



CEREAL Newsletter

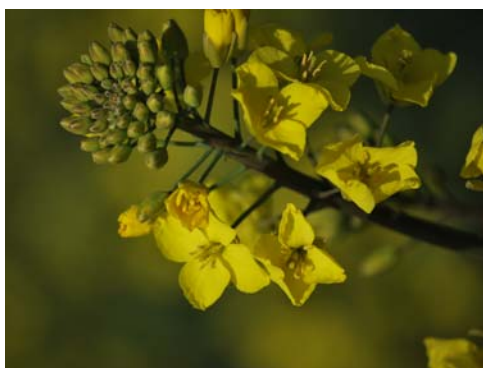
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Early Seeded Canola Taking Root

Early seeded canola – now why didn't I think of that? Thankfully, OSU Soil Scientist Don Wysocki has never given up on canola, even when acreages dropped and prices were in the tank. The result of his dedication, and perhaps just plain stubbornness, is the idea of seeding winter canola in June, instead of August and September, and this idea has taken root in the region. Don first seeded canola in June and again in July of 2010 in a trial at Pendleton on non-irrigated land. He presented his research trials testing the idea in June 2011, and has continued the research project in 2012.



Canola in bloom

Preliminary results from the 2010-11 trial were promising with the June seeding yielding in the 2500-3000 lb. range. The June 17th seeding had a good stand, while the July 7th seeding had a spotty stand but still resulted in positive

yields. These results confirmed again what Don already knew – that if you can get a stand established before September 20th you general will have a good yield. Delay seeding until October 1st waiting for moisture and the yield potential drops by 30%. This research vastly expands the window for successful seeding winter canola. Fields generally have good soil moisture in June.

These preliminary results have resulted in some growers experimenting with the idea in their fields. We have observed a few things to date worthy of note:

- A uniform stand is desirable, but plants in an erratic stand have the ability to branch and fill in over time. Average plant populations as low as 2 plants/sq. ft. can produce full yields when planted early. Stands of 4 plants/sq. ft. are ideal,
- There is no effective broadleaf weed control in canola, so time of early planting and field selection are important. The target is to plant while there is still good seedzone water, but avoid the flush of Russian thistle or kochia. Also avoid fields where these weeds have been a significant problem,
- Aphids may buildup in the summer or fall – but no treatment is

recommended because those leaves will be lost during the winter any way,

- Flea beetles may be a problem at emergence, an insecticide seed treatment is an inexpensive method to avoid this, and
- When planting, be sure to plant winter type canola that has a vernalization requirement so bolting and bloom does not occur until after the winter period.

Research has shown over the years that canola in a wheat fallow rotation has benefits for breaking disease cycles and provides an opportunity to do weed control of grassy weeds. With higher prices and a less risky seeding window, we may continue to see canola acreage increase around the area.

~MKC & DW

SAVE THE DATE!

**Columbia Basin
Cereal Seminar**

November 29, 2012

During the Hermiston Farm Fair

Location: Hermiston Conference Center

New OSU Variety Releases Kaseberg and Ladd

Kaseberg is a 2012 soft white winter wheat release. It is primarily adapted to dryland and irrigated production areas of western and eastern Oregon, southeastern and south central Washington. Its strengths are excellent yield potential across a range of rainfall zones, resistant to current races of stripe rust at a level similar to Skiles, medium stature, a maturity date similar to Legion and Skiles, and to top it all off – excellent milling and baking quality for our end customers.

Weaknesses of note for Kaseberg is that it is similar to Stephens in the disease package – it is susceptible to strawbreaker footrot, Cephalosporium stripe, Fusarium crown rot, and Soilborne Wheat Mosaic Virus.

Ladd is a second new soft white winter wheat release for OSU in 2012. It is primarily adapted to dryland and irrigated production areas of eastern Oregon and southeastern and south central Washington. It is an excellent yielder under irrigation and high rainfall. It is resistant to Soilborne Wheat Mosaic Virus, and strawbreaker footrot. It is moderately resistant to current races of stripe rust – similar to Legion. It is short stature with a maturity similar to Tubbs 06. Both new releases are open releases with PVP pending.

