OSU Extension Cereals

2016 OREGON SOFT WINTER ELITE YIELD TRIALS
HERMISTON (Irrigated)

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Site Quality Index[†] = 4
1 = Poor 3 = Average 5 = Excellent

Site Description: Stripe rust was not controlled at this site.
2-Year yield data from 2016 and 2014. Yield data from 2015 was not available due to excessive winter injury.

5 Year Average Yield = 134.6 bu/ac

Entry	Variety	Class		Quality Rating[¶]		2016 Yield Data[‡]			2-Year Yield Data			3-Year Yield Data	
						Yield	Rank		Yield	Rank		Yield	Rank
						bu/ac			bu/ac			bu/ac	
5	ROSALYN	SWW		A		158.1	1		170.6	2			
6	BOBTAIL	SWW		MD		154.8	2		170.8	1			
27	SY 09 PN062#18 (EXP)	SWW				152.2	3						
23	SY OVATION	SWW		D		148.9	4		169.5	3			
32	ARS 06134-57C	Club				148.2	5						
14	LCS DRIVE	SWW				145.3	6		162.8	5			
4	KASEBERG	SWW		MD		144.5	7		168.7	4			
28	SY 09 PN005#25 (EXP)	SWW				143.1	8						
15	LWW 14-73163	SWW				143.0	9						
38	LOR 833	SWW				142.0	10						
10	IDN 06-18102A	SWW				138.6	11						
29	JASPER	SWW		MD		138.1	12						
35	OR 2110526	SWW				135.6	13						
20	EXP BZ6W09-471	SWW				135.5	14						
25	SY 04 PN066-7 (EXP)	SWW				135.3	15						
8	IDN 02-29001A	SWW				134.8	16		154.9	8			
18	WB 1529	SWW				134.8	17		151.1	9			
36	OR 2121086	SWW				134.7	18						
9	IDN 07-28017B	SWW				133.2	19						
17	LWW 14-71195	SWW				133.0	20						
13	LCS BIANCOR	SWW				132.1	21		155.6	7			
24	SY ASSURE (SY 04 PN096-2)	SWW				129.6	22						
7	UI/WSU HUFFMAN	SWW		MD		128.5	23		138.2	14			
11	IDO 1108	SWW				128.4	24		150.3	10			
1	STEPHENS*	SWW		D		128.4	25		141.9	13			
37	OR 2121252	SWW				128.4	26						
34	OR 2101043	SWW				127.8	27						
26	SY 09 PN077-23 (EXP)	SWW				123.4	28						
19	WB 1604	SWW				122.7	29		158.2	6			
30	WA 8232	SWW				122.2	30						
33	20060126-35C	Club				121.9	31						
21	EXP BZ6W09-489	SWW				121.8	32						
40	NORWEST DUET (LOR 092)	SWW				118.0	33						
31	WA 8206	SWW				115.2	34						
3	MARY	SWW		D		113.2	35		144.1	11			
2	TUBBS-06*	SWW		LD		110.9	36		143.1	12			
16	LWW 14-71032	SWW				110.0	37						
22	SY 107	SWW		LD		108.5	38						
12	LCS ARTDECO	SWW		A		98.1	39		120.5	15			
	Site Average					130.7			153.2				
	LSD (0.05)					14.0			13.1				
	CV (%)					7.0			8.2				

[†] The Site Quality Index is based on the relative performance of check varieties to historical means and the degree of variability found within the trial.
Site Quality Index Descriptions:
1 = Poor; Site highly impacted by unusual environmental conditions making data unpublishable
2 = Below Average; Site was impacted by unusual environmental conditions. Variability was high.
3 = Average; Site was average with normal/acceptable environmental conditions. Variability was medium.
4 = Good; Site was representative of surrounding area with minimal environmental impact. Variability was low to medium.
5 = Excellent; Site was highly representative of surrounding area with no environmental impacts. Variability was very low.

[‡] Yield data corrected to 12% moisture; Grain yields shaded in gray are not significantly different from the highest yield at this site.

* Indicates check variety.

[¶] Quality rating based on data from the USDA Western Wheat Quality Laboratory.
Quality Ratings: MD = Most Desirable; D = Desirable; A=Acceptable; LD = Least Desirable; U = Unacceptable

[§]Falling number values represent average values of 2 field replicates, with each field replicate tested twice.
[§]Falling number values in bold are within the 95% confidence interval for the 300 second cutoff value. This is, even if grain is sound [i.e. unaffected by sprout damage or late maturity amylase] with repreated testingsome subsamples may test below 300 seconds.
[§]Falling number values in red bold are below the 95% confidnece interval for the 300 second cutoff value. Accordingly these samples [pending verification] are currently considered putatively sprouted.

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Site Quality Index[†] = 4
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Site Description: Stripe rust was not controlled at this site.
2-Year yield data from 2016 and 2014. Yield data from 2015 was not available due to excessive winter injury.

