

# Expanding Canola Variety Testing in Washington State

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## Improving Canola Variety Trial Outreach

- Utilizing small- and large-scale trials
  - 5-10 small scale (5x30 feet) trials
  - 2-4 large scale (15+ $\times$ 300+ feet) trials
- Growing spring and winter canola cultivars
- Measuring yield, oil and protein content
- Hosting field days at trial locations



## 2022 and 2023 WSU Variety Trial Results

2021-2022 WSU Winter Canola and 2022 Spring Canola Variety Trials					
Spring Canola			Winter Canola		
Davenport, WA		Cloverland, WA	Almira, WA		Brewster, WA
Variety	Yield (lbs/acre)		Variety	Yield (lbs/acre)	
NCC101S	1656 a	1553 a	Kicker	3131 a	2204 a
L343PC	1624 a	1580 a	Plurax	2969 b	2018 a
L344PC	1618 a	1566 a	Mercedes	2956 b	2190 a
CP930RR	1560 a	1455 a	PST19085	2575 c	2045 a
CP9978TF	1548 a	1504 a	Surefire	2275 d	1570 b
			Claremore	2088 e	1392 b
Average	1601	1532	Average	2666	1903
Tukey HSD (0.05)	ns	ns	Tukey HSD (0.05)	--	313
CV %	5	8	CV %	--	20
Seeded	April 22, 2022	May 17, 2022	Seeded	August 23, 2021	--
Harvested	August 17, 2022	August 26, 2022	Harvested	August 17, 2022	July 22, 2022

2023 WSU Spring Canola Variety Trial near Davenport, WA			
Variety	Yield (lbs/acre)	Oil (%)	Protein (%)
L343PC	1720 a	40.1 a	24.4 a
NCC101S	1689 ab	37.3 c	24.9 a
CP9921TF	1537 abc	38.9 bc	24.5 a
CP9978TF	1507 abcd	40.6 ab	25.6 a
DG781TF	1431 abcd	41.1 ab	24.5 a
DG280CLC	1411 bcd	40.1 ab	24.9 a
DG760TF	1355 cd	40.3 ab	25.4 a
BY5125CL	1209 d	41.6 a	24.7 a
Average	1476	40.1	24.9
Tukey HSD (0.05)	306	2.5	ns
CV %	17	4	3
Seeded	April 28, 2023		
Harvested	August 21, 2023		



## Outcomes for Success

- Improve data quality and access for canola variety performance in Washington state
- Increase canola production in Washington state by providing relevant and timely research outcomes
- Improve stakeholder engagement with Washington State University through research involvement
- Demonstrate canola production potential and economic value as a rotational crop in eastern Washington



<https://oilseeds.css.wsu.edu/variety-testing/>

