

PROJECT TITLE: **CAMELINA PLANTING DATE TRIAL**

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OBJECTIVE: Compare the effectiveness of different spring seeding dates on stand establishment and yield of camelina.

METHODS:

Camelina was broadcast seeded at 3 lbs PLS/a on 5 dates in early spring: 2/8, 3/8, 3/22, 4/12, and 4/26/06. Plot size was 100 ft² with 4 replicates of each planting date. Forty lbs. of N and 15 lbs. of P₂O₅ were applied with the seed.

After emergence, plants were counted in linear foot sections of each row. The date on which 50% of the plants had bloomed in each plot was recorded. The height of the mature plants, relative maturity time, and amount of seed shatter were recorded. The mature seed was harvested by direct combining.

RESULTS:

The March seedings had the best stand establishment. Seed yield was greatest for the March 8 seeding (893 lbs/a) and least for the late April seeding. Test weights of the February and March seedings were significantly higher than those of the late seedings.

2006 Camelina Date of Planting Study					
Kalispell					
<u>PD</u>	<u>D after 1/1</u>	<u>Stand</u>	<u>Height</u>	<u>Yield</u>	<u>Test Wt.</u>
		<i>pl/sqft</i>	<i>in</i>	<i>lbs/a</i>	<i>lbs/bu</i>
8-Feb	39	6.3	31.0	643.8	41.2
8-Mar	67	12.7	31.8	893.2	41.3
22-Mar	81	9.0	33.5	777.9	41.1
12-Apr	102	6.0	33.8	738.4	40.7
26-Apr	116	7.5	34.8	518.6	40.3
mean		8.3	33.0	714.4	40.9
Pr>F		0.051	0.283	0.083	0.000
LSD(0.05)		4.6	NS	NS	0.3
CV(%mean)		37.7	7.9	24.8	0.6
Y=-80.27+25.58*X-0.1753*X ²					
R ² =0.9065					