

WASHINGTON OILSEEDS COMMISSION

Project No.:

Title: Winter and Spring Canola Variety Testing

Personnel: Isaac Madsen, Ph.D. (PI) and Ian C. Burke, PhD. (Co-PI)

Reporting Period: October 2019 - October 2020

Accomplishments:

1. Completed spring canola variety trials including stand counts and pod counts at Cloverland and Davenport.
2. Harvested 2019-2020 winter canola trial near Ralston and established 2020-2021 canola trial near Ralston.

Results:

Two spring and one winter variety trial were harvested in 2020. The spring variety trials were planted near Davenport and Cloverland, WA. The winter variety trials were planted near Ralston, WA. Yield data was collected and is presented in below. Variety was a significant factor on yield at all locations. In agreement with data from the 2019 growing season, HyClass 930 and NCC101s remained two of the top varieties in the trial. In addition to yield data, stand count and pod count data were spatially referenced to assess the ability of stand establishment and pod number to predict canola yield.

	Spring Canola				Variety	Winter Canola	
	Davenport		Cloverland			Yield	
BY5545 CL	1547.75	a	2647.75	b	Mercedes	2478.16	a
BY6080	1392.5	ab	-	-	Surefire	1978.58	b
HC930	1558	a	2805.25	ab	Phoenix	1879.89	b
HC9919	1629	a	2429.75	c	Claremore	1726.07	bc
InVigor L233 P	1280.5	b	2893.75	a	Griffen	1650.52	bc
NCC 101 s	1401.25	ab	2940	a	Falstaff	1461.98	c
Mean	1468		2743		Mean	1862	
CV (%)	11.8		5.22		CV(%)	14.6	
LSD	257		216		LSD	404	

Publications:

Madsen, I. 2020. Spring Canola Large-Scale Variety Trials. 2020 Dryland Field Day Abstracts. Page 16.

Madsen, I. 2020. Pod Count Variation Across Large-Scale Variety Strip Trials. 2020 Dryland Field Day Abstracts. Page 18.

Madsen, I. 2020. Developing Diagnosis and Recommendation Integrated System for Micronutrients in Spring Canola. Page 24.