LAST CALL
DRY BEANS
LICENSING PROPOSALS

January 2025

UNIVERSITY of GUELPH

IMPROVE LIFE.

Description

15 dry bean varieties are being offered for a final licensing opportunity, including:

- **4 Navy Beans:** OAC Bechamel, OAC Plasma, OAC Resilient, OAC Storm
- **3 Cranberry Beans:** OAC Agate, OAC Candycane, OAC Volterra
- **2 Kidney Beans:** OAC Firebrand, OAC Jasper
- **2 Yellow Beans:** O18HR003y, O18HR007y
- **2 Pinto Beans:** OAC Blaze, OAC Paint
- **1 Black Bean:** OAC Spades

The License will grant the successful proponent the sole rights to seed increase, distribution and commercialization within the Territory.

The University of Guelph reserves the full right to reject any proposal, or any terms thereof, for any reason and makes no promise whatsoever with respect to the terms under which any particular license may be issued, or that any license may be issued at all. No license for the aforementioned dry bean varieties will be binding unless and until it is reduced to writing and signed by an authorized representative of the University of Guelph.

Territory Available

Canada and the US. Proposals for all or any portion of the Territory will be considered.

Closing Date

Proposals must be received by **4pm ET on Monday, January 27 2025**, to be considered.

Submission

Proposals (electronic copies) should be submitted to the Research Innovation Office, ATTN: Steve Dinka, Technology Transfer Manager - Germplasm (germplasm@uoguelph.ca)

Additional Information / Seed Samples

For additional performance information, OPCC request for registration support documentation, or for viewing seed samples contact:

Dr. Mohsen Yoosefzadeh Najafabadi | (519) 842-4120 x 53388
myoosefz@uoguelph.ca
Lyndsay Schram | (519) 842-4120 x 58339
lschram@uoguelph.ca

1. Guidelines for Submitting Proposals

1.1 Proponents are solely responsible for any and all costs incurred in the preparation of the proposal.

1.2 Proponents must be willing to keep their proposals valid and open for acceptance or further negotiation for 45 days following the closing date.

1.3 Proposals will be evaluated solely on their content and the University of Guelph reserves the right to not select any proposal.

1.4 The University of Guelph reserves the right to negotiate any aspect of any proposal.

1.5 The successful proponent must undertake to enter into an agreement acceptable to the University of Guelph within 15 days from the data the proponent is notified.

1.6 All proposals will be treated as confidential business information.

2. Assessment of Proposals

2.1 The Proponent. The proponent's capability of multiplication, distribution, and protection of intellectual property rights of cultivars in the Territory. Preference will be given to proponents carrying out all or a portion of seed multiplication in Canada. Included in this assessment will be the proponent's experience in commercialization of similar cultivars and the proponent's record of research collaboration and/or support involving the University of Guelph.

2.2 Marketing Strategy. The strategy to promote and market the cultivar in the Territory with a view of maximizing sales and geographic distribution. The proponent must illustrate the strategy by providing the projected sales area, market promotion plans and estimated sales during each calendar year for the next 5 years.

2.3 Financial Officer. Proposals will be assessed based on all financial components including Execution or initial payment; Royalty; Amount of any guaranteed payments; Any other amounts or structures that would provide an income stream.

3. Conditions of License

3.1 The University of Guelph may grant the successful proponent the sole seed increase, distribution, and commercialization rights within the Territory.

3.2 Rights to the license shall be for a period of five (5) years, with an automatic five-year renewal with the further extension by mutual consent.

3.3 The University of Guelph will maintain ownership of the cultivar and the intellectual property rights related to the cultivar are vested in and will continue to be vested in the University of Guelph.

3.4 The University of Guelph will reserve the right to name the cultivar in consultation with the successful proponent and to use the cultivar in breeding, research, extension and technology transfer programs.

3.5 The successful proponent will allow the University of Guelph access to records concerning its business with the University of Guelph. Upon reasonable demand, the successful proponent shall permit the University of Guelph, or any person designated by the University of Guelph, to examine, audit and copy invoices, accounts, receipts or other records or materials relating to its business with the University of Guelph. The provision shall survive for a period of give (5) years after the expiration of termination of any license agreement.

3.6 The University of Guelph will retain the right to review the handling of the cultivar at any time, and if the successful proponent cannot or will not make an effort to meet the market demand, the license may be revoked, and the cultivar may be released to another company in order to meet the demand.

3.7 All costs associated with the application and maintenance of intellectual property rights in the Territory, registration, seed increase, commercialization, and infringement by third parties will be borne by the successful proponent.

