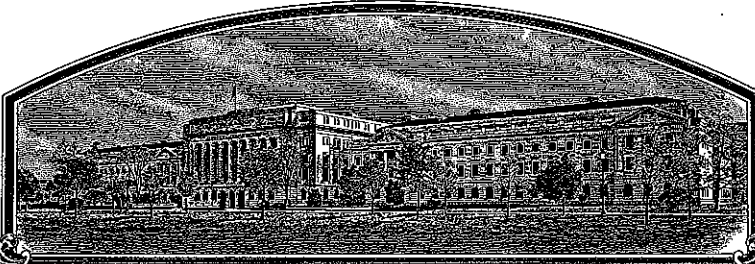


No.



THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:
Crop Development Centre University of Saskatchewan

Whereas, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

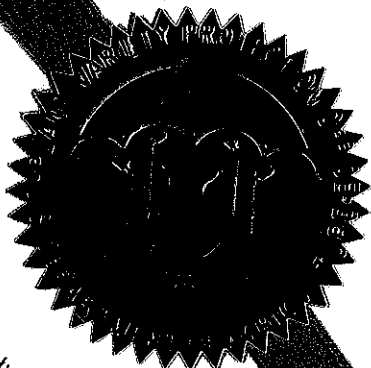
NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR IMPORTING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE PURPOSES, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT. IN THE UNITED STATES SEED OF THIS VARIETY SHALL BE SOLD BY VARIETY NAME ONLY AS A CLASS OF CERTIFIED SEED AND (2) SHALL CONFORM TO THE REQUIREMENTS OF GENERATIONS SPECIFIED BY THE OWNER OF THE RIGHTS. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321)

LENTIL

'CDC Redberry'

In Testimony Whereof, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington, D.C. this fifth day of March, in the year two thousand and seven.

Attest:



Commissioner
Plant Variety Protection Office
Agricultural Marketing Service

Secretary of Agriculture

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE AND TECHNOLOGY - PLANT VARIETY PROTECTION OFFICE

The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995.

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2425).

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE
(Instructions and information collection burden statement on reverse)

1. NAME OF OWNER Crop Development Centre University of Saskatchewan		2. TEMPORARY DESIGNATION OR EXPERIMENTAL NAME 1254S-1	3. VARIETY NAME CDC Redberry
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code, and Country) 51 Campus Drive Saskatoon, SK S7N 5A8		5. TELEPHONE (include area code) (306) 966-8195	FOR OFFICIAL USE ONLY PVRID NUMBER 200500302
		6. FAX (include area code) (306) 966-5015	
7. IF THE OWNER NAMED IS NOT A "PERSON", GIVE FORM OF ORGANIZATION (corporation, partnership, association, etc.) University	8. IF INCORPORATED, GIVE STATE OF INCORPORATION	9. DATE OF INCORPORATION July 26, 2005	
10. NAME AND ADDRESS OF OWNER REPRESENTATIVE(S) TO SERVE IN THIS APPLICATION. (First person listed will receive all papers) Ronald B. Weik Quality Assured Seeds Inc. 418B McDonald St. Regina, SK S4N 6E1		FILING AND EXAMINATION FEES: \$ 3652.00 DATE 7/26/2005 CERTIFICATION FEE: \$ 768.00 DATE 2/5/07	

