2022 PACIFIC NORTHWEST CROP QUALITY REPORT

WEEK 5: September 01, 2022

By the end of the fifth week reporting period for the 2022 Pacific Northwest wheat harvest, we received a total of 495 samples.

SAMPLE DISTRIBUTION –

150 wheat samples received in the fifth week – 95 soft white (SWH), 11 white club (WHCB), 16 hard red winter (HRW), 22 hard red spring (HRS), and 6 hard white (HDWH). Forty-one samples (27%) from District 8, 36 (24%) from District 14, 20 (13%) from District 10, 16 (11%) from District 4, and less than 10% each from District 13, District 12, District 5, and Districts 6\7. Please refer to page 2 - USDA Economic Statistics Districts Map.

USDA ECONOMIC STATISTICS DISTRICTS (TABLE 1) DATA –

Overall, the results of SWH and WHCB from this week were quite consistent with previous weeks' results we have seen.

SWH – **Average test weight** 61.0 lb/bu (80.3 kg/hl) similar to the 5-year average. **Average dockage** 0.5%. **Average wheat moisture** content 8.9% slightly lower than the 5-year average of 9.1%. **Average wheat protein** content (12% mb) 9.4% the same as last week, lower than the 5-year average of 10.0%. **Average falling number** value (14% mb) 338 seconds higher than the 5-year average of 325 seconds. **Thousand kernel weight** (14% mb) and **kernel size** slightly heavier and larger kernels when compared to the 5-year averages.

WHCB – **Average test weight** 60.7 lb/bu (79.8 kg/hl) the same as the 5-year average. **Average wheat protein** content (12% mb) 10.2% slightly higher than the 5-year average of 9.9%. **Average falling number** value (14% mb) – 355 seconds. **Average thousand kernel weight** (14% mb) 30.3 g lower than the 5-year average at 31.1 g. **Average kernel size** 2.56 mm similar to the 5-year average of 2.55 mm.

HRW – **Average test weight** 61.8 lb/bu slightly lower than the 5-year average of 62.0 lb/bu. **Average wheat protein** content (12% mb) 11.1% lower than the 5-year average of 11.7%. **Thousand kernel weight** (14% mb) and **kernel size** were lower than the 5-year averages.

HRS – **Average test weight** 62.2 lb/bu the same as the 5-year average. **Average wheat protein** content (12% mb) 14.3% slightly lower than the 5-year average of 14.6%. **Thousand kernel weight** (14% mb) and **kernel size** were larger than the 5-year averages.

We will continue to report the six PNW Production Zones (Table 2): The Zones are based on country elevator locations and climatic conditions. Forty-five percent of this week's samples from Zone NC, 39% from Zone SE, and 16% from Zone C. Please refer to page 4 - Pacific Northwest Wheat Production Zones Map.