2012 Oregon Soft White Winter Elite Yield Trials

In the following pages, you will find yield trial results from an irrigated trial in Hermiston, and dryland trials from east of Pendleton and east of Milton Freewater. The Rugg site did not have any irrigation before or during the season. The Milton Freewater site is a new location, and therefore on that sheet, I have combined the yield data with the characteristics data. The notes on each location are important for putting the data in perspective. The severe lodging and late season lodging impacted yields at the Milton Freewater site, while the Hermiston location had very little stripe rust. The Hermiston site was impacted by Barley Yellow Dwarf Virus. If you are planning to seed early this fall, I recommend seed treatment for the control of aphids as BYDV can have a significant impact on yields. We have seen increased fall flights of aphids with the increased acreages of field corn in the area and would expect that trend to continue if we have an open and extended fall.

2012 Hales Winter Wheat Variety Trial

Variety	Yield bu/A	Test Wt lb/bu	Protein %
WB Junction	103.5	61.5	9.3
Mary	99.2	60.8	9.2
Skiles SW	96.3	61.9	10.0
WB 528	94.2	61.2	8.5
Stephens	90.3	60.7	9.4
OR 101R	90.2	61.4	9.8
Tubbs 06	90.0	60.1	9.4



Jacob and Michael Hales showing their colors– harvest is finished, and both are headed to OSU this fall!

Planting Date: September 29, 2011

Seeding Rate: 95 lb/A

IH double disk drill, 7 " spacing

Planting conditions: into moisture, Fertilizer: 90N + 15S

Fungicide treatments: Tilt with herbicide in early spring followed later by application of Tebustar



2012 OREGON SOFT WINTER ELITE YIELD TRIALS PENDLETON-RUGGS



Site Quality Index[†] = 4

1 = Poor 3 = Average 5 = Excellent

Site Description: Stripe rust reduced grain yields and test weights of susceptible varieties.

5 Year Average Yield = 110.0 bu/ac