11. TELEPHONE (Include area code) (306) 791-0500	12. FAX (Include area code) (306) 791-0555	13. E-MAIL rweik@qas-online.com
14. CROP KIND (Common Name) Lentils	16. FAMILY NAME (Botanical) Leguminosae	18. DOES THE VARIETY CONTAIN ANY TRANSGENES? (OPTIONAL) <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO IF SO, PLEASE GIVE THE ASSIGNED USDA-APHIS REFERENCE NUMBER FOR THE PETITION TO DEREGULATE THE GENETICALLY MODIFIED PLANT FOR COMMERCIALIZATION.
15. GENUS AND SPECIES NAME OF CROP Lens culinaris Medic	17. IS THE VARIETY A FIRST GENERATION HYBRID? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	20. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE SOLD AS A CLASS OF CERTIFIED SEED? (See Section 83(a) of the Plant Variety Protection Act) <input type="checkbox"/> YES (If "yes", answer items 21 and 22 below) <input type="checkbox"/> NO (If "no", go to item 23)
19. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED (Follow instructions on reverse)		21. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF CLASSES? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, WHICH CLASSES? <input type="checkbox"/> FOUNDATION <input type="checkbox"/> REGISTERED <input type="checkbox"/> CERTIFIED
a. <input checked="" type="checkbox"/> Exhibit A. Origin and Breeding History of the Variety b. <input checked="" type="checkbox"/> Exhibit B. Statement of Distinctness c. <input checked="" type="checkbox"/> Exhibit C. Objective Description of Variety d. <input checked="" type="checkbox"/> Exhibit D. Additional Description of the Variety (Optional) e. <input checked="" type="checkbox"/> Exhibit E. Statement of the Basis of the Owner's Ownership f. <input checked="" type="checkbox"/> Voucher Sample (2,500 viable untreated seeds or, for tuber propagated varieties, verification that tissue culture will be deposited and maintained in an approved public repository) g. <input checked="" type="checkbox"/> Filing and Examination Fee (\$3,652) made payable to "Treasurer of the United States" (Mail to the Plant Variety Protection Office)		22. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, SPECIFY THE NUMBER 1,2,3, etc. FOR EACH CLASS. <input checked="" type="checkbox"/> FOUNDATION <input type="checkbox"/> REGISTERED <input type="checkbox"/> CERTIFIED (If additional explanation is necessary, please use the space indicated on the reverse.)
23. HAS THE VARIETY (INCLUDING ANY HARVESTED MATERIAL) OR A HYBRID PRODUCED FROM THIS VARIETY BEEN SOLD, DISPOSED OF, TRANSFERRED, OR USED IN THE U. S. OR OTHER COUNTRIES? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, YOU MUST PROVIDE THE DATE OF FIRST SALE, DISPOSITION, TRANSFER, OR USE FOR EACH COUNTRY AND THE CIRCUMSTANCES. (Please use space indicated on reverse.)		24. IS THE VARIETY OR ANY COMPONENT OF THE VARIETY PROTECTED BY INTELLECTUAL PROPERTY RIGHT (PLANT BREEDER'S RIGHT OR PATENT)? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO IF YES, PLEASE GIVE COUNTRY, DATE OF FILING OR ISSUANCE AND ASSIGNED REFERENCE NUMBER. (Please use space indicated on reverse.)

25. The owner(s) declares that a viable sample of basic seed of the variety has been furnished with application and will be replenished upon request in accordance with such regulations as may be applicable, or for a tuber propagated variety a tissue culture will be deposited in a public repository and maintained for the duration of the certificate.
The undersigned owner(s) is(are) the owner of this sexually reproduced or tuber propagated plant variety, and believe(s) that the variety is new, distinct, uniform, and stable as required in Section 42, and is entitled to protection under the provisions of Section 42 of the Plant Variety Protection Act.
Owner(s) is (are) informed that false representation herein can jeopardize protection and result in penalties.

SIGNATURE OF OWNER 	SIGNATURE OF OWNER
NAME (Please print or type) Frederick A. Holm	NAME (Please print or type)
CAPACITY OR TITLE Director, Crop Development Centre Univ. of Saskatchewan	DATE 14 July 05
	DATE

(See reverse for instructions and information collection burden statement)

INSTRUCTIONS

GENERAL: To be effectively filed with the Plant Variety Protection Office (PVPO), ALL of the following items must be received in the PVPO: (1) Completed application form signed by the owner; (2) completed exhibits A, B, C, E; (3) for a seed reproduced variety at least 2,500 viable untreated seeds, for a hybrid variety at least 2,500 untreated seeds of each line necessary to reproduce the variety, or for tuber reproduced varieties verification that a viable (*in the sense that it will reproduce an entire plant*) tissue culture will be deposited and maintained in an approved public repository; (4) check drawn on a U.S. bank for \$3,652 (\$432 filing fee and \$3,220 examination fee), payable to "Treasurer of the United States" (See Section 97.6 of the Regulations and Rules of Practice.) Partial applications will be held in the PVPO for not more than 90 days, then returned to the applicant as unfilled. Mail application and other requirements to Plant Variety Protection Office, AMS, USDA, Room 401, NAL Building, 10301 Baltimore Avenue, Beltsville, MD 20705-2351. Retain one copy for your files. All items on the face of the application are self explanatory unless noted below. Corrections on the application form and exhibits must be initialed and dated. **DO NOT** use masking materials to make corrections. If a certificate is allowed, you will be requested to send a check payable to "Treasurer of the United States" in the amount of \$432 for issuance of the certificate. Certificates will be issued to owner, not licensee or agent.

Plant Variety Protection Office

Telephone: (301) 504-5518

FAX: (301) 504-5291

Homepage: <http://www.ams.usda.gov/science/pvpo/pvpindex.htm>

To avoid conflict with other variety names in use, the applicant must check the appropriate recognized authority and provide evidence that name has been cleared by the appropriate recognized authority before the Certificate of Protection is issued. For example, for agricultural and vegetable crops, contact: Seed Branch, AMS, USDA, 10301 Baltimore Avenue, Suite 401 NAL Building, Beltsville, MD 20705. Telephone: (301) 504-5682 <http://www.ams.usda.gov/lsg/seed.htm>.

