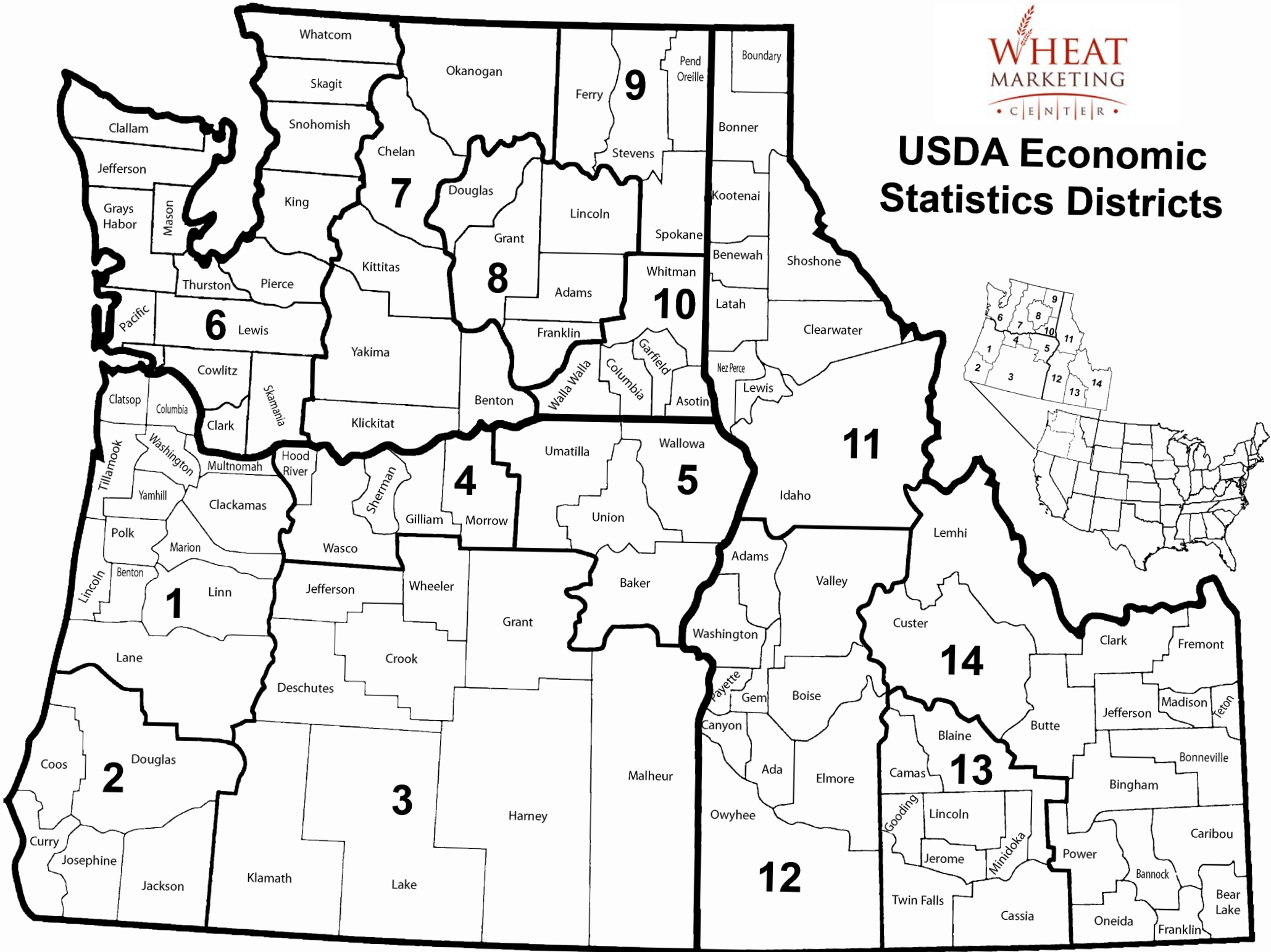
### **PACIFIC NORTHWEST WHEAT PRODUCTION ZONES (TABLE 2) DATA –**

Ninety five percent of this week's samples were from Zone C, and 3% each from Zone NC and SW. (Please refer to page 4 – Pacific Northwest Wheat Production Zones Map.)