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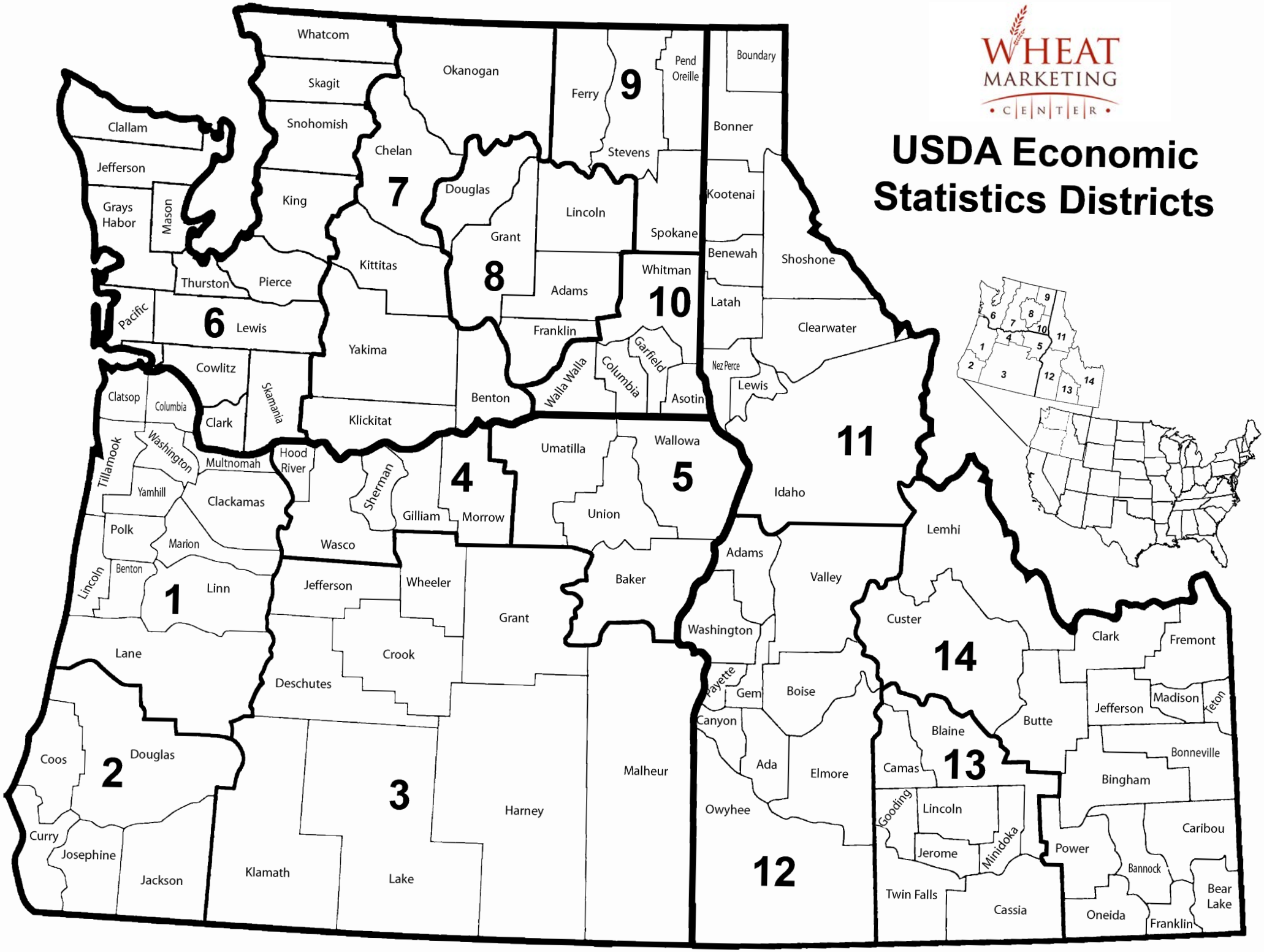
WHEAT MARKETING CENTER
USDA Economic Statistics Districts
Whatcom
Skagit
Snohomish
Clallam
Jefferson
Grays Harbor
Mason
King
Pierce
Thurston
Pacific
Lewis
Cowlitz
Clatsop
Columbia
Clark
Skamania
Tillamook
Washington
Multnomah
Yamhill
Clackamas
Polk
Marion
Lincoln
Benton
Linn
Lane
Coos
Douglas
Curry
Josephine
Jackson
Klamath
Lake
Deschutes
Crook
Jefferson
Wasco
Hood River
Sherman
Gilliam
Morrow
Grant
Harney
Malheur
Wheeler
Baker
Umatilla
Union
Wallowa
Chelan
Okanogan
Douglas
Kittitas
Yakima
Klickitat
Benton
Ferry
Pend Oreille
Stevens
Lincoln
Spokane
Grant
Adams
Franklin
Whitman
Walla Walla
Columbia
Garfield
Asotin
Boundary
Bonner
Kootenai
Benewah
Shoshone
Latah
Clearwater
Nez Perce
Lewis
Idaho
Adams
Washington
Payette
Gem
Canyon
Ada
Elmore
Owyhee
Valley
Boise
Lemhi
Custer
Blaine
Camas
Gooding
Lincoln
Jerome
Minidoka
Twin Falls
Cassia
Butte
Clark
Fremont
Jefferson
Madison
Teton
Bonneville
Bingham
Caribou
Power
Bannock
Oneida
Franklin
Bear Lake
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WHEAT MARKETING CENTER

