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Call for Tender

Tenders are invited for non-exclusive license to produce in Saskatchewan, process in Canada and market worldwide, for the years 2019-2024, for:

Red cotyledon pea: Redbat 8, Redbat 88

If the decision to tender is made, all tender submissions **must** include the following information:

- Business history
- A Saskatchewan-based production plan
- Plan to maintain a closed-loop system
- A Canadian processing plan
- A global marketing plan
- Proposed value chain and indication of how the added value potential will be shared with the members of the chain

Commercialization rights will be awarded based on a realistic business plan to produce, process and market the peas, and the ability to protect the IP associated with this market class. There will be no royalty or fee associated with the license other than the mandatory levy payable on the harvested grain.

Saskatchewan Pulse Growers reserves the right to reject any or all tenders and to negotiate the terms of an agreement with any proponent.

For more information on the above market class, please contact Dr. Tom Warkentin, Plant Breeder with the Crop Development Centre at the University of Saskatchewan, at 306-966-2371 or tom.warkentin@usask.ca.

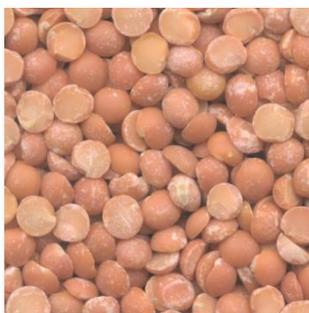
Please forward tender submissions to Attention: Laurie Friesen, Seed Program Manager
lfriesen@saskpulse.com.

Seed samples to be provided upon request.

Red Cotyledon Pea Data Package:



Whole seed of Redbat 8



Split seed of Redbat 88



Split seed of Cutlass yellow pea

Varieties:

There are currently 2 red cotyledon pea varieties developed by the Crop Development Centre:

- Redbat 8 (released 2013)
- Redbat 88 (released 2014)

Over 5 years of testing in the Regional Variety Trials, the red pea variety Redbat 88 yielded approximately 92% of the yellow pea check variety CDC Amarillo. It has smooth round seeds with medium-small size and rich red cotyledon colour, similar to that of red lentils. Redbat 8 and Redbat 88 have similar traits however Redbat 88 has 7% greater yield on average in the northern geographies, better tolerance to lodging and to mycosphaerella blight.

Available Seed (Redbat 88):

Breeder seed can be increased by the CDC and sold to the agent at \$25/kg.

Pedigreed seed (select – certified) can be made available and sold at fair market value.

Agronomic Data:

| Market class | Variety | Years tested | Yield (% Amarillo) | | Maturity rating | Lodging (1-9) | Vine length (cm) |
|--------------|--------------|--------------|--------------------|--------------|-----------------|---------------|------------------|
| | | | 1,2 & south 3* | North 3 & 4* | | | |
| Yellow | CDC Amarillo | 11 | 100 | 100 | M | 3.5 | 85 |
| Red | Redbat 8 | 6 | 92 | 85 | M | 5.0 | 85 |
| Red | Redbat 88 | 5 | 91 | 92 | M | 4.5 | 90 |

| Market class | Variety | Resistance to: | | Seed coat | | Seed wt (g/1000) | Protein vs. Amarillo |
|--------------|--------------|-----------------------|----------------|-----------|----------|------------------|----------------------|
| | | Mycosphaerella blight | Powdery mildew | Breakage | Dimpling | | |
| Yellow | CDC Amarillo | 4.5 | R | Fair | Fair | 230 | 23.0 |
| Red | Redbat 8 | 5.0 | R | Good | Good | 200 | +1.0 |
| Red | Redbat 88 | 4.5 | R | Good | Good | 190 | +0.3 |

Source: Varieties of Grain Crops 2020 (SaskSeed Guide)

*Area 1: Brown soil zone; Area 2: Dark brown; Area 3: Black; Area 4: Dark gray

Lodging score: 1=upright; 9=completely lodged

Mycosphaerella blight score (1-9) 1=no disease, 9=completely blighted