**SWH** – Average **wheat protein** content (12% mb) was highest for Zone C at 12.1% followed by Zone NC at 9.9%, and the lowest was for Zone SW at 9.0%.

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

# USDA Economic Statistics Districts





**BY USDA ECONOMIC STATISTICS DISTRICTS**

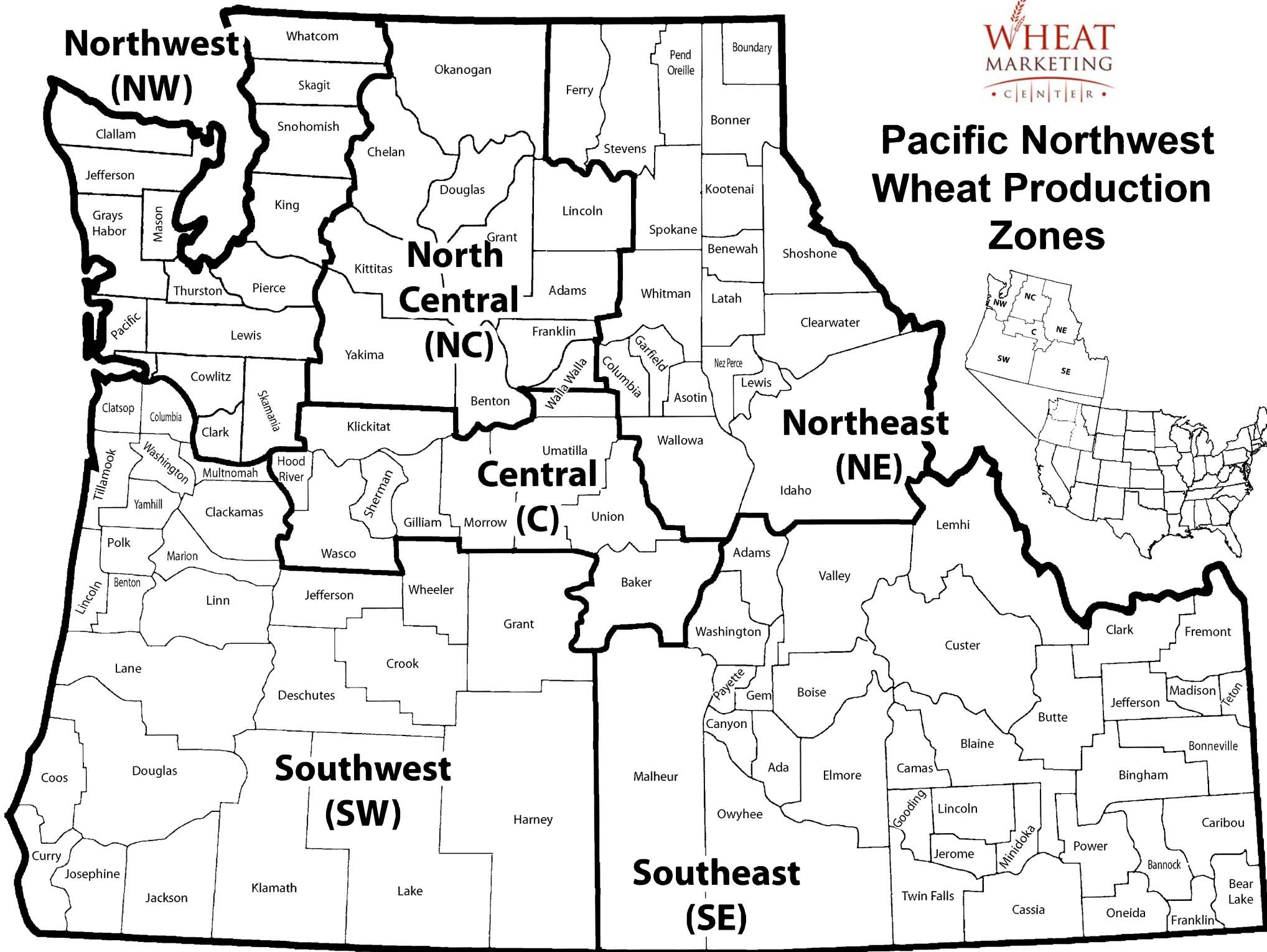
**Table 1**

2023 CROP WEEK 2: August 3, 2023																				
		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	112	1	62.9	82.7	0.2	0.0	0.0	0.0	1.0	1.0	10.0	9.0	9.0	9.0	349	35.4	27.8	2.67	1.42	16.4
SWH	4	25	59.2	77.9	0.4	0.0	0.0	0.0	0.9	1.0	8.9	12.4	10.8	15.5	341	27.5	22.2	2.48	1.41	32.0
SWH	5	19	59.8	78.6	0.2	0.0	0.0	0.0	1.1	1.1	8.9	11.8	10.2	14.7	335	29.0	21.1	2.52	1.46	29.2
SWH	6\7	4	59.3	78.0	1.2	0.0	0.0	0.0	0.4	0.5	9.8	10.9	9.6	12.7	335	35.5	24.3	2.75	1.59	26.7
	<b>Crop Year Average</b>																			
SWH	<b>2023</b>	49	59.5	78.3	0.4	0.0	0.0	0.0	0.9	1.0	9.0	11.9			338	28.9	22.0	2.52	1.44	30.2
SWH	<b>2022</b>	404	61.0	80.2	0.5	0.0	0.0	0.1	0.5	0.6	8.9	9.5			340	34.8	28.0	2.74	1.47	20.1
SWH	<b>5-year average</b>	416	61.1	80.3	0.5	0.0	0.0	0.0	0.6	0.7	9.1	10.0			326	34.4	28.7	2.72	1.40	22.8
WHCB	5	3	61.4	80.8	0.2	0.0	0.0	0.0	1.3	1.3	8.7	10.7	10.2	11.0	312	28.7	20.0	2.40	1.23	
	<b>Crop Year Average</b>																			
