

RVT PULSE TRIALS – YELLOW/GREEN PEAS AND FABA BEANS

The primary objective of the Pulse RVTs is to generate reliable yield and agronomic data for commercial varieties as well as for new lines that showed potential in early screening trials to become varieties of yellow pea, green pea, and faba bean, for producers in Alberta. These trials also aim to encourage crop diversification and support the expansion of pulse crop acreage in the region. Ongoing variety testing remains essential for providing producers with up-to-date performance information on both newly registered and established varieties and Gateway Research Organization (GRO) remains committed to continuing this trial to support our producers with regional data. This report presents the data collected specifically from the GRO site in Westlock. While these results offer valuable insights into variety performance under local conditions, it is important to recognize that data from a single site and a single growing season does not provide a complete picture.

As in the 2024 growing season, yellow and green peas were once again combined into a single trial rather than being evaluated in separate trials as done in previous years. This combined trial included a total of 17 entries, consisting of 14 yellow pea varieties and 3 green pea varieties. Faba beans were evaluated in a separate trial, which included 9 different varieties.

AGRONOMIC INFORMATION:

Seeded: April 30, 2025

Seed depth: 2 inches

Soil temperature: 9°C

Rainfall recorded: April 30 to August 20, 2025: 199.6 mm

Fertilizer:

Side Banded:

21-0-0-24 @ 83.3lbs/ac

17.5 lbs/ac Actual N; 0 lbs/ac Actual P; 0 lbs/ac Actual K; 20 lbs/ac Actual S

Seed Placed:

11-52-0 @ 23 lbs/ac

2.5 lbs/ac Actual N; 11.96 lbs/ac Actual P

Pre-Emergence: Glyphosate + Heat @ 270 g ae/ac + 10.4 g/ac on May 6, 2025

Herbicide: Viper + UAN @ 404 ml/ac + 810 ml/ac on June 5, 2025

Fungicide: Dyax @ 160 ml/ac on July 11, 2025

Desiccant:

Peas: Reglone Ion @ 1 L/ac on August 11, 2025

Faba beans: Reglone Ion @ 1 L/ac on September 17, 2025

Harvested:

Peas: August 21, 2025

Faba beans: September 22, 2025

RVT PEAS - GRO, WESTLOCK- 2025

Trt No.	Treatment Name	Maturity Rating Early-Late	Standability 1 (erect) - 9 (flat)	Yield (bu/ac) Adjusted @ 14% moisture
Yellow Pea Varieties				
1	CDC Amarillo (check)	Medium	1	63.2
2	CDC Boundless	Medium	1	59.6
3	CDC Canuck	Medium	1	62.5
4	DL 995-96	Medium	1	68.2
5	LAP23-0014	Medium	1	58.5
6	LAP23-0017	Medium	1	66.6
7	CDC Engage	Medium	1	68.2
8	CDC 5845	Medium	1	67.6
9	PS Boost	Early	1	64.4
10	AAC Harrison	Medium	1	68.0
11	AAC McMurphy	Medium/Late	1	64.4
12	CS Prostar	Medium	1	74.1
13	CDC 5791	Medium/Late	1	64.7
14	LN4228	Medium	1	54.0
Green Pea Varieties				
1	CDC Limerick (check)	Medium	1	59.9
2	LAP23-004	Medium	1	61.0
3	CDC Huskie	Medium	1	65.1

Source: <https://www.albertapulsevt.com/?app=n>

RVT FABA BEANS - GRO, WESTLOCK- 2025

Trt No.	Treatment Name	Maturity Rating Early-Late	Standability 1 (erect) - 9 (flat)	Yield (bu/ac) Adjusted @ 16% moisture
Faba Bean Varieties				
1	Fabelle (check)	Medium	1	47.9
2	CDC 1089	Medium	1	42.5
3	Dosis	Early	1	39.9
4	Futura	Medium/Late	1	45.4
5	Hammer	Medium	1	46.9
6	Navi	Medium/Late	1	42.7
7	CDC 1142	Medium	1	42.2
8	CDC 1310	Medium	1	44.4
9	Juno	Medium	1	36.3

Source: <https://www.albertapulsesvt.com/?app=n>

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CONTINUED

RESULTS AND DISCUSSION:

Results from the RVT pea trial show that **CS Prostar** was the highest-yielding yellow pea variety, producing 74.1 bu/ac, while **CDC Huskie** was the highest-yielding green pea variety at 65.1 bu/ac.

In the RVT faba bean trial, the check variety **Fabelle** recorded the highest yield at 47.9 bu/ac, followed closely by **Hammer** at 46.9 bu/ac.

It is not uncommon to observe little to no lodging in faba beans. However, peas are well known for their tendency to lodge as they mature. The minimal lodging observed in the RVT pea trial this year was likely due to dry growing conditions.

It is important to note that these results are based on data from a single site, in a single year and may not fully reflect the performance of any individual variety. Data from multiple locations and years can be found in the January 2026 edition of the Alberta Seed Guide.

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