BY USDA ECONOMIC STATISTICS DISTRICTS

Table 1

2022 CROP WEEK 5: September 01, 2022

			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	1\2	8	60.2	79.1	0.8	0.0	0.0	0.0	0.6	0.6	11.6	9.0	8.2	9.8	345	33.0	26.1	2.75	1.52	19.5
SWH	3	4	61.8	81.3	0.3	0.0	0.0	0.0	0.3	0.3	8.8	9.8	8.5	10.8	316	40.1	26.9	2.88	1.58	21.5
SWH	4	68	61.9	81.4	0.6	0.0	0.1	0.2	0.3	0.5	8.6	8.3	6.7	11.2	323	35.1	29.0	2.82	1.43	15.8
SWH	5	38	61.7	81.1	0.5	0.0	0.0	0.1	0.4	0.6	8.6	9.2	7.3	12.3	343	34.9	27.6	2.78	1.50	18.4
SWH	6\7	13	60.9	80.1	0.5	0.0	0.0	0.1	0.7	0.8	8.5	10.0	8.4	12.8	343	33.6	28.2	2.67	1.40	22.2
SWH	8	80	60.8	80.0	0.5	0.0	0.0	0.0	0.6	0.7	8.1	10.3	6.8	13.2	355	33.3	32.7	2.67	1.37	23.4
SWH	9	4	59.1	77.8	0.7	0.0	0.0	0.2	1.6	1.8	8.4	9.9	8.1	12.3	368	30.7	34.3	2.60	1.57	21.3
SWH	10	32	61.3	80.6	0.4	0.0	0.0	0.0	0.4	0.4	9.2	9.0	7.0	12.2	338	37.4	25.6	2.81	1.48	18.1
SWH	11	25	61.9	81.4	0.4	0.0	0.0	0.0	0.4	0.4	9.2	9.1	7.7	11.3	351	34.7	29.1	2.77	1.51	18.0
SWH	12	11	60.3	79.4	0.6	0.0	0.0	0.0	0.4	0.5	8.8	9.0	7.4	12.3	309	40.0	25.4	2.85	1.55	16.5
SWH	13	19	60.7	79.9	0.3	0.0	0.0	0.0	1.2	1.2	9.3	10.4	8.9	13.2	322	37.3	27.7	2.78	1.58	22.8
SWH	14	39	59.4	78.2	0.5	0.0	0.0	0.0	0.5	0.6	10.2	10.1	8.4	12.9	324	33.5	23.2	2.64	1.63	23.2
	Crop Year Average																			
SWH	**2022**	341	61.0	80.3	0.5	0.0	0.0	0.1	0.5	0.6	8.9	9.4			338	34.8	28.5	2.74	1.47	20.0
SWH	**2021**	375	59.3	78.1	0.5	0.0	0.0	0.0	1.0	1.1	8.8	11.3			344	29.0	32.7	2.54	1.48	26.2
SWH	**5 yr - average**	437	61.1	80.3	0.5	0.0	0.0	0.0	0.6	0.7	9.1	10.0			325	34.6	29.1	2.72	1.37	22.8
WHCB	5	2	60.4	79.4	0.5	0.0	0.0	0.0	0.8	0.8	8.0	8.4	8.2	8.6	329	30.5	24.2	2.48	1.35	19.5
WHCB	6\7	3	61.7	81.2	0.0	0.0	0.0	0.0	1.2	1.2	8.5	11.8	11.7	12.0	359	29.9	28.4	2.54	1.33	28.6
WHCB	8	42	60.6	79.7	0.9	0.0	0.0	0.0	1.1	1.2	7.7	10.1	7.5	13.1	356	30.2	31.5	2.55	1.36	24.4
WHCB	10	2	62.4	82.0	0.9	0.0	0.0	0.0	0.4	0.4	8.7	9.8	9.5	10.1	356	32.0	34.4	2.73	1.37	20.6
	Crop Year Average																			
WHCB	**2022**	49	60.7	79.8	0.8	0.0	0.0	0.0	1.1	1.1	7.8	10.2			355	30.3	31.2	2.56	1.36	24.3
WHCB	**2021**	67	59.7	78.5	0.5	0.0	0.0	0.1	1.6	1.7	8.0	11.5			345	27.1	38.3	2.42	1.35	25.9
