

MEMORANDUM

TO: *Prairie Recommending Committee for Pulse and Special Crops*
FROM: A.Vandenberg, A. Vargas, J. Horner, B. Barlow, S. Wagenhoffer, Y. Liu, D. Raymond, K. Mikituk and D. DeSilva
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Saskatoon, Saskatchewan S7N 5A8
DATE: February 10 /2025

SUBJECT: Request for Support for Registration of Faba Bean Line CDC 2030-21

Faba bean line CDC 2030-21 was tested for two years in the Faba Bean Registration Recommendation Trial “A” from 2023-2024. Agronomic performance data summary for that trial is included in the accompanying Table 1. Line CDC 2030-21 is a white-flowered zero tannin, low vicine/convicine (LVC) faba bean. Table 1. (17 site years) indicates the yield of CDC 2030-21 is 91% of Navi and similar to DL Nevado. Seed weight is 27% smaller than Navi and 22% smaller than that of DL Nevado. Flowering time, height, and maturity are similar to that of the checks.

Strengths: Low vicine/convicine.
Smaller seed size compared to Navi and DL Nevado.
Matures three days earlier than Navi and DL Nevado.

Neutral: Similar agronomic characteristics in comparison with Navi and DL Nevado.

Weakness: Higher lodging than either Navi or DL Nevado

Figure 1. Visual comparison of CDC2030-21, Navi and DL Nevado



Table 1. Two-year summary of agronomic performance data for CDC 2030-21 Faba Bean in the 2023-24 Cooperative Trial "A" in western Canada

Entry	[17] Yield			[12] Days to flower	[15] Height (cm)	[5] *Lodging (1-9)	[15] Days to mature	[6] Seed weight		[12] Protein (%)	Protein Kg/Ha
	kg/ha	% Navi	% Nevado					g/1000	% Navi		
Navi	3983	100	107	53	105	1.8	109	410	100	27.0	1085
DL Nevado	3717	93	100	50	103	1.7	109	390	95	28.0	1045
CDC 2030-21	3642	91	98	51	102	3.2	106	300	73	26.2	972
Grand Mean	3687	93	99	51	104	2.6	107	336	82	26.7	999

Bold indicates check
[X] Number of sites.
 * Lodging -no ratings taken in 2023 therefore data shown is from 2024 only
Lodging: is a (1-9) rating where 1 - no lodging and 9 - completely lodged

Submitted By:

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Tested By: SGS Canada Inc.
 Unit 310, 280 Portage Close
 Sherwood Park, Alberta T8H 2R6
 P 1 (780) 436-8822
 ** CFIA Acc #1172

Professional Member



Sample of: Faba, Ground
Sample ID: CDC 2030-21

REPORT OF ANALYSIS

*Vicine/Convicine Content	Completed: 1/14/2025	Ground Faba Bean	Method	OTH
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Vicine 0.04 %
 Convicine 0.05 %

1. Method(s) used for promoting germination of dormant seed

*Advisory test -- Method not CFIA M&P prescribed

**Accredited by CFIA to conduct tests in accordance with the laboratory's scope of accreditation and the Canadian Methods and Procedures for Testing Seed

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