

Table 1. General plot management.

Trial Information	Borderview Research Farm Alburgh, VT
Soil Type	Benson rocky silt loam
Previous crop	Corn
Planting date	23-Apr
Harvest date	6-Sep
Seeding rate	50 lbs acre ⁻¹
Tillage methods	Mold board plow, disk, and spike tooth harrow

Table 2. Flax varieties, origin, year released and seed color.

Variety	Origin	Year Released	Seed Color
Carter	North Dakota	2004	Yellow
ND 2055	North Dakota	*	Brown
ND 2059	North Dakota	*	Brown
Neche	North Dakota	1988	Brown
Nekoma	North Dakota	2002	Brown
Omega	North Dakota	1989	Yellow
Pembina	North Dakota	1998	Brown
Prairie Blue	Canada	2003	Brown
Prairie Thunder	Canada	2006	Brown
Rahab 94	South Dakota	1994	Brown
Webster	South Dakota	1998	Brown
York	North Dakota	2002	Brown

*Experimental line, has not been publically released.

Table 3. 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 4. Plot characteristics and yield of 12 flax varieties.

Flax Variety	Population plants/m ²	Height in.	Lodging %	Yield lbs./acre
Carter	396	31.0	5	634
Prairie Thunder	358	29.8	0	557
Webster	511*	31.8	6	502
2055	520*	34.9*	15	397
2059	480*	34.1*	23	390
Neché	546*	32.4	4	378
Nekoma	480*	30.5	8	335
Prairie Blue	508*	32.3	6	330
Rahab 94	252	29.9	0	293
Omega	118	30.2	0	286
York	475*	29.4	1	270
Pembina	386	32.1	0	255
Trial Mean	419	31.5	6	386
LSD (p<0.1)	102.77	2.1982	NS	NS

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

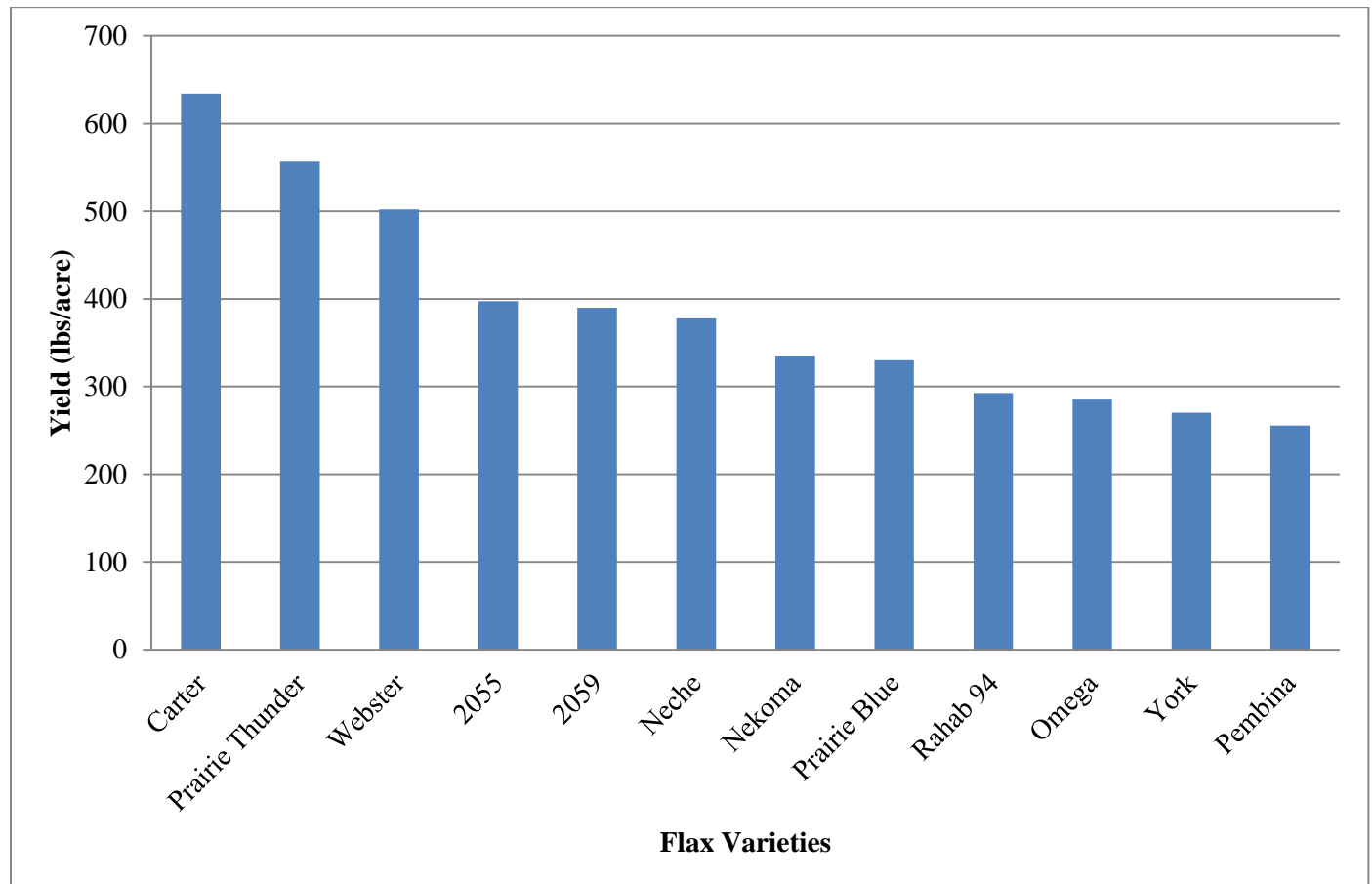


Figure 1. Average yield of flax varieties grown in Alburgh, VT, 2013.

