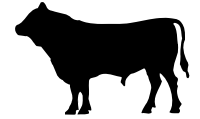


Oregon State University Extension Service
The Prompter / Rancher Review
A Union, Baker and Wallowa County Farm & Ranch Newsletter



September 2009



Calendar of Events

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|---------------|--|
| September 30 | Selecting Winter Wheat Varieties Update – Ag Service Center Conference Room, OSU Extension Service – Union Co. |
| September 30 | **Sales Deadline Date for several USDA-Risk Management Agency Commodity Insurance Programs including: winter coverage for mint, Wheat Crop Revenue Coverage (CRC), Wheat Income Protection, and Wheat Plan 90. |
| October 20-21 | Oregon Society of Weed Science Annual Meeting – Hood River |
| October 20 | Union Co. Farmer-Merchant Banquet – LaGrande
Contact: Chamber of Commerce 541-963-8588 |
| November 9-10 | Grass Seed Cropping Systems for Sustainable Ag Research Review – Portland, OR |
| November 20 | **Sales Deadline Date for USDA-Risk Management Agency Commodity Insurance Program for Cherry – Actual Revenue History. |
| December 1-3 | Oregon/Idaho Grains Conference - Coeur d'Alene, ID |
| December 2-4 | Hermiston Farm Fair & Trade Show – Hermiston Conference Center |
| December 7-8 | Oregon Seed League & NW Fine Fescue Association Annual Meeting –Salem |

**Fact sheets on all USDA-RMA Commodity Insurance Programs are available online at http://www.rma.usda.gov/aboutrma/fields/wa_rso/. Policies are available through participating private insurance providers. For a listing of crop insurance agents, visit the RMA web site at <http://www.rma.usda.gov/tools/agent.html>.

Registration information can be found at:

<http://extension.oregonstate.edu/union/announcements/oregon-society-weed-science-annual-meeting>

Oregon Society of Weed Science -- 2009 Tentative Schedule

Tuesday, October 20, 2009		
Time	Title of Presentation	Speaker
8:30 - 8:45	Opening Address	Bryan Kerr
8:45 - 9:45	Optimizing "Herbicide Ballistic Technology" to control invasive weeds in natural areas	James Leary, Assistant Specialist, Invasive Weed Management, University of Hawaii
9:45 - 10:30	Noxious weeds-A biological wildfire	Kimberly Edvarchuk, Research Associate, University of Hawaii
10:30 - 10:45 Break		
10:45 - 11:15	Integrated management of Medusahead and Downy Brome in central OR rangeland	Dan Commingore, Wilbur Ellis, Madras
2:30-2:45	OSU Grass Seed and Oil Seed Weed Studies, 2008-09	Dan Curtis, OSU
2:45 - 3:00	An Overview of OSU Wheat, Vetch, Mint and Teff Weed Studies	Barbra Hinds Cook, OSU
3:00 - 3:15 Break		
3:15 - 3:45	Review of the mode of action of Group 3 Dinitroaniline herbicides	Brian Busch, BASF
3:45 - 4:15	Update on the incidence of Jointed Goatgrass hybridization within Clearfield winter wheat in OR	Bianca Martins Grad Student, OSU
4:15 - 4:45	Introduction to the use of Pyroxasulfone for use in winter wheat and grasses grown for seed	Andy Hulting, OSU
5:00 - 6:00 Social Hour		
Wednesday, October 21, 2009		
8:15 - 8:45	Biology and management of dodder in alfalfa and clover	Joel Felix, OSU, Malheur
8:45 - 9:15	What future regulations and issues are in store for the use of 2,4-D	Jim Gray, 2-4D Task Force, Kansas City
9:15 - 9:30	Industry Product and Research Updates	Norm McKinley, DuPont
9:30-9:45	Industry Product and Research Updates	Gary Melchoir, Gowan
9:45 - 10:00 Break		
10:00 - 10:15	Industry Product and Research Updates	Marty Schraer, Syngenta
10:15 - 10:30 Industry Product and Research Updates		
10:30 - 10:45 Industry Product and Research Updates		
10:45 - 11:30	Role of the Oregon Invasive Species Council in managing invasive weed species in OR	Lisa A. Debruyckere, ODA Invasive Species Council Coordinator
11:30 - 11:45 OSU Weed Research Report from Central Oregon		
11:45 - 12:00 OSU Weed Science Dept. Report for Western OR		
12:00 - 12:15	Weed control in dryland crops and grass seed production in Eastern Oregon	Larry Bennett, OSU, Pendleton
12:30 - 1:30 Lunch + OSWS Business Meeting		
1:30 Adjourn		

Oregon's Pesticide Use Reporting System Suspended

As directed by the State legislature, the Oregon Department of Agriculture has suspended its Pesticide Use Reporting System (PURS) until January 2013 at the earliest. Those required to report their pesticide use online will no longer need to file reports until further notice. The electronic reporting system will no longer allow reports to be filed. State budget constraints forced PURS to be suspended for the current biennium and beyond.