WHCB	<b>2023</b>	3	61.4	80.8	0.2	0.0	0.0	0.0	1.3	1.3	8.7	10.7			312	28.7	20.0	2.40	1.23	
WHCB	<b>2022</b>	53	60.6	79.8	0.8	0.0	0.0	0.0	1.1	1.1	7.8	10.1			356	30.2	31.1	2.55	1.36	
WHCB	<b>5-year average</b>	91	60.7	79.9	0.6	0.0	0.0	0.1	1.1	1.2	8.3	10.0			331	30.7	30.0	2.55	1.31	
HRW	4	4	62.0	81.6	0.4	0.0	0.0	0.0	0.8	0.8	8.7	13.3	12.3	14.8	341	31.5	56.6	2.61	1.46	32.0
HRW	5	2	62.4	82.0	0.1	0.0	0.0	0.0	1.7	1.7	8.6	11.8	11.7	11.9	335	30.7	71.3	2.64	1.31	25.4
	<b>Crop Year Average</b>																			
HRW	<b>2023</b>	6	62.1	81.7	0.3	0.0	0.0	0.0	1.1	1.1	8.6	12.8			339	31.2	61.5	2.62	1.41	29.8
HRW	<b>2022</b>	78	61.5	80.9	0.4	0.0	0.0	0.0	0.8	0.8	8.8	11.1			382	33.7	66.2	2.80	1.53	24.1
HRW	<b>5-year average</b>	87	61.8	81.2	0.3	0.0	0.0	0.0	0.6	0.7	8.9	11.6			367	34.5	66.5	2.82	1.42	26.3
HRS	4	1	63.3	83.2	2.4	0.0	0.0	0.1	0.3	0.4	9.6	15.2	15.2	15.2	402	30.4	64.2	2.75	1.57	35.1
HRS	5	1	63.8	83.8	0.1	0.0	0.0	0.0	0.3	0.3	9.2	14.1	14.1	14.1	304	37.3	54.5	2.91	1.50	31.8
	<b>Crop Year Average</b>																			
HRS	<b>2023</b>	2	63.6	83.5	1.3	0.0	0.0	0.1	0.3	0.4	9.4	14.7			353	33.8	59.3	2.83	1.53	33.4
HRS	<b>2022</b>	56	61.6	81.0	0.4	0.0	0.0	0.0	0.6	0.7	8.7	14.4			387	30.5	72.2	2.71	1.65	35.1
HRS	<b>5-year average</b>	64	62.0	81.6	0.4	0.0	0.1	0.0	0.8	0.9	9.1	14.6			379	30.8	71.6	2.72	1.61	36.4