ITEM

- 19a. Give: (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method; (2) the details of subsequent stages of selection and multiplication; (3) evidence of uniformity and stability; and (4) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified
- 19b. Give a summary of the variety's distinctness. Clearly state how this application variety may be distinguished from all other varieties in the same crop. If the new variety is most similar to one variety or a group of related varieties:
- (1) identify these varieties and state all differences objectively;
 - (2) attach statistical data for characters expressed numerically and demonstrate that these are clear differences; and
 - (3) submit, if helpful, seed and plant specimens or photographs (prints) of seed and plant comparisons which clearly indicate distinctness.
- 19c. Exhibit C forms are available from the PVPO Office for most crops; specify crop kind. Fill in Exhibit C (Objective Description of Variety) form as completely as possible to describe your variety.
- 19d. Optional additional characteristics and/or photographs. Describe any additional characteristics that cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the characteristics that are difficult to describe, such as plant habit, plant color, disease resistance, etc.
- 19e. Section 52(5) of the Act requires applicants to furnish a statement of the basis of the applicant's ownership. An Exhibit E form is available from the PVPO.
20. If "Yes" is specified (*seed of this variety be sold by variety name only, as a class of certified seed*), the applicant **MAY NOT** reverse this affirmative decision after the variety has been sold and so labeled, the decision published, or the certificate issued. However, if "No" has been specified, the applicant may change the choice. (See Regulations and Rules of Practice, Section 97.103).
23. See Sections 41, 42, and 43 of the Act and Section 97.5 of the regulations for eligibility requirements.
24. See Section 55 of the Act for instructions on claiming the benefit of an earlier filing date.

22. CONTINUED FROM FRONT (Please provide a statement as to the limitation and sequence of generations that may be certified.)

The progeny of Foundation seed can be sold as Registered seed; the progeny of Registered seed can be sold as Certified seed; the progeny of Certified seed c

cannot be sold as registered seed.

23. CONTINUED FROM FRONT (Please provide the date of first sale, disposition, transfer, or use for each country and the circumstances, if the variety (including any harvested material) or a hybrid produced from this variety has been sold, disposed of, transferred, or used in the U.S. or other countries.)

Breeder seed was sold and planted in western Canada in 2004; Breeder and Select seed was sold and planted in western Canada in 2005.

24. CONTINUED FROM FRONT (Please give the country, date of filing or issuance, and assigned reference number, if the variety or any component of the variety is protected by intellectual property right (Plant Breeder's Right or Patent).)

NOTES: It is the responsibility of the applicant/owner to keep the PVPO informed of any changes of address or change of ownership or assignment or owner's representative during the life of the application/certificate. The fees for filing a change of address; owner's representative; ownership or assignment; or any modification of owner's name is specified in Section 97.175 of the regulations. (See Section 101 of the Act, and Sections 97.130, 97.131, 97.175(h) of the Regulations and Rules of Practice.)

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 1.4 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, gender, religion, age, disability, sexual orientation, marital or family status, political beliefs, parental status, or protected genetic information. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at 202-720-2600 (voice and TDD).

To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Avenue, SW, Washington, DC 20250-9410 or call 202-720-5984 (voice and TDD). USDA is an equal opportunity provider and employer.

200500302

Exhibit A

Origin and Breeding History of CDC Redberry

Pedigree:

1049F3 x 819-5R

Where: **1049F3 is a CDC Breeding line** = 576-16 x 545-8 where: 567-16 = Eston x (ILL5588 x Eston) and 545-8 = Indianhead x Plant Row 86-360, CDC selection made in 1986.

819-5R is a CDC Breeding line = Plant Row 86-360/(458-258G/((458-122/C8L27-RC)/Precoz)F2)F1 where: 458 = EM-4 x Indianhead; EM-4 is a line selected at the CDC from a cross with Eston.

The final cross was made in 1996.

Breeding technique used was: F2-derived family method.

Selection criteria: yield, maturity and seed quality in all generations.

Generation breeder seed was first bulked: F8

Lines bulked to form this variety: 57

This variety was observed to be uniform and stable over 6 generations. No variants or off-types were observed.

This variety does not contain any traits that are novel to its species.