Even though some users had filed reports for 2009 pesticide use, there is no longer a requirement to continue reporting at this time. Those who had to report 2009 use will not need to and will not face any enforcement action for failing to report.

Requirements under federal and state laws to keep records of pesticide use are independent of PURS. Those record keeping requirements are still in place even while PURS is not available.

Producers Advised to Apply for New Conservation Stewardship Program by September 30

PORTLAND, OR (Aug. 20, 2009) - Agricultural producers and operators of non-industrial private forest are urged to apply for the new conservation Stewardship Program before September 30 to be considered for this year's funding. Through this voluntary program, producers have the opportunity to receive conservation payments through the USDA, Natural Resources Conservation Service (NRCS).

NRCS is accepting applications on a continuous basis. Applicants will be evaluated and ranked for funding competitively within the state, based on the conservation they agree to install and maintain on their land.

Conservation Stewardship Program rules were recently approved, and signup for the 2009 funding cycle closed on September 30. As more applications are accepted through the continuous signup in future years, competition for enrollment is likely to increase.



“Due to the shorter timeframe, we encourage producers to sign up as soon as they can,” Oregon NRCS State Conservationist Ron Alvarado said.

In Oregon, individuals, entities and tribes have the opportunity to enroll just over 200, 000 acres of working cropland, grazing land, or non-industrial private forestland in Fiscal Year 2009.

Payment rates have not been established, however national estimates for projected payment ranges have been released.

Conservation Stewardship Program -Nationally Estimated Range for Annual Payments -	
Cropland	\$12 to \$22 per acre
Non-industrial Private Forestland	\$6 to \$12 per acre
Pastureland	\$7 to \$14 per acre
Rangeland	\$5 to \$10 per acre
Establishment of Resource- Conservation Crop Rotations	\$12 to \$16 per acre

Final payment rates will be determined this fall, and pre-approved 2009 applicants will be notified of their payments, which cannot exceed \$40,000 per year. Those who then decide to enter into a program contract will receive their first annual payment in October of 2010.

For participation in 2009, applicants must complete the following steps before September 30:

- Complete a Self-Screening Checklist to determine if the program is a good fit.
- Work with the local USDA Service Center to verify program eligibility.
- Submit a program application form
- Submit an operation map, aerial photograph or overlay.

Once these steps are completed, NRCS will work with applicants to gather further information about the land, select additional conservation activities, conduct field visits, and develop a stewardship plan.

For additional information about the Conservation Stewardship Program, please go online to: <http://www.or.nrcs.usda.gov/programs/csp/index.html> or visit your local NRCS field office. For more information on how payment rates will be determined, visit the National NRCS Web site at: http://www.nrcs.usda.gov/programs/new_csp/special_pdfs/payment_range_estimate_081309.pdf

2009 Union Co. Farmer-Merchant Banquet

October 20, 2009

6:00—9:00 PM

Blue Mt. Conference Center

Contact the Chamber of Commerce for Tickets at 541-963-8588

All tickets must be reserved by October 14, 2009.

Selecting Winter Wheat Varieties for NE Oregon

Join us for an interactive session with Mike Flowers, OSU Extension Cereal Specialist, to discuss selecting varieties of winter wheat for your production system and variety testing trials conducted in NE Oregon. Growers, agriculture service providers, seed suppliers and anyone else interested in wheat production located in Union, Baker, and Wallowa County is invited and encouraged to participate in this local event!

Date: September 30, 2009

Time: 7:30 a.m. to 9:00 a.m.

Location: Ag Service Center Conference Room, 10507 North McAlister Road, LaGrande, OR

Contact: Darrin L. Walenta, OSU Ext. – Union Co. 541-963-1010

OSU Winter Elite Yield Trials – Soft White and Hard Red/White Winter Wheat Varieties:

The OSU Winter Elite Yield Trial Program (WEYT) developed by Dr. Jim Peterson, OSU Wheat Breeder, and Dr. Mike Flowers, OSU Extension Cereal Specialist, is designed to screen promising experimental lines along side selected public/private varieties in at least 9 sites across the state.