Entry	Variety	Class	2012 Yield Data [‡]		2-Year Yield Data		3-Year Yield Data	
			Yield bu/ac	Rank	Yield bu/ac	Rank	Yield bu/ac	Rank
38	OR2071071	SWW	151.2	1	157.9	1	141.6	1
42	OR08047P94	SWW	147.1	2	153.3	2		
17	ART DECO	SWW	142.4	3	122.2	18		
41	OR2080641	SWW	140.7	4	138.5	3		
45	OR2080924	SWW	138.8	5				
14	970161-3L	SWW	136.7	6				
8	BRUNDAGE 96	SWW	135.9	7	121.2	19	112.8	14
44	OR2080764	SWW	135.4	8				
11	IDO 663	SWW	134.7	9	119.1	20		
34	CARA	Club	133.8	10	136.9	4	128.1	2
24	SY OVATION	SWW	133.1	11	127.2	11		
12	WA 8134	SWW	132.8	12				
2	MADSEN*	SWW	132.4	13	134.9	5	126.2	3
20	WB JUNCTION	SWW	132.1	14	127.2	10	122.3	9
30	AP 700CL	SWW	131.7	15	126.4	13	124.8	5
28	ORI2101835	SWW	130.1	16	124.5	16		
18	LWW04-4009	SWW	129.9	17				
9	BRUNEAU	SWW	129.1	18	130.0	7	124.9	4
6	SKILES	SWW	129.1	19	129.9	8	117.2	12
39	KASEBERG (OR2071628)	SWW	129.1	20	128.9	9	122.5	8
21	LEGION	SWW	128.5	21	134.1	6	124.2	6
15	YS 221	SWW	127.2	22				
19	WESTBRED 528	SWW	126.4	23	114.8	24	111.1	15
31	WB 1070CL	SWW	126.3	24				
13	ARS-AMBER	SWW	126.2	25				
40	OR2071073	SWW	126.0	26	126.8	12		
1	STEPHENS*	SWW	124.2	27	109.2	26	105.4	18
43	OR2070422	SWW	123.9	28				
25	ORCF-101	SWW	123.3	29	126.4	14	123.8	7
36	OR2070608	SWW	121.2	30	125.4	15	117.4	11
10	ID 96-16702A	SWW	121.0	31	116.2	23		
29	UICF-BRUNDAGE	SWW	120.8	32	103.7	27	106.1	17
4	ORSS-1757	SWW	119.3	33	114.5	25	109.3	16
37	LADD (OR2070870)	SWW	118.7	34	116.4	22	116.1	13
33	CODA	Club	115.9	35	122.7	17	118.2	10
35	ARS97230-6C	Club	113.1	36	118.2	21		
27	ORCF-103	SWW	109.9	37	95.3	31	99.4	21
23	AP BADGER	SWW	109.2	38	99.3	29	101.5	20
7	MARY	SWW	108.4	39	102.4	28	103.5	19
5	GOETZE	SWW	99.5	40	85.6	33	81.8	23
16	YS 215	SWW	91.5	41				
32	WB 1066CL	SWW	90.2	42	98.1	30		
26	ORCF-102	SWW	90.2	43	87.7	32	99.2	22
3	TUBBS 06*	SWW	84.5	44	75.3	34	76.5	24
22	AP LEGACY	SWW	29.8	45	32.0	35	50.1	25
	Site Average		121.8		116.6		110.6	
	LSD (0.05)		12.2		8.8		6.6	
	CV (%)		6.2		7.2		7.0	

