

2008 Spring Camelina Nitrogen Fertility Trial - No-till**Hettinger**

Nitrogen Fertility	Plant Stand	Days to Bloom	Duration of Flowering	Days to Mature	Plant Height	Test Weight	Oil Content	Seed Yield
lbs/A*	# / sq ft	**	Days	**	inches	lbs/bu	%	lbs/A
60	6.6	60	15	90	26	48.2	32.7	1018
100	5.6	60	15	90	27	49.7	34.6	974
150	6.1	59	16	90	27	49.9	34.5	907
Trial Mean	6.1	60	15	90	27	49.2	33.9	966
C.V. %	31.1	0.6	5.9	0.6	11.6	1.9	4.8	7.3
LSD .05	NS	NS	NS	NS	NS	NS	NS	NS

*Nitrogen Fertility = pounds per acre of actual N from residual soil N (0 – 24”) + N fertilizer (46-0-0).

** Days to Bloom and Days to Mature = the number of days from planting to 10% bloom or maturity.

NS = no statistical difference between nitrogen rates.

Variety = Suneson

Planting Date: April 23

Harvest Date: July 28

Previous Crop: hrsw

Note: The 2008 trial sustained severe late season heat and moisture stress.

2008 Spring Camelina Variety Trial - Continuously Cropped - No-till**Hettinger**

Variety	Days to	Duration of	Days to	Plant	Test	Oil	---- Grain Yield ----		
	Bloom	Flowering	Mature	Height	Weight	Content	2007	2008	Avg.
	*	Days	*	inches	lbs/bu	%	- pounds per acre -		
Robinson	60	16	84	29	50.1	32.7	1707	832	1270
Ligera	60	14	85	31	48.8	34.8	1360	1136	1248
Galina	60	15	83	29	51.3	33.3	1387	899	1143
Celine	62	14	86	31	46.3	33.9	1173	899	1036
Suneson	60	15	84	29	49.7	33.5	1173	828	1000
Gold of Pleasure	60	15	84	31	46.3	34.4	800	1018	909
Blaine Creek	60	17	84	30	48.3	31.7	1013	733	873
Calena	60	14	83	28	47.1	33.3		930	
Trial Mean	60	15	84	30	48.5	33.6	--	886	--
C.V. %	0.8	5.8	0.9	6.5	4.2	2.8	--	13.0	--
LSD .05	1	1	1	NS	2.9	1.4	--	168	--
LSD .01	1	2	1	NS	4.0	1.9	--	226	--

* Days to Bloom and Days to Mature = the number of days from planting to 10% bloom or maturity.
 NS = no statistical difference between varieties.

Planting Date: April 23, 2008.

Harvest Date: July 28, 2008.

Seeding Rate: 6 lbs / acre.

Previous Crop: 2006 = barley, 2007 = hrsw.

Note: The 2008 trial sustained severe late season heat and moisture stress.

2008 Spring Camelina Seeding Rate Trial - No-till**Hettinger**

Seeding Rate	Plant Stand	Days to Bloom	Duration of Flowering	Days to Mature	Plant Height	Test Weight	Oil Content	Seed Yield
lbs/A	# / sq ft	*	Days	*	inches	lbs/bu	%	lbs/A
2	7.0	60	16	87	30	46.8	34.2	687
4	7.6	60	16	88	32	49.8	34.2	850
6	13.0	60	16	84	29	47.6	33.9	662
8	12.4	60	14	83	30	45.7	33.6	783
10	12.9	60	14	82	31	47.9	33.3	799
Trial Mean	10.6	60	15	85	30	47.6	33.8	756
C.V. %	27.3	0.8	6.8	2.9	5.1	3.9	3.0	17.4
LSD .05	4.4	NS	NS	4	NS	NS	NS	NS
LSD .01	NS	NS	NS	NS	NS	NS	NS	NS

* Days to Bloom and Days to Mature = the number of days from planting to 10% bloom or maturity.
 NS = no statistical difference between seeding rates.

Variety = Suneson

Planting Date: April 23

Harvest Date: July 28

Previous Crop: hrsw

Note: The 2008 trial sustained severe late season heat and moisture stress.