WHCB	**5 yr - average**	100	60.7	79.8	0.6	0.0	0.0	0.1	1.1	1.2	8.4	9.9			329	31.1	29.9	2.55	1.29	19.7
HRW	4	5	62.4	82.0	0.5	0.0	0.0	0.1	0.6	0.8	8.1	11.6	10.5	13.0	398	31.1	71.0	2.76	1.55	27.1
HRW	6\7	9	63.3	83.2	0.0	0.0	0.0	0.0	0.6	0.6	8.9	10.8	7.4	13.8	384	33.9	66.9	2.73	1.49	24.3
HRW	8	17	62.8	82.6	0.2	0.0	0.0	0.0	0.4	0.4	8.5	11.0	8.9	12.5	381	36.5	67.7	2.91	1.50	25.9
HRW	10	8	63.2	83.0	0.4	0.0	0.0	0.0	1.2	1.2	8.5	10.2	8.4	13.5	370	33.0	64.2	2.73	1.44	17.7
HRW	11	4	61.9	81.4	0.4	0.0	0.0	0.0	1.8	1.8	8.2	12.5	12.2	13.1	408	28.8	75.2	2.57	1.59	25.1
HRW	12	8	58.7	77.2	1.3	0.0	0.0	0.0	0.4	0.4	8.8	10.9	8.4	13.0	371	37.1	59.3	2.95	1.65	21.1
HRW	14	7	59.0	77.6	0.2	0.0	0.0	0.0	1.7	1.7	9.3	11.5	10.8	13.5	355	30.3	66.9	2.70	1.57	27.6
	Crop Year Average																			
HRW	**2022**	58	61.8	81.3	0.4	0.0	0.0	0.0	0.8	0.8	8.6	11.1			379	33.9	66.6	2.80	1.53	24.1
HRW	**2021**	70	59.1	77.7	0.3	0.0	0.0	0.1	0.9	1.0	8.6	13.0			393	29.1	70.1	2.65	1.47	29.8
HRW	**5 yr - average**	90	62.0	81.4	0.3	0.0	0.0	0.0	0.6	0.6	8.8	11.7			368	34.8	67.2	2.83	1.39	26.5
HRS	4	2	62.8	82.6	0.6	0.0	0.2	0.0	0.5	0.7	8.5	14.3	14.1	14.4	485	32.4	73.0	2.77	1.59	35.0
HRS	5	5	63.8	83.9	0.3	0.0	0.1	0.0	0.2	0.3	8.5	13.9	13.3	14.6	390	35.9	67.9	2.93	1.61	37.0
HRS	6\7	5	63.6	83.6	0.0	0.0	0.1	0.0	0.1	0.2	9.0	13.6	12.4	14.3	359	38.0	67.2	2.92	1.62	33.7
HRS	8	16	61.3	80.6	0.5	0.0	0.0	0.0	0.7	0.7	8.7	14.7	13.0	16.1	360	31.5	71.8	2.73	1.62	36.4
HRS	10	4	62.3	81.9	0.6	0.0	0.0	0.0	0.5	0.5	8.3	14.0	12.5	14.8	379	29.7	76.2	2.66	1.64	32.0
HRS	11	4	62.3	81.9	0.3	0.0	0.0	0.1	0.8	0.9	7.7	14.5	14.0	15.0	441	26.2	82.5	2.58	1.68	31.4
HRS	12	1	60.9	80.1	0.2	0.0	0.0	0.0	0.3	0.3	7.6	12.1	12.1	12.1	379	31.6	72.3	2.86	1.82	27.8
HRS	14	4	62.0	81.6	0.1	0.0	0.0	0.0	0.4	0.4	8.4	14.9	13.9	15.8	398	28.9	72.5	2.70	1.67	39.0
	Crop Year Average																			
HRS	**2022**	41	62.2	81.8	0.4	0.0	0.0	0.0	0.5	0.5	8.5	14.3			383	32.0	72.4	2.76	1.63	35.2
HRS	**2021**	46	60.2	79.2	0.5	0.0	0.1	0.1	1.6	1.7	9.3	15.8			373	26.0	72.4	2.57	1.66	39.7
HRS	**5 yr - average**	68	62.2	81.7	0.4	0.0	0.1	0.0	0.8	0.9	9.2	14.6			378	31.3	71.6	2.74	1.58	36.5

