

Regional Variety Trials - Pulses

Objectives:

1. To detail agronomic characteristics of new varieties and proven varieties in a specific geographic area.
2. To provide information on new varieties to local producers.
3. To conduct these tests yearly to produce long-term data.

Background:

The regional variety trials have been grown in the Lakeland since 1991. Each variety is tested for three years against a common check variety that is kept in the trial long-term. Each year new varieties are added, and older ones are removed from the trial. How a variety does relative to the check variety can be used as a comparison between varieties that were not grown in the trial at the same time.

The information gathered from these trials is important for producers first, to aid in crop variety selection and, second, to improve economic returns. Determining the cereal varieties that are best suited to production in the LARA area will aid producers in making the most economical decisions for their operations.

The data presented in the following tables is a useful tool for comparing varieties to each other. Information should not be used to determine how much a variety will yield, but **rather as a comparison of how one variety will yield in relation to another**. The tables will tell how a certain variety yields statistically compared to another variety.

2014 Results:

Table 1. RVT Yellow Pea St. Paul, 2014

Variety	Yield (bu/acre)		Yield % of CDC Meadow	TWT (lbs/bu)	1000 k (g)	Height (cm)	Lodging*
AAC Lacombe	90	a	114	65	288	93	3
CM3404	84	ab	106	65	314	92	7
CDC Amarillo	82	ab	104	66	250	93	6
Abarth	81	abc	103	65	288	86	7
LN4228	81	abc	103	66	281	85	5
CDC Meadow	79	bc	100	66	225	91	7
AAC Peace River	72	c	91	66	239	85	7
CV: 6.18							

Table 2. RVT Green Pea St. Paul, 2014

Variety	Yield (bu/acre)		Yield % of CDC Patrick	TWT (lbs/bu)	1000 k (g)	Height (cm)	Lodging*
CDC Limerick	78	a	105	65	225	89	4
Greenwater	76	a	103	65	214	86	6
CDC Patrick	74	a	100	63	188	92	3
MP1867	70	a	95	65	233	90	2
CV: 6.95							

Table 3. Faba Beans, St. Paul 2014.

Variety	Yield (bu/acre)		Yield % of Snowbird	TWT (lbs/bu)	1000 k (g)	Height (cm)	Lodging*
Snowbird	107	a	100	62	670.64	97	1
Snowdrop	92	a	86	63	356.2	106	1
Tobasco	83	a	78	62	431.64	91	1
Malik	77	a	72	64	510.4	91	1
CV: 13.54							

* lodging is rated on a 1-9 scale where 1 is perfectly erect and 9 is completely flat.