



Nov-21-2016

## FLAX Regional Variety Trial

Location: NPARA Trial Year: 2016  
 Investigator: Tom Fromme  
 Crop: Flax Study Director:  
 Sponsor Contact:

### General Trial Information

**Study Director:** Nora Paulovich **Title:** Research Manager  
**Investigator:** Tom Fromme **Title:** Research Coordinator

**Discipline:** S varietal screening

### Trial Location

**City:** North Star  
**Province:** Alberta  
**Conducted Under GLP:** No  
**Conducted Under GEP:** No

### Crop Description

**Crop 1:** LIUUT Linum usitatissimum Flax  
**Description:** Regional Variety Trial

**Depth, Unit:** 1.25 in  
**Row Spacing, Unit:** 9 in

**Soil Temperature, Unit:** 14.4 C  
**Soil Moisture:** DRY dry

**Planting Date:** May-10-2016  
**Planting Method:** DRILLE drilled  
**Planting Equipment:** DD Disc Drill

**Harvest Date:** Sep-26-2016  
**Harvested Width, Unit:** 0.9 m  
**Harvested Length, Unit:** 8 m  
**Harvest Equipment:** plot harvester  
**% Standard Moisture:** 10.0

### Site and Design

**Treated Plot Width:** 1.4 m **Site Type:** FIELD field  
**Treated Plot Length:** 8 m  
**Treated Plot Area:** 11.2 m<sup>2</sup> **Treatments:** 11 **Tillage Type:** NOTILL no-till  
**Replications:** 4 **Study Design:** RACOBL Randomized Complete Block (RCB)

**Trial comments:** A number of flax varieties were included in the 2016 Flax Regional Variety Trial. The project was seeded in dry soil and subsequently survived moist to very wet conditions all season. For a number of reasons, then, the trial data shows much variability, but it is very useful in determining desirable materials for this area.

### Maintenance

No.	Date	Maintenance Product Name	Form Conc	Form Type	Rate	Rate Unit	Tank Mix
1.	Jun-10-2016	Basagran Forte			910	mL/A	yes
2.	Jun-10-2016	Assure	0.8	EC	255	mL/A	yes
3.	Aug-30-2016	Heat LQ			59	mL/A	yes
4.	Aug-30-2016	Merge			400	mL/A	yes

**Comment:** Alpine G22 06-22-06 @ 810 mL/A on June 10th

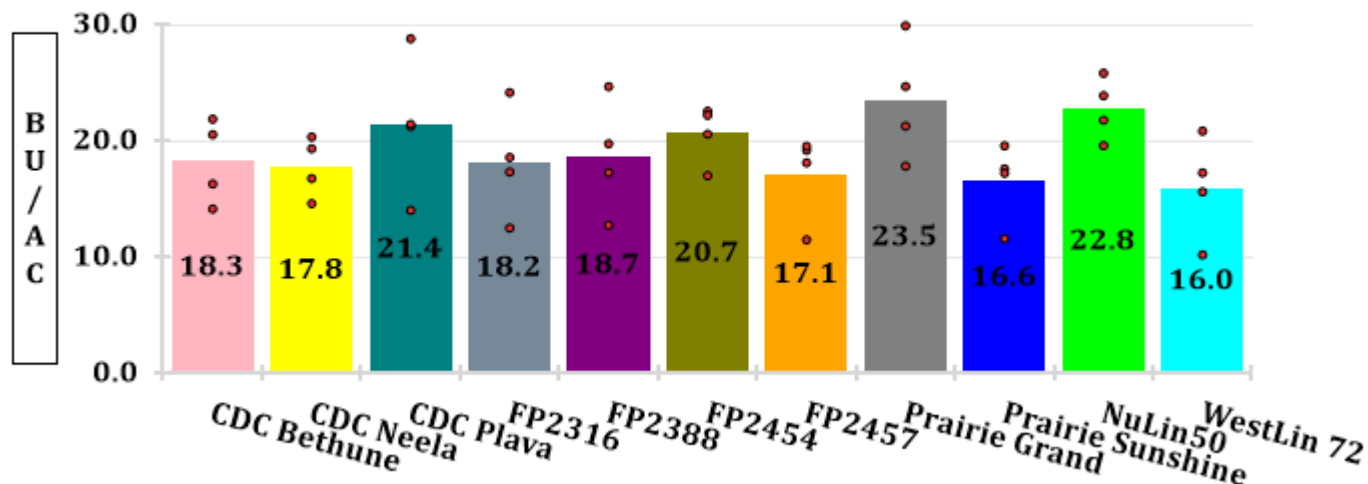
### Additional Measured Elements

Date	Element	Quantity	Unit
May-10-2016	46-0-0-0 (UREA)	104	#/ac
May-10-2016	11-52-0-0 (Phosphorus)	76	#/ac

### Moisture and Weather Conditions

**Overall Moisture Conditions:** DRWEWE dry-wet-wet  
**Closest Weather Station:** NPARA **Distance, Unit:** 0.5 km  
 See the weather report tab for more information.

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**AOV Means Table**

Rating Date	Sep-26-2016	Sep-26-2016	Sep-26-2016
Rating Data Type	moicon	yield	YIELD
Rating Unit	%	g	BU/AC
Entry No.	4	5	6
Entry Name			
1CDC Bethune	9.73ab	823.40a	18.3a
2CDC Neela	9.95ab	805.00a	17.8a
3CDC Plava	9.60b	964.75a	21.4a
4FP2316	9.95ab	822.75a	18.2a
5FP2388	9.55b	839.38a	18.7a
6FP2454	9.93ab	932.38a	20.7a
7FP2457	9.65b	772.00a	17.1a
8Prairie Grand	9.78ab	1058.75a	23.5a
9Prairie Sunshine	10.50	753.25a	16.6a
10NuLin50	9.60b	1027.50a	22.8a
11WestLin 72	10.23a	726.25a	16.0a
LSD P=.05	0.348	257.627	5.70
Standard Deviation	0.240	178.399	3.95
CV	2.45	20.6	20.57
Bartlett's X2	6.447	4.628	4.589
P(Bartlett's X2)	0.694	0.915	0.917
Skewness	0.9473*	0.1496	0.165
Kurtosis	0.5862	0.1354	0.1492
Replicate F	0.122	2.154	2.166
Replicate Prob(F)	0.9463	0.1142	0.1128
Treatment F	3.194	1.591	1.641
Treatment Prob(F)	0.0093	0.1574	0.1426

Rating Data Type

moicon = moisture content

YIELD = yield

Rating Unit

% = percent

g = gram

BU = bushel

ARM Action Codes

$$TY1 = 0.02212766 * [5] * (100 - [4]) / 90$$

Means followed by same letter or symbol do not significantly differ (P=.05, Student-Newman-Keuls)  
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.