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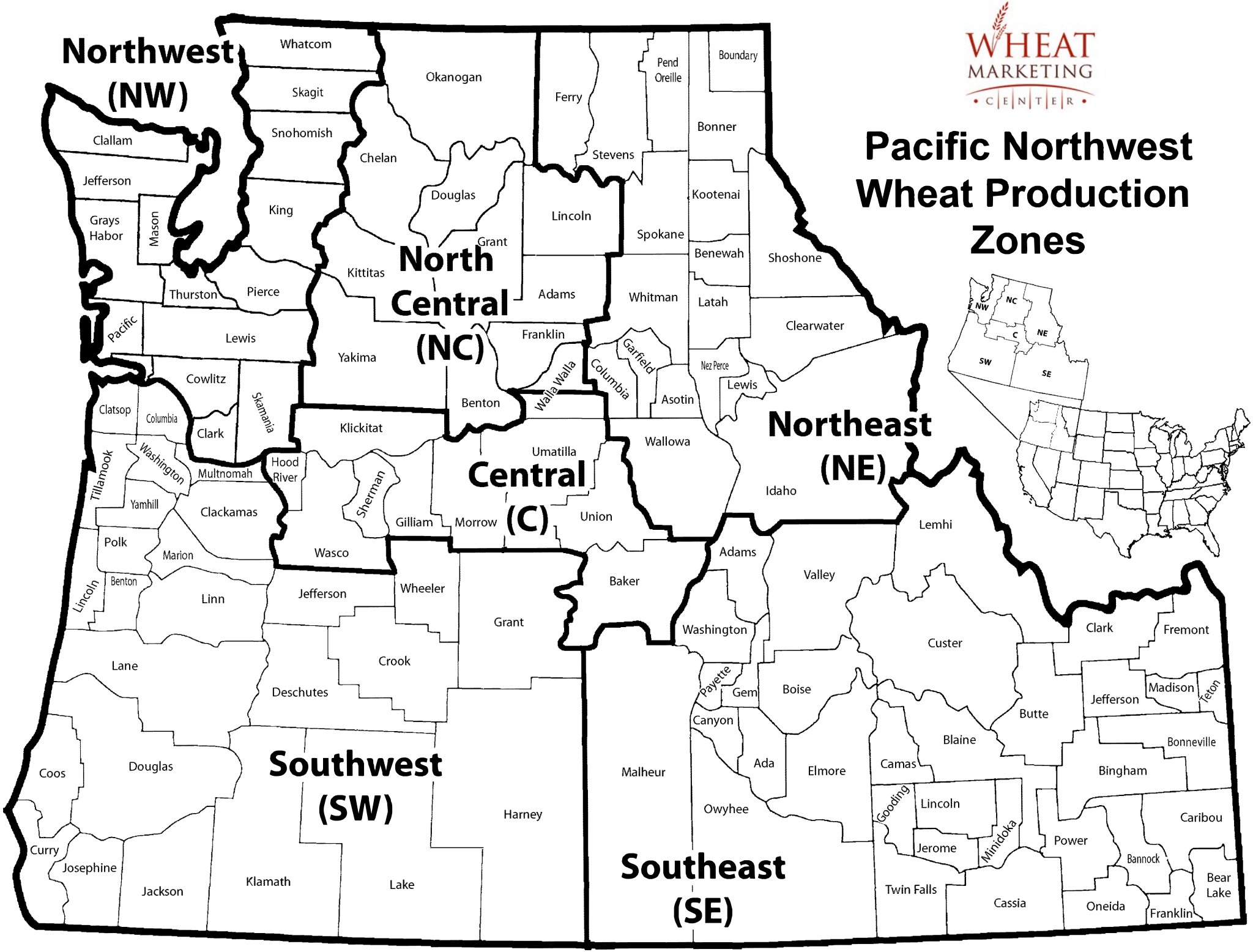