[†] 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.



2012 OREGON SOFT WINTER ELITE YIELD TRIALS PENDLETON-RUGGS



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

Site Description: Stripe rust reduced grain yields and test weights of susceptible varieties.

5 Year Average Test Weight = 60.1 lbs/bu 5 Year Average Grain Protein = 10.3%

Entry	Variety	Class	Test Weight lbs/bu	Plant Height inches	Lodging %	Protein %	Stripe Rust %
38	OR2071071	SWW	60.9	41.3	13.3	9.7	0.0
42	OR08047P94	SWW	60.2	41.3	0.0	9.4	0.5
17	ART DECO	SWW	60.1	38.7	0.0	8.9	6.0
41	OR2080641	SWW	62.1	43.3	16.7	9.7	0.5
45	OR2080924	SWW	60.4	42.0	26.7	9.8	0.0
14	970161-3L	SWW	62.8	44.6	0.0	10.1	0.0
8	BRUNDAGE 96	SWW	61.4	44.0	26.7	9.7	4.3
44	OR2080764	SWW	58.5	39.4	0.0	10.2	0.0
11	IDO 663	SWW	62.0	42.0	0.0	10.2	12.5
34	CARA	Club	60.9	43.3	20.0	9.9	0.0
24	SY OVATION	SWW	61.1	42.0	0.0	9.7	11.3
12	WA 8134	SWW	61.4	46.6	13.3	10.3	4.3
2	MADSEN*	SWW	61.3	43.3	20.0	10.6	0.0
20	WB JUNCTION	SWW	61.3	40.7	40.0	10.0	1.0
30	AP 700CL	SWW	60.8	43.3	0.0	10.5	0.0
28	ORI2101835	SWW	59.9	44.0	0.0	10.3	0.0
18	LWW04-4009	SWW	62.2	40.0	6.7	9.3	1.5
9	BRUNEAU	SWW	61.8	43.3	10.0	10.2	2.0
6	SKILES	SWW	61.6	42.0	0.0	10.7	0.5
39	KASEBERG (OR2071628)	SWW	61.2	39.4	13.3	9.3	2.3
21	LEGION	SWW	60.8	45.3	0.0	10.2	0.0
15	YS 221	SWW	62.7	40.7	16.7	8.9	0.0
19	WESTBRED 528	SWW	61.5	42.7	3.3	9.9	0.5
31	WB 1070CL	SWW	61.9	40.7	0.0	10.0	2.3
13	ARS-AMBER	SWW	60.7	45.3	0.0	9.5	1.5
40	OR2071073	SWW	60.6	40.0	3.3	9.8	15.0
1	STEPHENS*	SWW	62.2	44.0	16.7	9.4	7.5
43	OR2070422	SWW	59.9	43.3	0.0	10.2	1.0
25	ORCF-101	SWW	58.0	40.7	0.0	11.0	3.8
36	OR2070608	SWW	61.1	41.3	0.0	11.2	2.0
10	ID 96-16702A	SWW	61.9	42.0	13.3	9.2	18.8
29	UICF-BRUNDAGE	SWW	60.4	42.7	3.3	9.4	11.8
4	ORSS-1757	SWW	60.4	42.0	0.0	9.2	3.5
37	LADD (OR2070870)	SWW	61.3	39.4	10.0	10.7	7.5
33	CODA	Club	63.1	44.0	6.7	10.4	0.0
35	ARS97230-6C	Club	61.5	40.7	20.0	9.9	5.5
27	ORCF-103	SWW	60.4	42.7	6.7	9.9	6.3
23	AP BADGER	SWW	60.5	39.4	0.0	10.2	27.5
7	MARY	SWW	60.3	40.0	30.0	9.3	13.8
5	GOETZE	SWW	59.5	40.0	0.0	10.2	23.8
16	YS 215	SWW	61.3	43.3	26.7	10.3	13.8
32	WB 1066CL	SWW	62.5	44.6	0.0	11.3	0.0
26	ORCF-102	SWW	59.8	44.0	10.0	9.9	11.8
3	TUBBS 06*	SWW	58.5	47.9	0.0	10.4	28.8
22	AP LEGACY	SWW	54.9	42.7	13.3	10.1	45.0
	Site Average		60.8	42.3	8.6	10.0	6.6
	LSD (0.05)		3.1	2.5	32.5	1.1	7.8
	CV (%)		3.1	3.7	233.0	6.9	83.9

[†] 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.

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- 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.



2012 OREGON SOFT WINTER ELITE YIELD TRIALS HERMISTON



Site Quality Index[†] = 2.5

1 = Poor 3 = Average 5 = Excellent

Site Description: Severe and uniform Barley Yellow Dwarf Virus reduced grain yields and delayed maturity at this site.

3-Year yield data is not available for this site.

