

Tables and Images for Flax Variety Trial-2013

Table 2. Plot characteristics and yield of 12 flax varieties.

	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)	103	2.19	NS	NS

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

NS – No significant difference amongst varieties.



Image 1. Flax plots on 1-Aug, Alburgh, VT.

Table 3. Flax oil characteristics of twelve varieties grown in Alburgh, VT, 2013.

	Oil Content %	Peroxide Value Meq/kg of fat	Free Fatty Acids %	Insoluble Impurities %	Iodine Value %
Nekoma	33.4	1.5	8.1*	1.4	149
Pembina	32.7	1.9	8.5*	1.2	147
2055	32.5	1.3	5.6*	1.4	155
Nече	31.2	1.4	5.8*	1.3	154
Rahab 94	31.0	1.7	7.8*	1.4	147
York	30.7	1.2	5.0	1.4	155
Omega	30.1	1.8	8.0*	1.3	148
Prairie Blue	30.1	1.3	6.8*	1.5	153
2059	29.3	1.3	6.3*	1.4	153
Prairie Thunder	28.1	1.6	7.9*	1.3	149
Carter	28.1	2.0	9.5*	1.2	147
Webster	25.7	1.5	9.2*	1.3	146
Trial Mean	30.2	1.5	7.4	1.3	150
Tukey-Kramer (p<0.10)	NS	NS	***	NS	NS

*** Values are significantly different based on Tukey-Kramer statistical test.

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

NS – No significant difference amongst varieties.

Table 4. Flax meal characteristics of twelve varieties grown in Alburgh, VT, 2013.

	Crude Protein+ %	Fat+ %	Fiber %	Ash %
Webster	37.7	15.3	12.9	7.0
Nече	38.6	14.3	15.0	7.5
Prairie Thunder	38.2	13.8	15.0	7.6
Omega	39.3	13.7	14.3	7.6
2059	38.4	13.5	15.7	7.7
Prairie Blue	38.5	13.4	15.1	7.4
Carter	39.0	13.4	15.3	7.7
Rahab 94	38.8	13.2	14.4	7.7
Pembina	38.9	13.1	15.8	7.7
York	38.6	12.8	16.1	7.5
Nekoma	38.3	12.8	13.2	7.3
2055	39.8	12.4	14.9	7.9
Trial Mean	38.7	13.4	14.8	7.6
Tukey-Kramer (p<0.10)	NS	NS	NS	NS

+ Crude protein and fat derived from wet chemistry at Cumberland Valley Analytics.

Fiber and Ash data derived from NIRS at UVM Cereal Testing Lab.

NS – No significant difference amongst varieties.