WHEAT MARKETING CENTER

Pacific Northwest Wheat Production Zones

WHEAT MARKETING CENTER

BY PRODUCTION ZONES

Table 2

2022 CROP WEEK 5: September 01, 2022

			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	107	60.8	80.0	0.5	0.0	0.0	0.0	0.6	0.6	8.3	10.0	6.8	13.2	355	34.1	30.5	2.70	1.38	22.4
SWH	NE	42	61.6	81.0	0.5	0.0	0.0	0.0	0.5	0.5	9.2	9.1	7.2	12.3	349	34.8	30.0	2.75	1.51	18.2
SWH	C	111	61.8	81.3	0.5	0.0	0.1	0.1	0.3	0.5	8.6	8.7	6.7	12.8	331	35.0	28.5	2.80	1.45	17.0
SWH	SW	8	60.2	79.1	0.8	0.0	0.0	0.0	0.6	0.6	11.6	9.0	8.2	9.8	345	33.0	26.1	2.75	1.52	19.5
SWH	SE	73	60.0	79.0	0.4	0.0	0.0	0.0	0.7	0.7	9.6	10.0	7.4	13.2	320	35.9	24.9	2.72	1.60	22.0
	Crop Year Average																			
SWH	**2022**	341	61.0	80.291	0.5	0.0	0.0	0.1	0.5	0.6	8.9	9.4			338	34.8	28.5	2.74	1.47	20.0
SWH	2021	375	59.3	78.1	0.5	0.0	0.0	0.0	1.0	1.1	8.8	11.3			344	29.0	32.7	2.54	1.48	26.2
SWH	**5 yr - average**	437	61.1	80.3	0.5	0.0	0.0	0.0	0.6	0.7	9.1	10.0			325	34.6	29.1	2.72	1.37	22.8
WHCB	NC	47	60.7	79.8	0.8	0.0	0.0	0.0	1.1	1.1	7.8	10.2	7.5	13.1	356	30.2	31.5	2.56	1.36	24.5
WHCB	C	2	60.4	79.4	0.5	0.0	0.0	0.0	0.8	0.8	8.0	8.4	8.2	8.6	329	30.5	24.2	2.48	1.35	19.5
	Crop Year Average																			
WHCB	**2022**	49	60.7	79.8	0.8	0.0	0.0	0.0	1.1	1.1	7.8	10.2			355	30.3	31.2	2.56	1.36	24.3
WHCB	2021	67	59.7	78.5	0.5	0.0	0.0	0.1	1.6	1.7	8.0	11.5			345	27.1	38.3	2.42	1.35	25.9
WHCB	**5 yr - average**	100	60.7	79.8	0.6	0.0	0.0	0.1	1.1	1.2	8.4	9.9			329	31.1	29.9	2.55	1.29	19.7
HRW	NC	27	63.0	82.8	0.2	0.0	0.0	0.0	0.5	0.5	8.6	11.0	7.4	13.8	383	36.0	67.0	2.87	1.48	25.6
HRW	NE	8	62.5	82.2	0.4	0.0	0.0	0.0	1.8	1.8	8.2	10.7	8.4	13.1	374	29.1	69.6	2.58	1.53	17.6
HRW	C	8	62.7	82.4	0.3	0.0	0.0	0.1	0.5	0.6	8.4	11.3	7.6	13.0	397	32.0	69.6	2.73	1.52	25.4
HRW	SE	15	58.8	77.4	0.8	0.0	0.0	0.0	1.0	1.0	9.0	11.2	8.4	13.5	363	34.0	62.9	2.83	1.61	24.1
	Crop Year Average																			
HRW	**2022**	58	61.8	81.3	0.4	0.0	0.0	0.0	0.8	0.8	8.6	11.1			379	33.9	66.6	2.80	1.53	24.1
HRW	**2021**	70	59.1	77.7	0.3	0.0	0.0	0.1	0.9	1.0	8.6	13.0			393	29.1	70.1	2.65	1.47	29.8
HRW	**5 yr - average**	90	62.0	81.4	0.3	0.0	0.0	0.0	0.6	0.6	8.8	11.7			368	34.8	67.2	2.83	1.39	26.5
HRS	NC	23	61.8	81.2	0.4	0.0	0.0	0.0	0.6	0.6	8.7	14.4	12.4	16.1	360	32.4	71.8	2.75	1.62	35.1
HRS	NE	5	62.6	82.3	0.5	0.0	0.0	0.1	0.7	0.8	7.7	14.5	14.0	15.0	431	26.8	81.0	2.60	1.66	32.7
HRS	C	8	63.5	83.4	0.3	0.0	0.1	0.0	0.3	0.4	8.5	14.0	13.3	14.6	409	35.5	68.6	2.89	1.62	36.0
HRS	SE	5	61.8	81.3	0.1	0.0	0.0	0.0	0.3	0.3	8.3	14.3	12.1	15.8	394	29.4	72.5	2.73	1.70	36.8
	Crop Year Average																			
HRS	**2022**	41	62.2	81.8	0.4	0.0	0.0	0.0	0.5	0.5	8.5	14.3			383	32.0	72.4	2.76	1.63	35.2
HRS	**2021**	46	60.2	79.2	0.5	0.0	0.1	0.1	1.6	1.7	9.3	15.8			373	26.0	72.4	2.57	1.66	39.7
HRS	**5 yr - average**	68	62.2	81.7	0.4	0.0	0.1	0.0	0.8	0.9	9.2	14.6			378	31.3	71.6	2.74	1.58	36.5