NAVY BEAN HIGHLIGHTS

Developed by: University of Guelph Dry Bean Breeding Program
Breeders: Tom Smith & K. Peter Pauls

OAC Bechamel | OAC 20-8

- Full Maturity
- Excellent Yield
- Excellent upright plant architecture for direct combining
- Anthracnose race 73 resistant
- Susceptible to common bacterial blight

OAC Plasma | ACUG 16-5

- Mid-maturity
- High yielding
- Excellent upright plant architecture for direct combining
- Anthracnose race 73 resistant
- Tolerant to common bacterial blight

OAC Resilient | OAC 20-6

- Full Maturity
- Excellent Yield
- Anthracnose resistant
- Resistant to common bacterial blight
- Very good upright plant architecture for direct combining

OAC Storm | OAC 21-4

- Excellent Yield
- Excellent harvestability
- Full Maturity
- Anthracnose resistant
- Moderately resistant to common bacterial blight

CRANBERRY BEAN HIGHLIGHTS

Developed by: University of Guelph Dry Bean Breeding Program
Breeders: Tom Smith & K. Peter Pauls

OAC Agate | OAC 20-C1

- Mid maturity
- Very good yield
- Anthracnose race 73 resistant
- Susceptible to common bacterial blight
- Very good plant architecture for direct combining
- Good cooking quality

OAC Candycane ACUG 15-C2

- Mid maturity
- Excellent yield
- Good seed size
- Anthracnose race 73 resistant
- Susceptible to common bacterial blight

OAC Volterra | OAC 20-C3

- Mid maturity
- Excellent yield
- Anthracnose race 73 resistant
- Susceptible to common bacterial blight
- Excellent plant architecture for direct combining

KIDNEY BEAN HIGHLIGHTS

Developed by: University of Guelph Dry Bean Breeding Program
Breeders: Tom Smith & K. Peter Pauls

OAC Firebrand
ACUG 18-L1

- Light Red
- Excellent Yield
- Full Maturity
- Good Harvestability
- Good Seed Size
- Anthracnose race 73 resistant
- Susceptible to common bacterial blight

OAC Jasper
ACUG 17-D2

- Dark Red
- Mid maturity
- Good yield and harvestability
- Large seed size
- Anthracnose race 73 resistant
- Suscpetible to common bacterial blight

YELLOW BEAN HIGHLIGHTS

Developed by: University of Guelph Dry Bean Breeding Program
Breeders: Tom Smith & K. Peter Pauls

O18HR003y

- Excellent yield
- Full maturity
- Improved harvestability for direct combining
- Anthracnose race 73 resistant
- Moderately resistant to common bacterial blight

O18HR007y

- Excellent Yield
- Full maturity
- Improved harvestability for direct combining
- Anthracnose race 73 resistant
- Susceptible to common bacterial blight

PINTO BEAN HIGHLIGHTS

Developed by: University of Guelph Dry Bean Breeding Program
Breeders: Tom Smith & K. Peter Pauls

OAC Paint | P15HR077

- Slow darkening
- Full maturity
- Good plant architecture for direct combining
- Anthracnose race 73 resistant
- Susceptible to common bacterial blight

OAC Blaze | ME24

- Non-Darkening
- Good yield
- Very good plant architecture for direct combining
- Susceptible to Anthracnose race 73
- Susceptible to common bacterial blight

BLACK BEAN HIGHLIGHTS

Developed by: University of Guelph Dry Bean Breeding Program

Breeders: Tom Smith & K. Peter Pauls

OAC Spades | OAC 21-B2

- Excellent yields
- Excellent harvestability
- Full maturity
- Anthracnose race 73 resistant
- Moderately resistant to common bacterial blight

Appendix

- Days to maturity after planting.
- Suitability for direct harvest (harvestability) is based on a scale of 1-5, where 1 = upright plant type, standing erect with good bottom pod height and 5 = more prostrate plant type that are not erect, with poor bottom pod height.
- To convert Hundred Seed Weight (g) to number of seeds/lb, divide 45,400 by seed weight. e.g., 45,400/63 = 720 seeds/lb.
- Anthracnose ratings, the predominant race found in Ontario is Race 73.
- Reaction to common bacterial blight (Xanthomonas campestris pv. phaseoli). R = Resistant, T = Tolerant, S = Susceptible

Trial Data

Variety	Trial Data
OAC Bechamel **OAC 20-8**	2020 - 2021 Ontario Pulse Crop Committee Trial data
OAC Plasma **ACUG 16-5**	2016 - 2017 Ontario Pulse Crop Committee Trial data
OAC Resilient **OAC 20-6**	2020 - 2021 Ontario Pulse Crop Committee Trial data
OAC Storm **OAC 21-4**	2021 - 2022 Ontario Pulse Crop Committee Trial data
OAC Agate **OAC 20-C1**	2020 - 2021 Ontario Pulse Crop Committee Trial data

Variety	Trial Data
OAC Candycane **ACUG 15-C2**	2017 - 2021 Ontario Pulse Crop Committee Trial data
OAC Volterra **OAC 20-C3**	2020 – 2021 Ontario Pulse Crop Committee Trial data
OAC Firebrand **ACUG 18-L1**	2018 - 2019 Ontario Pulse Crop Committee Trial data
OAC Jasper **ACUG 17-D2**	2017 - 2018 Ontario Pulse Crop Committee Trial data
O18HR003y	2022 - 2023 University of Guelph Private Trial Data reviewed by OPCC
O18HR007y	2022 - 2023 University of Guelph Private Trial data reviewed by OPCC
OAC Paint **P15HR077**	2018, 2020 University of Guelph Private Trial data reviewed by OPCC
OAC Blaze **ME24**	2018, 2020 University of Guelph Private Trial data reviewed by OPCC
OAC Spades **OAC 21-B2**	2021 - 2022 Ontario Pulse Crop Committee Trial data