5 Year Average Yield = 120.4 bu/ac

Entry	Variety	Class	2012 Yield Data [‡]		2-Year Yield Data		3-Year Yield Data	
			Yield bu/ac	Rank	Yield bu/ac	Rank	Yield bu/ac	Rank
42	OR08047P94	SWW	147.0	1	148.6	1		
7	MARY	SWW	135.5	2	123.2	11		
25	ORCF-101	SWW	133.0	3	141.1	2		
5	GOETZE	SWW	132.8	4	98.5	31		
23	AP BADGER	SWW	130.5	5	116.6	16		
29	UICF-BRUNDAGE	SWW	129.1	6	112.6	18		
34	CARA	Club	125.8	7	136.4	4		
41	OR2080641	SWW	125.7	8	125.0	9		
17	ART DECO	SWW	125.3	9	110.5	23		
26	ORCF-102	SWW	124.3	10	110.9	20		
38	OR2071071	SWW	123.2	11	140.1	3		
16	YS 215	SWW	122.8	12				
40	OR2071073	SWW	121.2	13	126.7	8		
19	WESTBRED 528	SWW	119.8	14	106.4	27		
39	KASEBERG (OR2071628)	SWW	118.6	15	127.2	7		
37	LADD (OR2070870)	SWW	118.1	16	128.9	6		
31	WB 1070CL	SWW	118.1	17				
12	WA 8134	SWW	116.4	18				
44	OR2080764	SWW	116.3	19				
15	YS 221	SWW	115.2	20				
20	WB JUNCTION	SWW	114.1	21	120.7	12		
6	SKILES	SWW	113.6	22	124.0	10		
4	ORSS-1757	SWW	112.9	23	112.5	19		
8	BRUNDAGE 96	SWW	112.3	24	117.8	15		
24	SY OVATION	SWW	112.0	25	131.6	5		
43	OR2070422	SWW	110.0	26				
10	ID 96-16702A	SWW	109.7	27	110.7	21		
1	STEPHENS*	SWW	109.6	28	106.7	26		
14	970161-3L	SWW	108.1	29				
13	ARS-AMBER	SWW	108.0	30				
36	OR2070608	SWW	106.6	31	120.1	13		
45	OR2080924	SWW	104.9	32				
9	BRUNEAU	SWW	104.2	33	116.3	17		
3	TUBBS 06*	SWW	104.2	34	81.7	34		
2	MADSEN*	SWW	103.1	35	118.0	14		
33	CODA	Club	101.6	36	110.7	22		
35	ARS97230-6C	Club	98.5	37	109.5	25		
27	ORCF-103	SWW	98.2	38	90.2	33		
11	IDO 663	SWW	97.5	39	103.0	30		
28	ORI2101835	SWW	96.8	40	104.1	28		
21	LEGION	SWW	91.6	41	109.8	24		
18	LWW04-4009	SWW	89.7	42				
22	AP LEGACY	SWW	82.1	43	56.3	35		
30	AP 700CL	SWW	80.9	44	96.2	32		
32	WB 1066CL	SWW	73.3	45	103.4	29		
	Site Average		111.9		114.2			
	LSD (0.05)		11.5		8.3			
	CV (%)		7.2		7.3			

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- 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.



2012 OREGON SOFT WINTER ELITE YIELD TRIALS HERMISTON



Site Quality Index[†] = 2.5
1 = Poor 3 = Average 5 = Excellent

Site Description: Severe and uniform Barley Yellow Dwarf Virus reduced grain yields and delayed maturity at this site.
3-Year yield data is not available for this site.