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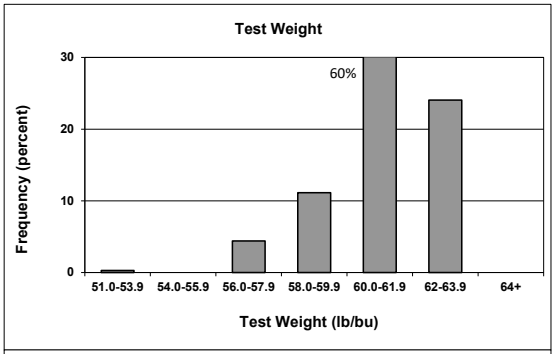
2022 CROP WEEK 5: September 01, 2022

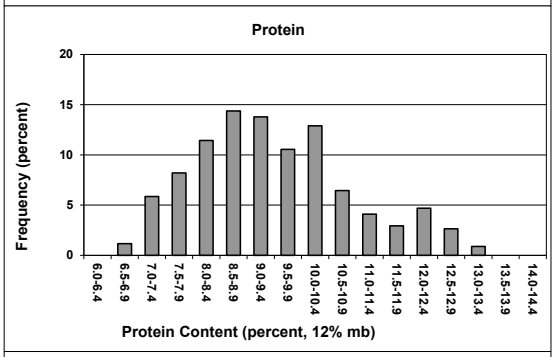
Distributions

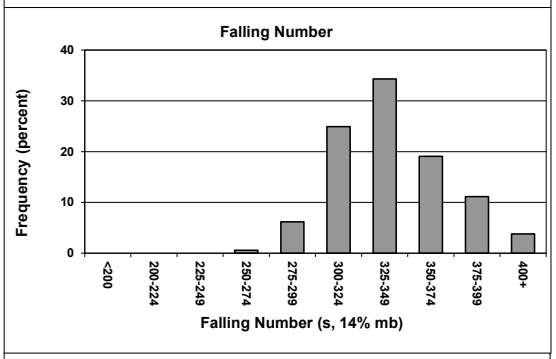
Prepared by: Wheat Marketing Center, Portland, Oregon

