



CEREAL Newsletter

Vol. MMXVI No. 2

www.cerealcentral.com

August 2016

2016 Eastern Oregon Winter Canola Trials

Winter canola variety trials were sown in late September at HAREC and CBARC. At CBARC, nutrition added in the summer fallow prior to planting was 100 N, 15 P₂O₅, and 33 S lb/acre using a mix of solution 32, ammonium thiosulfate and ammonium poly phosphate. At HAREC, nutrition added was 160N-40P₂O₅-100K-20S-4Mg-1Zn-1B on October 27 and 100N on February 10. The plot area at CBARC was pre-irrigated with 0.75" of water on September 17 and was rain fed the remainder of the season. At HAREC, the trial was under center pivot. Yields are shown in Table 1. Varieties included UI released and experimental lines, Rubisco lines, Kansas State lines, and Croplan lines (CL = Clearfield, SU = sulfonyl urea tolerant, RR = roundup ready).

In February, trials at CBARC were observed to have Blackleg disease. No fungicides were applied, and the blackleg infection did not appear to limit yield. However, Sclerotinia (white mold) was also present in the trials, with more than a 30 percent infection rate. Sclerotinia did reduce yield significantly. At harvest, trials at Hermiston were 100 percent lodged due heavy wind and rain in June. This was the worst incidence of lodging we have observed in a winter canola trial. We estimate lodging reduced yield by 20 percent or more.

Current canola prices are close to \$0.18/lb FOB at Pacific Crest Canola (PCC) at Warden. Projected prices for August 2017 are expected to be in the range of \$0.19/lb.

~Don Wysocki & Alan Wernsing

Table 1.
Eastern Oregon Winter Canola Trials 2016, at HAREC and CBARC

HAREC			CBARC		
Variety	Yield ¹ lb/acre		Variety	Yield ¹ lb/acre	
Mercedes	3063	A	Mercedes	2864	A
05.WC.15.7.5	2691	AB	Edimax.CL	2799	AB
Edimax.CL	2656	AB	Atenzo	2779	AB
CW.002.SU	2580	ABC	04.WL.4.4.404	2593	ABC
Star.915W.RR	2570	ABC	Arsenal	2514	ABCD
UI.05.6.33	2545	ABC	05.WC.15.7.5	2370	ABCD
Arsenal	2540	ABC	Durola	2361	ABCD
15.WC.1	2483	ABCD	CW.002.SU	2265	ABCDE
06.WC.1	2439	ABCD	05.WI.45.2.2	2253	ABCDE
KSR.07363	2293	ABCDE	CW.001.SU	2198	BCDEF
04.WL.4.4.404	2282	ABCDE	Star.915W.RR	2104	CDEF
Amanda	2279	ABCDE	CW.003.SU	2085	CDEF
Atenzo	2108	BCDE	KSR.07363	1965	CDEFG
Dwarf Essex	2106	BCDE	HyCLASS.115W.RR	1930	CDEFG
HyCLASS.125W.RR	1994	BCDE	UI.05.6.33	1921	DEFG
05.WI.45.2.2	1902	BCDE	05.WC.6.4.3	1873	DEFG
CW.003.SU	1897	BCDE	15.WC.1	1857	DEFG
Athena	1853	BCDE	05.WC.9.7.5.6	1691	EFG
HyCLASS.115W.RR	1702	CDE	HyCLASS.125W.RR	1661	EFG
05.WC.6.4.3	1590	DE	Dwarf Essex	1622	EFG
05.WC.9.7.5.6	1508	DE	06.WC.1	1553	FG
Durola	1392	E	Athena	1353	G
CW.001.SU	1385	E	Amanda	1347	G
LSD (0.05)	928			666	

¹Means followed by the same letter are not significantly different

OSU Umatilla County Extension Service
2411 NW Carden, Umatilla Hall, PO Box 100
Pendleton, OR 97801

Address Service Requested

NON PROFIT
U.S. Postage
PAID
Pendleton, Oregon
Permit # 28

Director's Corner

Harvest is finished up and seeding is right around the corner of our winter wheat and canola trials. **Please help us plan for the future by completing our OSU Community Needs Assessment survey: <https://goo.gl/U9mx9F>.** Your opinions count!!

We are welcoming our new pathologist, **Dr. Christina Hagerty**, to the Pendleton Station. She is wrapping up her PhD program in pathology at OSU on fungicide resistance to Septoria tritici leaf blotch on wheat in the Willamette Valley. We are already working with Christina to incorporate her into the team of scientists at the Research Center. She will be reaching out to growers and crop consultants over the winter months to learn about the issues facing wheat production across the region, so look forward to that call.



I am pleased to announce we have hired **Dr. Ruijun “Ray” Qin**. Ray will be working from HAREC as Umatilla and Morrow Counties extension agronomist starting in mid September. Ray has been working in strawberry and vineyard fumigation research in California for the USDA-ARS the past 10 years and before that did research in wheat and corn. We look forward to Ray joining us to work in irrigated agriculture in the region.

Please help me welcome both of these new faculty members to our area, and work with us to get them acquainted to the agriculture in the area. I can help them with paper and pens and other tools to start their new careers – but what they will really need are your insights and advice to help them develop successful research and extension programs that meet your needs. Invite us out & we’ll be there!!

Join us for the monthly **First Wednesday Seminar** at CBARC on Sept. 7, 12 noon. The topic is CRP. Check our Facebook page for updates! ~Mary

Oregon State University Extension Service offers education programs, activities, and materials-*without regard to race, color, religion, sex, sexual orientation, national origin, age, marital status, disability, and disabled veteran or Vietnam-era veteran status*-as required by Title VI of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, and Section 504 of the Rehabilitation Act of 1973. Oregon State University Extension Service is an Equal Opportunity Employer.

OSU
Oregon State
UNIVERSITY