5 Year Average Test Weight = 60.0 lbs/bu 5 Year Average Grain Protein = 10.1%

Entry	Variety	Class	Test Weight lbs/bu	Plant Height inches	Heading Date DOY	Protein %	Barley Yellow Dwarf Virus 1-10 Scale
42	OR08047P94	SWW	61.2	34.8	138.0	9.3	1.3
7	MARY	SWW	63.0	36.8	140.8	10.2	1.3
25	ORCF-101	SWW	62.4	37.8	135.0	9.7	1.3
5	GOETZE	SWW	62.1	35.3	135.0	10.2	3.5
23	AP BADGER	SWW	60.9	35.0	137.3	9.7	2.8
29	UICF-BRUNDAGE	SWW	62.5	33.3	139.0	10.3	1.0
34	CARA	Club	60.9	36.5	138.0	10.3	2.5
41	OR2080641	SWW	62.0	36.8	138.0	9.7	3.3
17	ART DECO	SWW	61.5	34.5	135.0	9.9	3.5
26	ORCF-102	SWW	62.6	42.5	141.5	10.3	2.8
38	OR2071071	SWW	60.4	32.8	141.0	9.4	2.5
16	YS 215	SWW	62.7	37.0	139.0	9.7	1.8
40	OR2071073	SWW	61.0	35.8	141.0	9.7	2.8
19	WESTBRED 528	SWW	63.5	38.8	135.0	10.2	3.8
39	KASEBERG (OR2071628)	SWW	61.2	34.8	138.0	9.0	1.8
37	LADD (OR2070870)	SWW	61.5	35.0	138.0	10.3	2.5
31	WB 1070CL	SWW	64.0	36.0	135.0	10.0	4.3
12	WA 8134	SWW	61.5	39.0	139.0	10.5	3.5
44	OR2080764	SWW	59.1	36.5	140.0	10.7	3.0
15	YS 221	SWW	63.8	34.0	140.0	9.8	1.8
20	WB JUNCTION	SWW	63.8	37.5	135.0	10.4	5.5
6	SKILES	SWW	63.1	36.3	138.0	10.8	3.3
4	ORSS-1757	SWW	61.7	36.5	138.0	9.8	2.0
8	BRUNDAGE 96	SWW	61.9	38.0	137.3	10.8	4.8
24	SY OVATION	SWW	62.6	36.8	139.0	10.4	2.8
43	OR2070422	SWW	60.3	36.5	142.0	10.4	3.3
10	ID 96-16702A	SWW	63.7	37.8	138.0	10.3	6.3
1	STEPHENS*	SWW	62.1	35.0	135.8	10.5	4.5
14	970161-3L	SWW	63.1	36.0	142.0	10.6	5.5
13	ARS-AMBER	SWW	61.5	35.0	142.0	9.9	6.8
36	OR2070608	SWW	60.7	34.5	139.0	9.6	1.8
45	OR2080924	SWW	58.6	35.5	142.0	10.2	3.5
9	BRUNEAU	SWW	61.8	37.0	141.0	10.3	4.3
3	TUBBS 06*	SWW	61.8	39.3	138.0	10.7	5.8
2	MADSEN*	SWW	62.1	35.3	141.0	10.8	3.3
33	CODA	Club	62.3	36.8	142.0	10.1	3.8
35	ARS97230-6C	Club	62.4	34.0	142.0	10.0	7.3
27	ORCF-103	SWW	61.0	37.8	139.0	9.9	3.8
11	IDO 663	SWW	62.9	37.3	139.0	11.2	4.0
28	ORI2101835	SWW	61.7	37.8	140.0	10.6	6.3
21	LEGION	SWW	60.3	36.3	146.0	10.5	6.8
18	LWW04-4009	SWW	63.0	34.0	150.0	10.3	3.3
22	AP LEGACY	SWW	61.2	36.0	142.0	10.1	5.0
30	AP 700CL	SWW	60.6	36.3	141.0	11.5	4.5
32	WB 1066CL	SWW	64.1	39.5	135.8	12.0	6.8
	Site Average		61.9	36.3	139.3	10.2	3.7
	LSD (0.05)		0.7	2.0	2.0	0.7	1.2
	CV (%)		0.8	5.6	1.7	5.1	23.8

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- 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.



2012 OREGON SOFT WINTER ELITE YIELD TRIALS
MILTON-FREEWATER



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

Site Description: New site for 2012. Severe lodging increased plot to plot variability and reduced test weight at this site.
Late-season stripe rust reduced grain yield of susceptible varieties.