The information generated from the WEYT testing program is of great benefit to growers by providing variety performance data that can help you select a variety(ies) with agronomic qualities to help minimize risk from crop disease and environmental stress while maximizing yield potential for your production system. Such information is valuable given the numerous public and private varieties currently available.



In 2009, two of the WEYT trials were conducted in NE Oregon (irrigated sites) at Trico Farms (near LaGrande) and Agri-Star Farms (near North Powder). Portions of the data set are included in this newsletter, however, the complete data set can be accessed at the OSU Wheat Improvement Program web site at <http://cropandsoil.oregonstate.edu/wheat/>. If you have an interest in hard red winter wheat and soft white club wheat variety performance in NE Oregon, you can view results from drill strip trials I conducted in 2007 and 2002 at our Union County web site at <http://extension.oregonstate.edu/union/index.php> under the “Latest News” link.

2009 Oregon Soft Winter Elite Yield Trials - LaGrande									
Site Quality Index [†] = 4									
1 = Poor 3 = Average 5 = Excellent									
Site Description: Environmental conditions had minimal impact at this site.									
Entry	Variety	Class	2009 Yield Data [‡]		2009 Agronomic Data				
			Yield bu/ac	Rank	Test Weight lbs/bu	Plant Height inches	Protein %	Stripe Rust Rating %	RT
37	OR2060431	SWW	164.2	1	54.7	36.7	10.8	33.3	MS/S
17	WESTBRED 528	SWW	162.8	2	60.2	35.3	10.9	0.0	R
29	CARA	Club	161.6	3	57.3	39.7	11.8	0.0	R
26	ID00859	SWW	160.7	4	58.2	34.3	11.6	3.3	R
27	AP700CL	SWW	160.6	5	58.5	39.7	11.3	0.0	R
4	TUBBS	SWW	159.6	6	58.8	39.0	10.9	30.0	MS
40	OR2050853	SWW	159.0	7	57.8	37.7	10.9	10.0	MR
23	ORCF-102	SWW	158.4	8	60.0	39.7	11.0	0.0	R
34	OR2060324	SWW	158.2	9	56.8	35.3	10.5	0.0	R
12	ID D-05	SWW	158.0	10	58.8	36.7	11.8	46.7	MS/S
20	AP LEGACY	SWW	157.4	11	59.7	39.7	11.2	0.0	R
9	BRUNDAGE 96	SWW	157.2	12	58.0	37.0	11.5	0.0	R
31	OR2040726	SWW	156.3	13	59.3	34.3	10.6	0.0	R
39	OR2060926	SWW	156.1	14	54.5	36.3	11.1	0.0	R
30	OR2050910	SWW	155.9	15	58.3	36.7	11.0	0.0	R
18	SALUTE	SWW	155.4	16	57.1	39.3	12.0	0.0	R
5	TUBBS 06	SWW	154.8	17	58.4	40.3	11.2	26.7	MS/MR
33	OR2050301	SWW	154.7	18	55.8	35.7	10.4	3.3	R
35	OR2060181	SWW	154.1	19	56.0	37.0	10.4	53.3	S/MS
14	GOETZE / SKILES BLEND	SWW	153.8	20	58.5	35.3	11.1	0.0	R
16	XERPHA	SWW	153.7	21	58.9	41.3	11.4	23.3	MS/MR
7	GOETZE	SWW	152.5	22	57.2	34.0	11.3	0.0	R
38	OR2060916	SWW	152.2	23	56.2	34.3	10.5	56.7	S/MS
13	SKILES / TUBBS 06 BLEND	SWW	150.0	24	58.9	39.3	11.7	11.7	MR/MS
32	OR2050293	SWW	149.9	25	57.8	34.7	10.6	1.7	R
2	MADSEN*	SWW	148.7	26	59.3	37.3	11.9	0.0	R
36	OR2060395	SWW	148.6	27	57.3	35.7	10.3	0.0	R
22	ORI2060306	SWW	147.3	28	59.4	35.7	11.8	0.0	R
21	ORCF-101	SWW	147.1	29	58.9	36.0	11.7	0.0	R
10	BITTERROOT	SWW	146.9	30	59.8	41.3	11.5	0.0	R
8	SKILES	SWW	146.7	31	59.4	36.7	11.2	0.0	R
11	BRUNEAU	SWW	146.6	32	58.2	39.7	11.5	0.0	R
24	ORCF-101 / ORCF-102 BLEND	SWW	146.0	33	58.9	37.7	11.6	0.0	R
6	ORSS-1757	SWW	145.8	34	57.8	36.7	11.1	0.0	R
1	STEPHENS*	SWW	145.2	35	57.4	36.7	11.2	1.7	R
19	LEGION	SWW	144.6	36	57.3	40.0	11.2	0.0	R
3	GENE*	SWW	141.6	37	57.3	34.7	11.4	1.7	R
15	MASAMI	SWW	141.4	38	57.9	39.7	11.4	0.0	R
25	ORCF-103	SWW	134.4	39	57.9	38.7	11.2	0.0	R
28	CODA	Club	128.3	40	58.4	39.7	12.2	0.0	R
Site Average			151.9		58.0	37.4	11.2	7.6	
LSD (0.05)			16.6		1.2	1.8	0.9	7.3	
CV (%)			6.7		1.3	3.0	5.0	59.5	

