

Table 1. General plot management.

Trial Information	Borderview Research Farm Alburgh, VT
Soil Type	Benson rocky silt loam
Previous crop	Spring Wheat
Planting date 1	19-Apr
Planting date 2	26-Apr
Planting date 3	3-May
Planting date 4	10-May
Harvest date	5-Sep
Seeding rate	50 lbs acre ⁻¹
Tillage methods	Mold board plow, disk, and spike tooth harrow

Table 2. Seasonal weather data¹ collected in Alburgh, VT, 2013.

Alburgh, VT	April	May	June	July	August	September
Average temperature (°F)	43.6	59.1	64	71.7	67.7	59.3
Departure from normal	-1.2	2.7	-1.8	1.1	-1.1	-1.3
Precipitation (inches)	2.12	4.79	9.23 †	1.89	2.41	2.2
Departure from normal	-0.7	1.34	5.54	-2.26	-1.5	-1.44
Growing Degree Days (base 32°F)	348.5	847.8	967	1235	1112	824.7
Departure from normal	-35.55	91.35	-47	36.8	-27.2	-33.35

¹Based on weather data from a Davis Instruments Vantage Pro2 with WeatherLink data logger.

Historical averages are for 30 years of NOAA data (1981-2010) from Burlington, VT.

† June 2013 precipitation data based on National Weather Service data from cooperative stations in South Hero, VT (http://www.nrcc.cornell.edu/page_summaries.html)

Table 3. Plot characteristics and harvest yield of flax planted on four planting dates, averaged across two varieties.

Planting Date	Flax Population plants m²	Weed cover %	Yield lbs. ac⁻¹
(1) 19-Apr	205	21.9	172
(2) 26-Apr	220	29.5	159
(3) 3-May	276	22.8	135
(4) 10-May	487*	26.6	93
Trial Mean	297	25.2	140
LSD (p<0.10)	90.684	NS	NS

*Varieties with an asterisk are not significantly different than the top performer in **bold**.

NS – No significant difference amongst varieties.

Table 4. Plot characteristics and harvest yield of two flax varieties, averaged across four planting dates.

Variety	Flax Population plants m ²	Weed cover %	Yield lbs. ac ⁻¹
Omega	223	26.9	93
Rahab 94	371*	23.5	187*
Trial Mean	297	25.2	140
LSD (p<0.10)	64.123	NS	51.434

*Varieties with an asterisk are not significantly different than the top performer in **bold**.
NS – No significant difference amongst varieties.

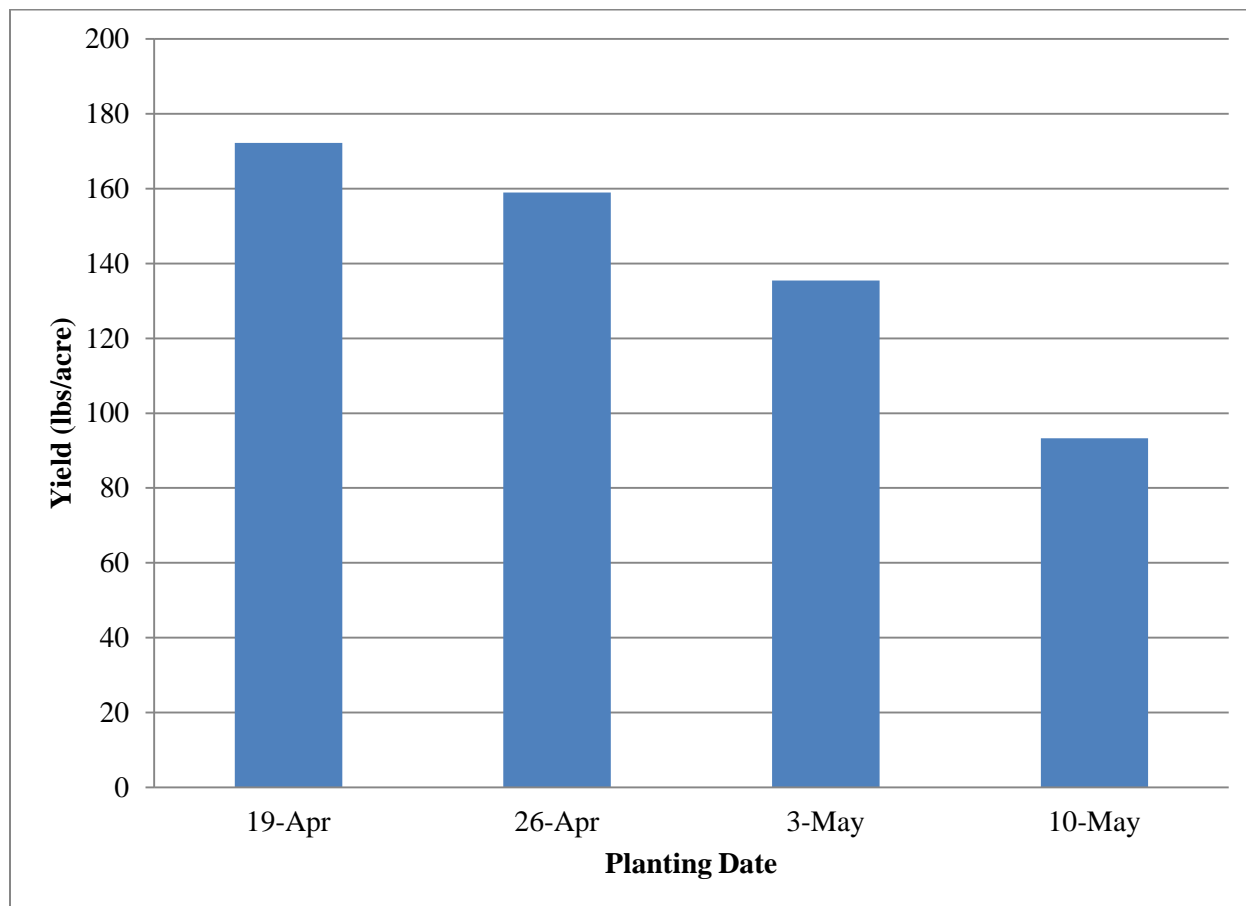


Figure 1. Average yields of two flax varieties planted at four different planting dates from mid-April to mid-May.