

Winter Canola Performance Trial – 2018/19

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Trial Locations

1) Harrow, Ontario, Canada

Location: 42°02'23.3"N 82°53'41.7"W

Soil type: 61% Sand, 31% Silt, 8% Clay

O.M = 1.6%

pH = 5.6

2) Woodslee, Ontario, Canada

Location: 42°12'25.1"N 82°44'33.6"W

Soil type: 36% Sand, 35% Silt, 29% Clay

O.M = 4%

pH = 6

Planted

- Harrow - September 13 2018
- Woodslee - September 14 2018

Planting information: 0.5"-1" planting depth, Monosem, 15" rows, Plate 7212

Plot size: 5 rows spaced 37.5cm apart, 6 m long; only the three middle rows were harvested.

Fall Fertilizer: 6-24-24 @ 175kg/ha and 34-0-0 @ 75Kg/ha

Spring Fertilizer: 39-0-0-5(S)-0.5(B) @ 538Kg/ha

- Total fall N: 36 Kg/ha (32 lbs/acre)
- Total spring N: 214.42 Kg/ha (191.2 lbs/acre)
- Total spring S: 27 Kg/ha (24 lbs/acre)
- Total spring B: 1.68 Kg/ha (1.5 lbs/acre)

Herbicide: Treflan (trifluralin) @ 0.6 kg/ha PPI

Harrow ONLY – Lontrel was applied @ 0.2 Kg/ha to the entire trial area to control broadleaf weeds. Date of spray was (October 5, 2018) and crop staging was about 4-6 leaves.

Fungicide: None

Insecticide: None

Table 1. Percent stand loss over winter 2018/19

Entry	Harrow	Woodslee	Mean
Mercedes	10.6	9.1	9.9
Inspiration	16.5	13.6	15.0
Phoenix CL	16.2	7.1	11.6
Plurax CL	20.2	8.6	14.4
Popular	23.8	8.8	16.3
Quartz (OP)	26.6	15.1	20.8
Hidylle	27.7	8.2	17.9
Hamour	26.5	10.0	18.2
Sitro	36.4	24.0	30.2
CC17070	26.0	20.4	23.2
CC17069-IMI	34.6	5.1	19.8
CC170-2869	35.2	28.3	31.7
CC170208	45.6	34.8	40.2
Mean	26.6	14.8	

Table 2. Winter canola yield 2018/19

Entry	Harrow	Woodslee	Mean
Mercedes	71.2	94.7	83.0
Inspiration	78.8	80.2	79.5
Phoenix CL	78.6	76.5	77.5
Plurax CL	80.0	82.7	81.4
Popular	85.2	96.2	90.7
Quartz (OP)	82.1	84.8	83.4
Hidylle	74.1	76.8	75.4
Hamour	86.8	86.4	86.6
Sitro	59.4	57.4	58.4
CC17070	79.8	58.7	69.2
CC17069-IMI	79.7	66.6	73.1
CC170-2869	76.4	62.9	69.6
CC170208	81.8	59.2	70.5
Mean	78	75.6	