[†] 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 unpubishable
- 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.

2009 Oregon Hard Winter Elite Yield Trials - LaGrande

Site Quality Index[†] = 4

1 = Poor 3 = Average 5 = Excellent

Site Description: Environmental conditions had minimal impact at this site.

Entry	Variety	Class	2009 Yield Data [‡]		2009 Agronomic Data		
			Yield bu/ac	Rank	Test Weight lbs/bu	Plant Height inches	Protein %
18	BC002-2-2	HRW	156.5	1	61.5	37.7	10.5
17	WHETSTONE	HRW	155.2	2	61.9	37.7	11.1
21	OR2050042H	HWW	152.6	3	60.4	37.7	11.0
7	IDO621	HRW	152.4	4	61.1	37.3	11.4
19	NUDAKOTA	HWW	148.9	5	61.0	34.3	10.4
14	SINOPE	HRW	147.4	6	53.2	34.0	10.6
23	OR2070093H	HWW	146.5	7	59.9	36.7	10.8
1	STEPHENS*	SWW	146.2	8	57.3	36.7	10.5
4	TUBBS 06	SWW	145.3	9	57.0	39.0	10.8
22	OR2050275H	HWW	145.0	10	59.9	37.3	10.9
5	NORWEST 553	HRW	144.9	11	60.8	32.3	11.0
20	OR2052046H	HWW	143.0	12	60.3	35.7	11.0
30	OR2070182H	HWW	142.7	13	57.7	36.0	10.8
8	DECLO	HRW	142.3	14	58.9	38.0	10.6
25	OR2070137H	HWW	142.2	15	60.4	37.0	11.2
26	OR2070138H	HWW	142.2	16	60.2	37.0	10.9
27	OR2070139H	HWW	141.8	17	59.9	37.0	10.7
13	ILLIAS	HRW	141.4	18	58.5	43.3	11.4
15	AGRIPRO PALADIN	HRW	141.1	19	62.0	38.3	11.4
29	OR2070181H	HWW	140.9	20	58.7	35.3	10.7
24	OR2070136H	HWW	138.2	21	59.8	38.0	11.0
28	OR2070142H	HWW	137.1	22	60.0	37.3	10.8
16	PALOMINO	HWW	136.2	23	60.9	35.0	11.1
11	EDDY	HRW	135.4	24	60.0	38.0	11.1
12	ACS52025	HRW	135.0	25	59.1	36.3	10.8
3	N97S277	HWW	133.8	26	58.4	36.0	10.9
6	BOUNDARY	HRW	133.0	27	60.4	39.3	11.3
9	BAUERMEISTER	HRW	126.1	28	57.9	40.0	10.6
2	ELTAN*	SWW	125.0	29	57.1	42.3	10.8
10	FARNUM	HRW	100.7	30	57.5	45.7	11.0
	Site Average		140.7		59.4	37.5	10.9
	LSD (0.05)		14.9		1.7	1.9	0.5
	CV (%)		6.4		1.7	3.1	2.6

[†] 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.

Grain yields in bold met or exceeded the protein targets for their class.

* Indicates check variety.

