

Trial One

Canola Variety Comparison

Odermatt



Seeding Date: May 14, 2025

Harvest Date: September 19th, 2025

Variety: Pioneer, Dekalb, Canterra

Trial Area: Baldonnel, BC

Argentine Canola Variety Comparison Trial

Odermatt - Baldonnel, BC

Project Goal: Compare 8 different canola varieties in a side-by-side comparison.

Trial Description: Each year the seed companies seem to remove canola varieties we have grown to know and appreciate and replace it with a “higher “ yielding variety that also happens to be a higher price per bag. The data we see from the seed companies is often from plots grown in a different soil zone, with a longer growing season and not to mention possibly a little bias. The Seed for this trial is both bought and donated but the results are unbiased and we attempt to give each variety the best chance of success.

Seeding Date: May 14th, 2025

Previous Crop: Barley

Seeding Conditions:

Moisture: Okay

Seed depth: Set at $\frac{3}{4}$ ” and a seeding speed of 4.3 mph.

Thousand Kernal Weight Seeding Information:

Seeding to thousand kernel weight (TKW) is important in agriculture because it provides valuable information about seed quality and helps optimize crop production. TKW is a measure of the weight of a specified number of seeds, usually 1,000, and it can indicate seed size, vigor, and potential yield.

Seeding to TKW allows a more consistent and uniform plant stand, by using seeds with a known weight, farmers can ensure that they are sowing a consistent number of seeds per unit area, which promotes even germination and reduces competition among plants. This ultimately leads to better crop establishment and more uniform plant growth.



Seeding Equipment: Seed-master (side band, double shoot) Ultra Pro Metering.

Plot Size: 650m x 39m or 6.318 acres per plot.

Seed Treatment: Lubi GEN/ Helix Vibrance and Lumiderm on all Pioneer Varieties. Dekalb Treated with Prosper EverGol and BUTEO Start.

Herbicide Application: All varieties registered to be treated with glyphosate.

Varieties Seeded: Pioneer P524G

Pioneer P1530G

Pioneer P515G

Pioneer P511G

Proven PV 781 TCM

Dekalb 902

Pioneer 44H 44

Canterra CS 3300 TF



Yield Information

<u>Variety</u>	<u>Thousand Kernal Weight (TKW)</u>	<u>Combine Notes</u>	<u>Yield Bu/ac</u>
P524G	6.2	Bulky/high re- turns	45.1
P1530G	5.2	Bulky/ lower re- turns	44.1
P515G	5.6	Easy to combine	44
P511G	5.8	Little bulky	47.3
PV 781 TCM	4.93	Not bulky– high returns	46.7
DK902TF	4.9	Little bulky, more returns	48
44H44	6.0	Little bulky, more returns	44.4
CS 3300TF	4.4	Not too bulky, more returns	44.3

Growing Season Comments from Producer:

It was another hot, dry summer, and we were pleasantly surprised by how well the canola performed with the limited rainfall we received. Germination was strong, and flea beetle pressure was virtually nonexistent. During swathing, I found the Dekalb and Canterra varieties performed better overall than the Pioneer varieties.

This was our first time running eight plots within a single field. Although we selected what we felt was the most uniform field available, having approximately 70% of the field in plots inevitably introduced some variability. We also experienced volunteer canola from a crop grown two years ago, which was unfortunate; however, it appeared to be evenly distributed across all plots.

Harvest Information:

Swathing date: Sep 3, 2025 (30ft and rolled)

Combined date: September 19, 2025 (Claas 670)