5 Year Average Test Weight = 60.8 lbs/bu 5 Year Average Grain Protein = 10.5%

Entry	Variety	Class		Test Weight	Plant Height	Heading Date	Lodging	Protein	Stripe Rust	Falling Number[§]
				lbs/bu	inches	DOY	%	%	5/26/2016	Seconds
									% Severity	
5	ROSALYN	SWW		60.9	35.4	119.0	22.5	10.1	8.8	365.3
6	BOBTAIL	SWW		60.6	35.4	118.7	60.0	10.0	0.0	363.5
27	SY 09 PN062#18 (EXP)	SWW		62.4	34.0	122.5	0.0	11.0	8.8	390.3
23	SY OVATION	SWW		61.6	34.4	118.5	2.5	10.7	21.3	369.0
32	ARS 06134-57C	Club		61.2	34.0	125.0	0.0	10.9	35.0	423.8
14	LCS DRIVE	SWW		60.6	31.0	115.0	12.5	10.7	0.0	399.0
4	KASEBERG	SWW		61.2	34.0	118.0	0.0	9.6	28.8	**255.5**
28	SY 09 PN005#25 (EXP)	SWW		60.2	36.4	119.5	0.0	11.2	0.0	425.3
15	LWW 14-73163	SWW		62.8	34.9	118.8	0.0	10.9	0.0	451.5
38	LOR 833	SWW		62.1	34.0	117.0	40.0	11.8	1.3	408.8
10	IDN 06-18102A	SWW		60.2	35.4	121.7	0.0	9.9	25.0	361.8
29	JASPER	SWW		61.9	38.9	121.3	8.3	10.8	5.0	377.8
35	OR 2110526	SWW		62.4	34.0	115.5	75.0	11.4	15.0	395.0
20	EXP BZ6W09-471	SWW		64.0	39.4	119.5	17.5	11.6	5.0	449.8
25	SY 04 PN066-7 (EXP)	SWW		61.2	34.4	118.0	0.0	11.2	3.0	402.8
8	IDN 02-29001A	SWW		63.0	35.9	117.3	0.0	11.6	2.8	398.3
18	WB 1529	SWW		63.3	32.0	116.0	0.0	11.7	6.3	414.0
36	OR 2121086	SWW		62.8	35.4	118.0	0.0	11.5	0.5	387.0
9	IDN 07-28017B	SWW		62.3	34.9	115.0	0.0	11.3	1.3	410.0
17	LWW 14-71195	SWW		58.9	32.5	116.7	0.0	11.9	0.0	386.0
13	LCS BIANCOR	SWW		59.4	31.0	116.8	42.5	10.3	0.0	388.0
24	SY ASSURE (SY 04 PN096-2)	SWW		62.3	32.5	113.3	21.3	11.6	2.5	363.0
7	UI/WSU HUFFMAN	SWW		62.0	34.4	121.3	0.0	10.6	18.8	463.8
11	IDO 1108	SWW		60.9	39.4	126.0	45.0	11.0	52.5	373.5
1	STEPHENS*	SWW		60.6	34.0	114.0	0.0	11.0	72.5	360.5
37	OR 2121252	SWW		60.9	32.0	118.3	0.0	10.1	66.3	387.8
34	OR 2101043	SWW		61.7	35.4	121.8	47.5	11.7	3.5	414.8
26	SY 09 PN077-23 (EXP)	SWW		61.4	35.9	119.0	2.5	11.1	3.8	416.5
19	WB 1604	SWW		63.1	34.0	116.3	0.0	11.5	0.0	392.5
30	WA 8232	SWW		62.9	32.5	120.0	80.0	12.1	17.5	462.5
33	20060126-35C	Club		61.1	37.4	123.0	72.5	12.0	3.0	397.5
21	EXP BZ6W09-489	SWW		63.0	31.5	118.0	2.5	12.5	13.8	442.3
40	NORWEST DUET (LOR 092)	SWW		62.7	39.9	121.0	15.0	11.4	0.5	398.5
31	WA 8206	SWW		62.6	37.4	117.5	85.0	12.1	53.8	373.8
3	MARY	SWW		60.3	33.0	116.0	0.0	10.6	83.8	442.8
2	TUBBS-06*	SWW		60.0	38.9	117.0	47.5	11.7	85.0	388.3
16	LWW 14-71032	SWW		62.0	34.9	118.0	55.0	11.5	6.0	335.8
22	SY 107	SWW		59.8	34.0	121.0	26.3	10.3	81.3	387.8
12	LCS ARTDECO	SWW		58.6	25.6	112.3	23.8	12.0	52.5	395.5
	Site Average			61.5	34.6	118.5	20.5	11.2	20.1	395.4
	LSD (0.05)			1.3	2.8	1.6	34.5	1.0	10.3	47.7
	CV (%)			1.4	5.8	0.9	112.6	6.1	36.6	6.0

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