Entry	Variety	Class	2012 Yield Data [‡]		Test Weight lbs/bu	Plant Height inches	Lodging %	Protein %
			Yield bu/ac	Rank				
24	SY OVATION	SWW	155.3	1	60.6	42.3	30.0	10.8
45	OR2080924	SWW	157.2	2	60.2	42.3	0.0	10.3
6	SKILES	SWW	148.2	3	61.9	40.4	28.8	11.0
38	OR2071071	SWW	147.2	4	59.1	40.4	30.0	10.3
42	OR8047P94	SWW	146.6	5	58.7	40.4	18.8	10.9
31	WB 1070CL	SWW	146.1	6	63.3	42.3	66.3	11.5
19	WESTBRED 528	SWW	146.0	7	61.3	42.3	80.0	10.9
39	KASEBERG (OR2071628)	SWW	145.6	8	58.9	39.9	60.0	10.5
5	GOETZE	SWW	142.9	9	60.6	39.9	17.5	10.5
17	ART DECO	SWW	142.7	10	60.8	38.4	70.0	10.2
34	CARA	Club	142.4	11	59.7	40.4	57.5	10.8
7	MARY	SWW	141.6	12	62.2	41.8	37.5	10.9
20	WB JUNCTION	SWW	141.4	13	60.4	41.8	87.5	11.0
23	AP BADGER	SWW	141.1	14	59.8	38.4	0.0	10.2
30	AP 700CL	SWW	139.5	15	61.5	43.8	27.5	11.2
25	ORCF-101	SWW	139.3	16	61.2	40.8	1.3	11.2
11	IDO 663	SWW	135.7	17	60.8	41.8	77.5	11.0
41	OR2080641	SWW	134.9	18	59.8	42.3	1.3	10.7
26	ORCF-102	SWW	134.4	19	60.6	44.8	40.0	10.6
18	LWW04-4009	SWW	133.3	20	60.6	40.8	72.5	10.8
37	LADD (OR2070870)	SWW	132.9	21	59.3	38.9	2.5	11.4
2	MADSEN*	SWW	130.7	22	60.0	43.8	28.8	11.7
4	ORSS-1757	SWW	129.9	23	60.6	43.3	88.8	10.3
29	UICF-BRUNDAGE	SWW	127.8	24	60.4	39.9	2.5	11.0
1	STEPHENS*	SWW	127.6	25	59.7	42.3	30.0	11.1
44	OR2080764	SWW	127.3	26	58.5	40.4	80.0	10.7
16	YS 215	SWW	126.8	27	58.3	41.8	66.3	10.9
36	OR2070608	SWW	126.2	28	59.6	39.9	61.3	11.1
40	OR2071073	SWW	125.5	29	58.8	39.4	35.0	10.6
21	LEGION	SWW	124.1	30	58.6	44.3	85.0	10.5
14	970161-3L	SWW	124.0	31	61.2	40.8	42.5	11.0
8	BRUNDAGE 96	SWW	123.7	32	59.8	43.3	45.0	11.6
35	ARS97230-6C	Club	121.7	33	58.8	39.4	67.5	10.7
12	WA 8134	SWW	121.1	34	59.4	44.3	70.0	10.9
15	YS 221	SWW	120.5	35	61.1	41.3	73.8	10.7
43	OR2070422	SWW	119.4	36	57.2	43.3	7.5	10.8
27	ORCF-103	SWW	117.5	37	59.6	43.3	63.8	10.9
10	ID 96-16702A	SWW	117.2	38	60.1	44.3	95.0	10.6
13	ARS-AMBER	SWW	113.5	39	59.1	43.3	65.0	10.6
9	BRUNEAU	SWW	112.6	40	58.8	42.3	92.5	10.6
28	ORI2101835	SWW	110.6	41	59.7	44.8	53.8	11.8
32	WB 1066CL	SWW	107.8	42	61.8	44.3	80.0	12.5
3	TUBBS 06*	SWW	103.9	43	58.5	44.8	82.5	10.7
33	CODA	Club	88.4	44	59.2	41.8	95.0	12.2
22	AP LEGACY	SWW	78.0	45	58.7	44.8	18.8	10.4
	Site Average		129.4		60.0	41.9	49.7	10.9
	LSD (0.05)		14.9		1.8	1.8	31.1	0.7
	CV (%)		8.1		2.1	3.1	44.7	4.4

[†]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 unpublshable.
- 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.

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CALENDAR

September, October, November, December

Oct. 21-24 **ASA International Annual Meeting**

Location: Cincinnati, OH
Contact: www.acsmeetings.org/

Nov. 6 **Oregon Ag Safety Seminar**

Location: Red Lion Inn, Pendleton
Contact: Richard 503-370-7024

Nov. 7-9 **WA State Weed Conference**

Location: Yakima Convention Center
Yakima, WA
Contact: 509-783-4676

Nov. 12-14 **Tri-State Grain Growers Convention**

Location: The Coeur d'Alene Resort, Idaho
Contact: www.washingtongrainalliance.com
800-598-6890

Nov. 28-30 **Hermiston Farm Fair & Trade Show**

Location: Hermiston Conference Center
Contact: Chamber of Commerce
541-567-8321

Nov. 29 **Columbia Basin Cereal Seminar**

Location: Hermiston Conference Center
During the Hermiston Farm Fair



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