

Winter Canola Variety Trials in the Low to Intermediate-Rainfall Zone of Washington

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In 2014, winter canola variety trials were established at Okanogan and Pomeroy, Washington. Fourteen varieties were planted at 1900' elevation at Okanogan, and 12 varieties at the Pomeroy site at 4400' elevation. Annual precipitation was 7" at Okanogan and 15" at Pomeroy. Plant establishment was visually evaluated 3 weeks after planting on a scale of 1 (poor establishment) to 5 (excellent establishment). Cold hardiness was determined by recording crop stand counts in the fall before freeze-up and in the spring after dormancy was broken. At Okanogan, the winter was cold, open, and very dry. Highest yielding varieties at Okanogan were Mercedes, Largo (Fig. 1), and Claremore, an imidazolone-tolerant variety. At Pomeroy, Griffin (Fig. 2) yielded the highest, followed by Amanda and Claremore. Largo had the highest survivability at both locations. A field tour was held at Pomeroy and attended by 75 growers, crop consultants, university faculty, staff and students, and agency representatives (Fig. 3).

Winter canola variety trials in the low-intermediate rainfall zones of WA, 2014-2015.

Variety	Okanogan			Pomeroy		
	Yield (lbs/A)	Est.	Survival (%)	Yield (lbs/A)	Est.	Survival (%)
DL Seeds Inc/Rubisco Seeds LLC						
Mercedes	878	4.3	36	2470	4.5	18
Edimax	655	3.0	14	2538	3.6	24
Safran	532	3.5	13	2659	3.4	28
Inspiration	478	4.0	5	1229	4.0	5
Spectrum Crop Development						
Largo (<i>B. rapa</i>)	858	3.9	71	1375	4.4	101
Falstaff	544	4.3	12	2286	3.6	25
Croplan by Winfield						
HyCLASS 115W	738	4.3	30	2125	4.0	31
HyCLASS 125W	571	4.5	8	2237	4.3	39
Croplan 13-26	225	4.0	8	116	4.3	0
University of Idaho						
Amanda	809	4.3	25	2584	4.4	25
WC-1	555	3.9	26	-	-	-
05.6.33	600	3.6	7	-	-	-
Kansas State University						
Griffin	684	4.1	40	2923	3.9	39
High Plains Development						
Claremore	968	4.1	35	2414	4.4	44



Figure 1. Largo, spring 2015 at Okanogan.



Figure 2. Griffin, summer 2015 at Pomeroy.



Figure 3. A field tour was held in early June at the Pomeroy site and featured the winter canola variety trial, a soil pit showing root development, and several other presentations.