\* Wet gluten has been discontinued for club wheat

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# Pacific Northwest Wheat Production Zones





**BY PRODUCTION ZONES**

**Table 2**

2023 CROP WEEK 2: August 3, 2023																				
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	3	60.0	78.9	1.1	0.0	0.0	0.1	0.3	0.4	9.8	10.3	9.6	11.1	336	38.5	25.2	2.87	1.62	23.2
SWH	C	45	59.4	78.1	0.3	0.0	0.0	0.0	1.0	1.0	8.9	12.1	10.2	15.5	338	28.1	21.7	2.50	1.43	30.9
SWH	SW	1	62.9	82.7	0.2	0.0	0.0	0.0	1.0	1.0	10.0	9.0	9.0	9.0	349	35.4	27.8	2.67	1.42	16.4
	<b>Crop Year Average</b>																			
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HRW	<b>2022</b>	78	61.5	80.9	0.4	0.0	0.0	0.0	0.8	0.8	8.8	11.1			382	33.7	66.2	2.80	1.53	24.1
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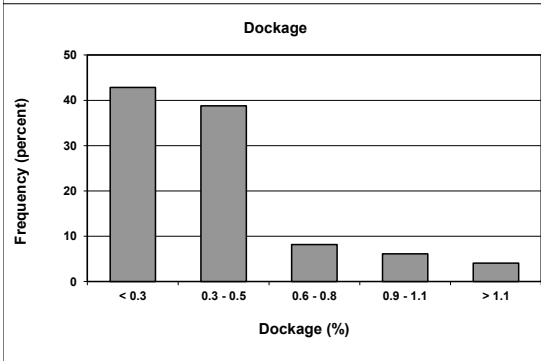
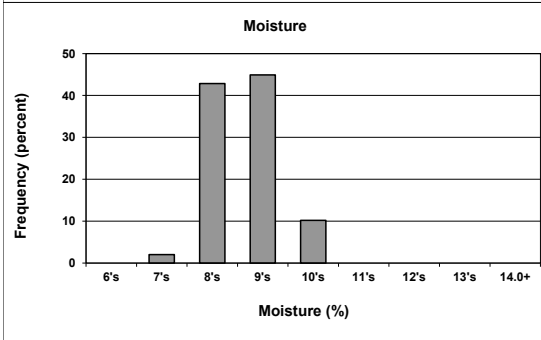
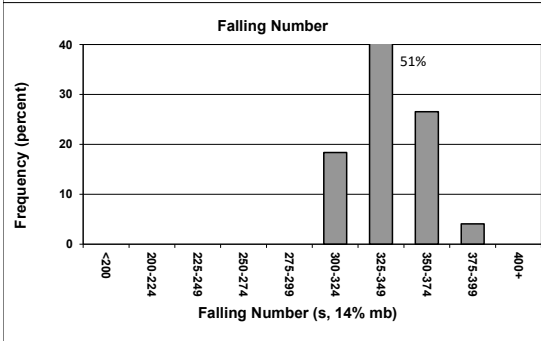
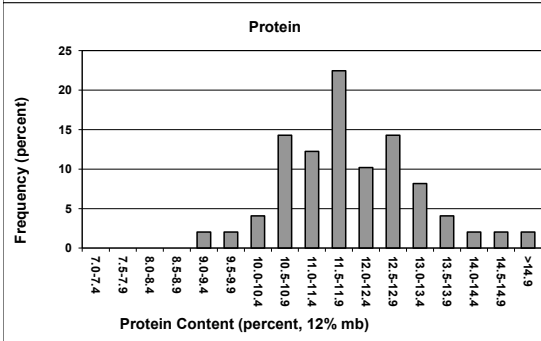
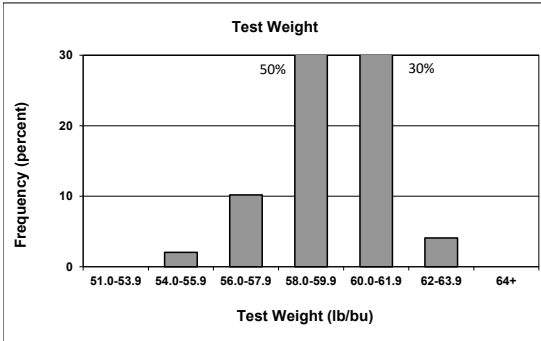
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Distributions