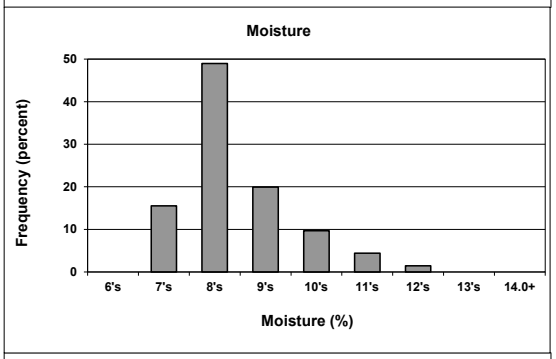
SOFT WHITE WHEAT

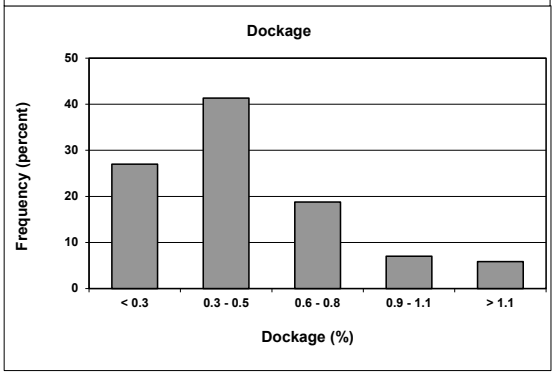
341 SAMPLES

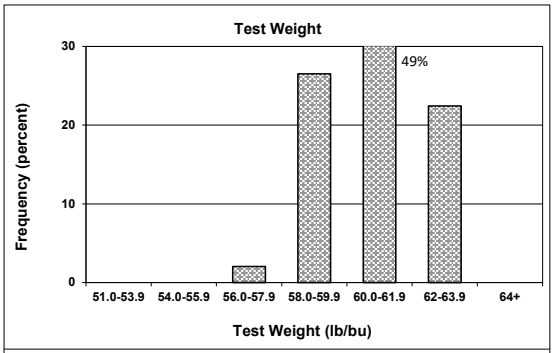
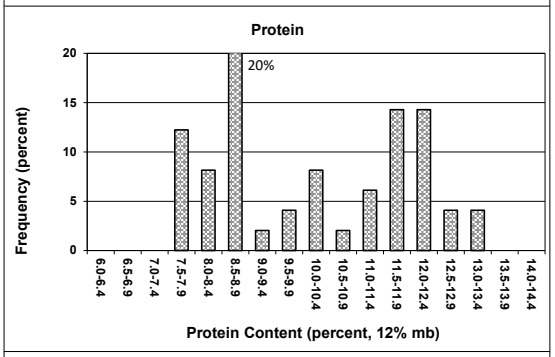
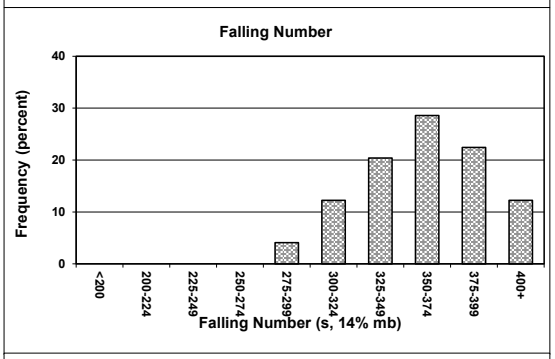
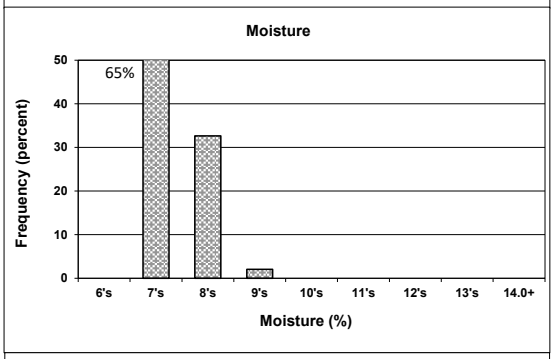
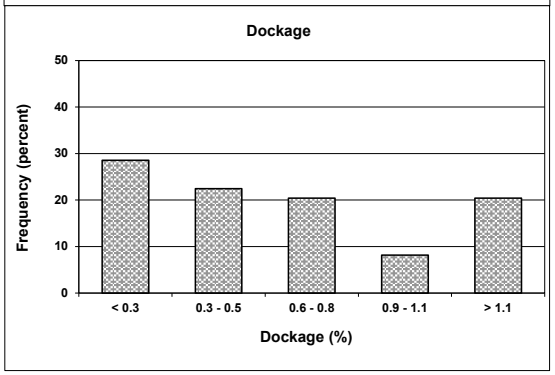










WHITE CLUB WHEAT

49 SAMPLES