

# RVT PULSE TRIALS - YELLOW/GREEN PEAS AND FABABEAN

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In 2024, the GRO Pulse site was set up at Anderson Seed Growers home quarter along Highway 18 between Westlock and Barrhead. Unfortunately, a hailstorm hit on July 24, 2024, causing so much damage that all the pulse trials had to be abandoned.

We are using data from the Lacombe site for this report on pulse RVT trials. Lacombe is in a black soil zone with a short growing season, similar to the conditions in Westlock. This makes it a good alternative for gathering data in a comparable environment.

In the 2024 growing season, yellow and green peas were combined into one trial, instead of having separate trials like in past years. The trial had 20 entries in total—17 yellow pea varieties and 3 green pea varieties. On the other hand, the Fababean trial was done separately and included 11 different varieties

## **Agronomy – Site Location: Lacombe**

Seeding Date: Yellow Peas and Green Peas and Faba Beans: May 10, 2024

Previous Crop: Barley

Plant density: Peas – 88 plants/m<sup>2</sup>; Faba beans – 44 plants/m<sup>2</sup>

Fertility:

Soil Test Report:

Nitrogen: 20 lbs/ac; Phosphorus: 56 lbs/ac; Potassium: 150 lbs/ac; Sulphur: 8 lbs/ac

Nutrient Applied – Spring 2024

Nitrogen: 6 lbs/ac; Phosphorus: 45 lbs/ac; Potassium: 38 lbs/ac; Sulphur: 0 lbs/ac;

\*\* Zn was added to the fertilizer blend.

Herbicide

Basagran Forte 800 ml/ac June 19

Rainfall

Recorded from May 1 to September 10, 2024: 203 mm

Desiccation

Reglone Ion@1.5 l/ac on August 09 (Peas)

Reglone Ion@1.5 l/ac on September 06 (Faba Beans)

Harvest Date

Yellow/Green Peas – August 23, 2024

Faba Beans – September 11, 2024

**Results and Discussion:** The tables were obtained from the Alberta Pulse Growers Website, which provides publicly accessible information. Please note that the data reflects a single year from one location and may not fully represent the characteristics of any specific variety. Additionally, we were unable to locate any relevant statistical details for these tables. Therefore, we recommend exercising careful judgment when making decisions based on this information.

Table: Yellow/Green Peas; Site-Lacombe				
		Maturity Rating	Standability	Yield
Yellow Pea Cultivars		Early-Late	1 (erect) - 9 (flat)	Bu/ac at 14 % Moisture
1	CDC Amarillo (check)	Medium	2	77
2	CDC Boundless	Medium	2	63
3	CDC Hickie	Medium	3	78
4	AAC Planet	Medium	2	62
5	CDC Citrine	Medium	3	70
6	AAC Ardill	Medium	4	74
7	CDC Engage	Medium	3	60
8	CDC 5845	Medium	3	61
9	CS ProStar	Medium	4	72
10	CDC 5791-9	Medium/Late	2	76
11	AAC McMurphy	Medium/Late	2	62
12	P1209-2119 (AAC Harrison)	Medium	2	69
13	Caphorn	Medium	3	70
14	LN4228	Medium	2	67
15	CDC Tollefson	Medium	2	73
16	Boost	Early	4	71
17	6020 11	Medium	2	65
Green Pea Cultivars				
1	CDC Limerick (check)	Medium	3	53
2	CDC Rider	Medium/Late	2	63
3	CDC Huskie	Medium	2	65

Table: Faba Beans; Site-Lacombe				
		Maturity Rating	Standability	Yield
	Faba Beans	Early-Late	1(erect)-9(flat)	Bu/ac at 16% Moisture
1	Fabelle ( check)	Medium	1	97
2	CDC 1089	Medium	1	85
3	Dosis	Early	1	83
4	Allison	Early/Medium	1	76
5	CDC 1310	Medium	1	76
6	Futura	Medium/Late	1	104
7	Hammer	Medium	1	106
8	Juno	Medium	1	104
9	Victus	Medium	1	93
10	Navi	Medium/Late	1	93
11	CDC 1142	Medium	1	84

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

**Acknowledgment:**

GRO sincerely thanks AgCall and Alberta Pulse Growers for their generous contributions, which have been essential in supporting the execution and management of these trials.