2009 Oregon Soft White Winter Wheat Elite Yield Trials - Yield Summary													
Entry	Variety	Class	Condon bu/ac	Corvallis bu/ac	Hermiston bu/ac	LaGrande bu/ac	Lexington bu/ac	Madras bu/ac	Moro - Kaseberg bu/ac	Moro bu/ac	Pendleton- Ruggs bu/ac	9-Site Mean bu/ac	9-Site Rank
			SQI = 2	SQI = 4	SQI = 2	SQI = 4	SQI = 2.5	SQI = 3	SQI = 2	SQI = 3.5	SQI = 3		
36	OR2060395	SWW	28.6	124.9	116.0	148.6	31.3	153.5	64.7	89.7	113.8	95.8	1
34	OR2060324	SWW	32.2	131.9	101.5	158.2	32.4	153.4	63.2	90.4	107.4	96.7	2
14	GOETZE / SKILES BLEND	SWW	33.2	122.4	114.3	153.8	31.5	139.8	66.4	93.1	114.1	96.5	3
17	WESTBRED 528	SWW	28.6	131.5	118.3	162.8	24.4	144.9	65.2	81.9	106.2	96.0	4
40	OR2050853	SWW	29.2	136.7	96.9	159.0	32.5	160.4	58.1	81.4	109.5	94.9	5
23	ORCF-102	SWW	33.3	123.7	113.4	158.4	34.0	136.1	58.6	90.3	105.7	94.8	6
31	OR2040726	SWW	31.5	122.2	110.0	156.3	31.5	153.7	56.5	89.8	100.5	94.7	7
30	OR2050910	SWW	32.4	129.4	91.6	155.9	31.5	154.7	52.8	83.9	112.7	93.9	8
7	GOETZE	SWW	32.9	128.1	118.1	152.5	32.5	128.2	56.7	89.2	106.3	93.8	9
4	TUBBS	SWW	34.8	116.8	95.7	159.6	31.6	147.1	56.4	84.0	115.6	93.5	10
5	TUBBS 06	SWW	38.0	126.4	96.5	154.8	30.6	141.5	53.6	89.3	106.8	93.5	11
35	OR2060181	SWW	31.4	134.0	88.7	154.1	30.0	140.7	64.2	86.3	108.8	93.1	12
33	OR2050301	SWW	32.6	133.8	79.3	154.7	28.9	154.4	53.1	74.3	124.8	92.9	13
37	OR2060431	SWW	32.4	108.7	90.9	164.2	31.9	160.5	54.7	83.4	107.7	92.5	14
26	IL00859	SWW	29.5	113.5	112.5	160.7	32.0	134.8	54.3	93.4	99.2	92.2	15
27	AP700CL	SWW	31.8	120.1	92.6	160.6	31.2	144.2	56.2	80.0	107.4	91.7	16
16	XERPHA	SWW	37.5	95.9	106.8	153.7	33.0	133.2	56.2	82.9	121.8	91.2	17
39	OR2060926	SWW	30.3	116.7	91.3	156.1	28.0	154.3	52.4	79.5	111.9	91.2	18
9	BRUNDAGE 96	SWW	30.8	111.3	104.1	157.2	29.2	134.4	58.3	87.8	106.8	91.1	19
8	SKILES	SWW	31.7	110.5	118.1	146.7	31.1	131.6	54.0	84.2	110.1	90.9	20
19	CARA	Club	26.8	119.7	96.0	161.6	23.5	134.7	58.0	88.0	109.5	90.9	21
29	LEGION	SWW	121.1	116.1	104.0	144.6	35.1	143.9	51.0	79.9	108.7	90.6	22
12	ID D-05	SWW	33.7	109.9	102.5	149.0	29.3	128.2	56.1	85.1	102.9	90.4	23
32	OR2050293	SWW	34.0	108.9	102.5	149.9	31.1	141.7	57.9	82.1	100.1	89.9	24
3	GENE*	SWW	32.5	138.8	99.3	141.6	32.3	131.0	55.8	78.9	98.5	89.9	25
20	AP LEGACY	SWW	24.0	109.7	96.0	157.4	31.6	137.3	51.5	81.9	113.1	89.2	26
24	ORCF-101 / ORCF-102 BLEND	SWW	31.5	106.0	113.9	146.0	34.5	133.5	53.0	76.4	106.2	89.0	27
11	BRUNEAU	SWW	31.1	120.3	108.5	146.6	29.4	112.0	53.3	85.5	112.2	88.8	28
2	MADSEN*	SWW	30.5	107.3	105.7	148.7	32.5	132.6	51.1	83.9	105.9	88.7	29
18	SALUTE	SWW	33.2	124.0	93.5	155.4	31.0	123.3	54.9	76.6	105.0	86.5	30
38	OR2060916	SWW	35.1	97.5	89.9	152.2	31.1	148.5	48.6	85.1	107.6	88.4	31
13	SKILES / TUBBS 06 BLEND	SWW	32.3	109.9	89.5	150.0	32.0	131.2	57.1	86.3	107.2	88.4	32
6	ORSS-1757	SWW	33.0	116.8	105.6	145.8	30.9	124.8	58.3	81.7	97.1	88.2	33
1	STEPHENS*	SWW	33.1	121.8	105.1	145.2	29.6	136.4	46.1	78.8	97.2	88.2	34
22	OR2060306	SWW	32.8	103.5	105.9	147.3	34.0	137.4	50.7	81.3	99.6	88.1	35
21	ORCF-101	SWW	34.3	112.9	97.4	147.1	32.9	130.4	49.4	80.1	97.1	85.8	36
15	MASAMI	SWW	33.1	100.7	86.6	141.4	33.3	140.0	53.5	84.6	107.3	85.7	37
25	ORCF-103	SWW	33.6	109.1	89.4	134.4	31.4	128.4	52.0	85.5	100.7	85.1	38
10	BITTERROOT	SWW	31.9	110.9	93.5	146.9	29.6	123.8	49.9	77.3	105.5	85.5	39
28	CODA	Club	30.1	116.0	90.8	128.3	30.7	123.9	44.2	85.8	98.6	83.2	40
	Site Average		32.1	117.7	100.4	151.9	31.2	139.0	55.2	84.3	106.9	91.0	
	LSD (0.05)		6.0	12.4	21.0	16.6	3.9	20.6	8.0	11.7	11.5		
	CV (%)		11.6	6.5	12.9	6.7	7.5	9.0	8.9	3.4	7.7		

