

Project Title: 2023 Winter Canola Planting Date

Objective: To identify the optimum planting dates and varieties of winter canola in Northwestern Montana.

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Summary:

Seven varieties of canola were planted in the Fall of 2022 at three different planting dates, 15 August, 1 September, and 15 September. It was irrigated only just after planting to assist in stand establishment and was grown under rainfed condition for the growing period in 2023. The study was harvested on 18 August 2023. Detailed cultural information is shown in Table 1.

There is no difference in yield between the planting dates, with 23.8 bu/A average yield as shown in Table 2. The greatest stand loss, 84%, was observed in the latest planted canola whereas, the first and second planting dates had better plant survival as shown in Table 3. Rubisco Mercedes had the highest yield (32.3bu/A) and CP225WRR the lowest (15.6 bu/A) as shown in Table 4.

Table 1. Management information

Seeding date:	08/15/22-09/15/22 (227-258)	Field Location:	Y10
Seeding rate:	9.5 lbs./A	Harvest date:	8/18/2023 (230)
Previous crop:	Barley	Soil type:	Creston Silt Loam
Herbicide	Buccaneer, Wheelhouse	Tillage:	Conventional
Insecticide	Lambda	Soil residual nutrient (NO3-1, P, K lb./A):	95.5, 12, 133
Fungicide	N/A	Nutrient fertilizer applied(N, P2O5, K2O lb./A):	60, 25, 60

Table 2. Canola yield by planting date

Date	Yield (bu/A)	
15-Aug	22.4	A
01-Sep	24.8	A
15-Sep	24.1	A

Table 3. Canola stand loss by planting date

DATE	% Stand loss	
15-Aug	46	B
01-Sep	61	B
15-Sep	84	A

Table 4. Canola yield by Variety

Variety	Yield (bu/A)	
Rubisco Mercedes	32.3	A
Kicker	26.8	AB
Rubisco PluraxCL	23.8	B
Surefire	23.6	B
CP1066	23.6	B
CP320WRR	20.5	BC
CP225WRR	15.6	C