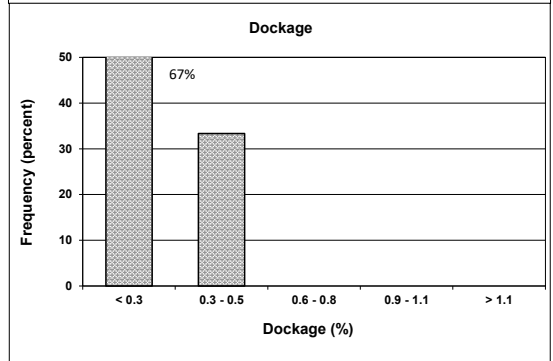
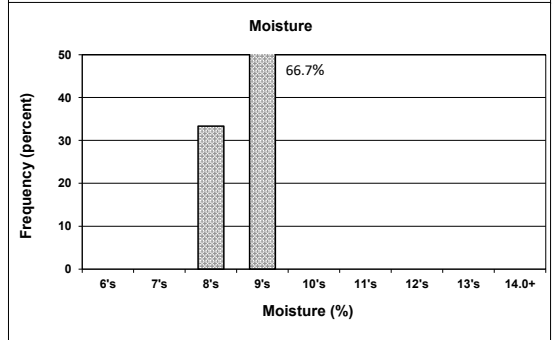
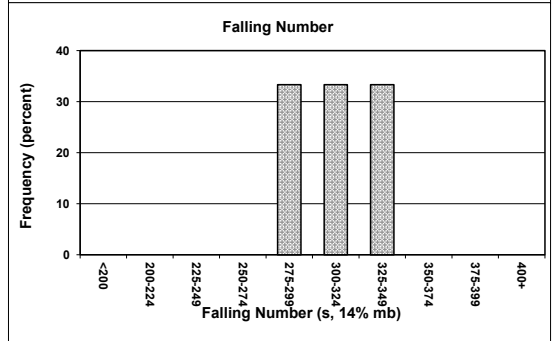
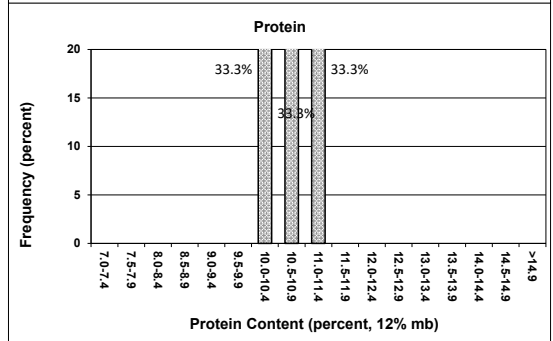
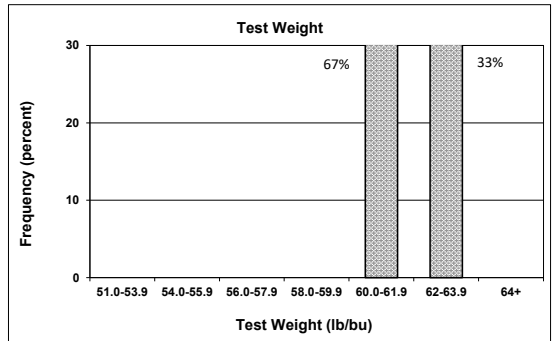
**SOFT WHITE WHEAT**

49 SAMPLES



**WHITE CLUB WHEAT**

3 SAMPLES



Prepared by: Wheat Marketing Center, Portland, Oregon