* Indicates check variety.
 † SQI is the Site Quality Index. The SQI is based on the relative performance of check varieties to historical means and the degree of variability found within each trial. See individual trials for more information.

Entry	Variety	Class	Crown Rot		Septoria Corvallis 6/17/2009 % Leaf Infection	Corvallis		Hermiston		LaGrande		Washington Stripe Rust Ratings† Puliman, WA		Mt Vernon, WA			
			Moro - Kaseberg	Arlington		%	RT	%	RT	%	RT	IT	%	IT	%	IT	%
			% White Heads	% White Heads													
1	STEPHENS*	SWWW	5.7	6.7	80.7	0	R	6.7	MR/R	1.7	R	2	1	2-3	10	2	10
2	MADSEN*	SWWW	1.0	1.0	70.0	0	R	0.0	R	0.0	R	2	1	2-3	5	2	10
3	GENE*	SWWW	1.0	1.7	56.7	5	MR/R	15.0	MR/MS	1.7	R	8	10	2-3	5	0	0
4	TUBBS	SWWW	8.3	5.0	74.0	20-30	MS/S	40.0	MS	30.0	MS	5	30	3-8	20	2	10
5	TUBBS 06	SWWW	3.3	4.0	68.5	15	MS/MS	38.3	MS	26.7	MS/MS	5	20	3-8	20	2	20
6	ORSS-1757	SWWW	5.7	2.7	69.0	10	MR	8.3	MR	0.0	R	3	5	2	5	0	0
7	GOETZE	SWWW	6.7	10.0	52.3	5	MR/R	11.7	MR	0.0	R	5	30	2	2	0	0
8	SKILES	SWWW	3.0	2.3	71.0	0	R	0.0	R	0.0	R	2	1	2	2	0	0
9	BRUNDAGE 96	SWWW	1.7	2.0	79.3	5	MR/R	1.7	MR/R	0.0	R	5	5	5	15	2	20
10	BITTERROOT	SWWW	11.0	3.3	64.3	0	R	0.0	R	0.0	R	2	1	8	40	3	30
11	BRUNEAU	SWWW	9.3	6.7	71.7	0	R	0.0	R	0.0	R	2	1	5	20	3	30
12	ID D-05	SWWW	7.3	3.7	69.7	0	R	56.7	S/MS	46.7	MS/S	8	90	2	2	0	0
13	SKILES / TUBBS 06 BLEND	SWWW	5.0	3.3	63.3	5	MR/MS	21.7	MS/MS	11.7	MR/MS	5	30	2	5	2	30
14	GOETZE / SKILES BLEND	SWWW	3.3	3.7	57.3	0	R	5.0	MR/R	0.0	R	3	5	2	5	0	0
15	MASAMI	SWWW	2.7	2.0	85.0	30	MS	20.0	MR/MS	23.3	MS/MS	5	40	5	20	2	30
16	XERPHA	SWWW	4.0	1.7	76.5	5	MR/R	0.0	R	0.0	R	2	1	5	20	3	50
17	WESTBRED 528	SWWW	1.7	3.7	42.3	0	R	3.3	MR/R	0.0	R	2	5	2	5	2	20
18	SALUTE	SWWW	15.0	8.3	45.0	0	R	0.0	R	0.0	R	2	1	3	5	3	40
19	LEGION	SWWW	4.0	4.3	65.3	0	R	0.0	R	0.0	R	5	10	5	15	5	50
