

Planting Date Trial - Winter Canola

Ontario Crops Research Centre – Winchester, University of Guelph

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Winter canola varieties Mercedes, Inspiration, and Plurax were planted in the falls of 2020, 2021, and 2022, at a rate of 6 lbs/ac. Targeted planting dates for winter canola were: August 25th, September 1st, and September 8th.

In 2020, winter canola was planted September 1st (due to rain in previous week), September 15th, and September 24th. There was poor establishment due to rain events followed by hot temperatures, resulting in difficulties with even depth placement of seed and delayed planting dates. Data was discarded, and the trial was planned to be replanted in 2021 and 2022.

In 2021, winter canola was planted August 23, September 1, and September 13, 2021. 34 kg/ha of MAP (11-52-0) was placed with seed, and 380 kg/ha of 30-90-11 was broadcast across the full trial.

In the spring of 2022, the 3rd planting date had not survived. On April 29th, 2022, the winter canola was sprayed with Select for grass control. 240 lbs/ac (270 kg/ha) of urea (46-0-0) was applied, in addition to 65 lbs/ac (73 kg/ha) of ammonium sulfate.

2021/2022 Winter Canola Yield Data (mean ± standard deviation). Planted 2021, harvested in 2022. **Yield (kg/ha).**

	Planted August 23 rd	Planted September 1 st	Planted September 13 th
Mercedes	3349 ± 410	2998 ± 226	Did not survive
Inspiration	3209 ± 346	2874 ± 266	Did not survive
Plurax	2852 ± 133	2869 ± 155	Did not survive

General observations from 2020 and 2021 plantings:

Planting in mid to late August provides the best change for survival. Getting past the first week of September drastically reduces the survival success of winter canola in the Winchester area.

2022/2023 Winter Canola Trials:

In 2022, winter canola (Mercedes, Inspiration and Plurax) was planted August 29th, September 6th, and September 12th, 2022. Stand counts were recorded prior to winter and winter survival and yield will be assessed in the 2023 research season.



Winter Canola Planting Date Trial, November 4, 2022 at OCRC - Winchester.