20	AP LEGACY	SWWW	13.3	10.0	66.7	0	R	11.7	MR	0.0	R	3	5	3	5	3	50
21	ORCF-101	SWWW	2.3	3.3	68.3	10	MR/MS	5.0	MR/R	0.0	R	2	1	2	2	2	30
22	OR2060306	SWWW	1.0	2.7	69.3	5	MR/R	0.0	R	0.0	R	2	1	2	2	2	30
23	ORCF-102	SWWW	1.0	2.0	59.0	0	R	3.3	MR/R	0.0	R	2	10	8	20	2	10
24	ORCF-101 / ORCF-102 BLEND	SWWW	1.3	2.7	64.0	0-10	MR/MS	0.0	R	0.0	R	3	5	5	10	2	30
25	ORCF-103	SWWW	1.0	1.7	67.3	10	MR	5.0	MR/R	0.0	R	2	10	5	10	2	10
26	ID00859	SWWW	1.7	0.7	80.0	0	R	11.7	MR	3.3	R	2	20	3	5	2	10
27	AP700CL	SWWW	2.7	2.7	67.3	TR	R	1.7	MR/R	0.0	R	3	10	2	5	2	30
28	CODA	Club	5.0	5.0	59.3	0	R	0.0	R	0.0	R	2	5	2	2	3	20
29	CARA	Club	3.3	2.7	61.0	0	R	0.0	R	0.0	R	2	1	2	2	0	0
30	OR2060910	SWWW	9.0	11.7	67.7	10	MR	25.0	MS/MS	0.0	R	2	40	5	15	2	20
31	OR2040726	SWWW	20.0	10.0	82.5	15	MS/MS	3.3	MR/R	0.0	R	2	30	3	10	2	2
32	OR2060263	SWWW	4.3	3.3	88.3	30	MS	26.7	MS	1.7	R	5	70	2	5	2	5
33	OR2060301	SWWW	3.0	1.3	55.0	5	MR/R	10.0	MR/R	3.3	R	5	60	5	15	2	10
34	OR2060324	SWWW	1.0	1.0	59.0	5	MR/R	5.0	MR/R	0.0	R	5	40	5	15	2	2
35	OR2060181	SWWW	5.3	4.0	54.0	0	R	56.7	S/MS	53.3	S/MS	8	100	2	5	0	0
36	OR2060365	SWWW	1.7	3.7	68.3	0	R	0.0	R	0.0	R	2	1	2	5	0	0
37	OR2060431	SWWW	5.0	3.3	73.3	5	MR/R	40.0	MS/S	33.3	MS/S	5	70	3	10	2	10
38	OR2060916	SWWW	5.7	2.7	80.7	20	MS/MS	60.0	S/MS	56.7	S/MS	8	80	3	10	2	2
39	OR2060926	SWWW	0.7	0.7	55.7	0	R	1.7	MR/R	0.0	R	2	5	2	5	2	2
40	OR2060853	SWWW	3.0	2.3	57.7	10	MR	40.0	MS/S	10.0	MR	3	30	2	5	2	5
	Site Average		4.8	3.8	66.3			13.5		7.6							
	LSD (0.05)		4.4	3.1	12.0			10.5		7.3							
	CV (%)		56.9	49.4	10.7			47.3		59.5							

* Indicates check variety

† Washington stripe rust infection type (IT) and severity (%) provided by Xianming Chen, Research Plant Pathologist, USDA-ARS/WSU

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