Name and address of institution maintaining breeder seed:

Crop Development Centre
University of Saskatchewan
51 Campus Drive
Saskatoon, SK S7N 5A8

**Clarification to Exhibit A for CDC Redberry (Application No.
200500302)**

Plant Row 86-360: F2-derived F3 row population developed by Dr. Alfred E. Slinkard, former lentil breeder at the crop development centre, University of Saskatchewan.

ILL 5588: this is a lentil line collected from Jordan as international germplasm by ICARDA (International Centre for Agricultural Research in the Dry Areas). It has been released in Australia as the variety Northfield.

C8L27-RC: is a red cotyledon F2-derived breeding line developed by Dr. Albert Vandenberg and Dr. Alfred E. Slinkard in the lentil breeding program at the Crop Development Centre, University of Saskatchewan

EM-4: is an F2-derived breeding line developed by Dr. Albert Vandenberg and Dr. Alfred E. Slinkard in the lentil breeding program at the Crop Development Centre, University of Saskatchewan.

Exhibit B: Statement of Distinctness, CDC Redberry

The following is the Statement of Distinctiveness for CDC Redberry.

CDC Redberry is most similar to the variety CDC Blaze.

Basis a robust statistical analysis, the significant distinguishing characteristics of CDC Redberry compared with CDC Blaze (basis paired trials conducted in Western Canada in 2005 and 2006) are:

Kernel Weight

In 2005, the weight of 1000 kernels of CDC Redberry was 5.8 grams greater than the weight of 1000 kernels of CDC Blaze. In 2006 the difference was 8.3 grams. Summary of the statistical analysis for kernel weight for each of the two years is as follows:

ENTRY	NAME	2005	2005	2005	2005	2005	2005
		Kyle	Saskatoon	Rosthern	Swift Current	Goodale	Mean
		seed weight g/1000 seeds					
14	CDC Blaze	40.0	37.0	38.0	37.0	38.7	38.1
16	CDC Redberry	46.0	41.7	43.3	43.0	45.3	43.9
	CV	2.6	2.6	2.7	3.2	2.6	2.7
	LSD	1.5	1.3	1.5	1.6	1.4	1.5
	MSE	1.0	0.8	1.0	1.2	0.9	1.0
	SED	0.8	0.7	0.8	0.9	0.8	0.8
	ALPHA	0.1	0.1	0.1	0.1	0.1	0.1
	REP-MS	1.2	10.9	1.1	0.5	1.4	3.0
	REPS	3	3	3	3	3	3.0
	Seeding date	29-Apr	1-May	18-May	1-May	14-May	

ENTRY	NAME	2006	2006	2006	2006	2006	2006
		Kyle	Saskatoon	Rosthern	Swift Current	Goodale	mean
		seed weight g/1000 seeds					
14	CDC Blaze	37.0	37.3	37.7	35.7	35.7	36.7
16	CDC Redberry	47.0	43.3	45.7	45.3	43.7	45.0
	CV	3.6	2.5	1.7	2.7	2.6	2.6
	LSD	2.0	1.3	1.0	1.5	1.3	1.4
	MSE	1.8	0.8	0.5	1.0	0.8	1.0
	SED	1.1	0.7	0.6	0.8	0.7	0.8
	ALPHA	0.1	0.1	0.1	0.1	0.1	0.1
	REP-MS	0.1	0.2	4.4	0.5	15.1	4.0
	REPS	3	3	3	3	3	3.0
	Seeding date	25-Apr	27-Apr	05-May	30-Apr	29-Apr	

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Trial details

- 1 Each trial had 3 replications
- 2 Plot size 4' x 12' = 48 square feet
- 3 Seed weight determination determined by counting 200 seeds using Agriculex seed counter, then converted to g/1000 seeds.
- 4 All sites in Saskatchewan Canada
- 5 Sample seed weights determined from air-dried plot samples.

6

D. LENTIL OBJECTIVE DESCRIPTION

R1 CDC Crimson
R2 CDC Blaze

Applicant (name and address):

ALBERT VANDENBERG

200500302

CROP DEVELOPMENT CENTRE
UNIVERSITY OF SASKATCHEWAN
51 CAMPUS DRIVE
SASKATOON, SK CANADA S7N 5A8

Telephone: 306-966-8786 Facsimile: 306-966-5015

1.0 CLASSIFICATION:

1.1 Botanical name: *Lens culinaris* Medikus

1.2 Proposed variety denomination (name): CDC Redberry

1.3 Utilization:

feed/food green manure either

2.0 PLANT CHARACTERISTICS

2.1 Plant: growth habit

		CV	R1	R2	R3	R4
prostrate	3	6	6	6		
intermediate	5					
erect	7					

2.2 Plant: height (cm) (measured during late pod filling stage, from the ground to the tip of the extended foliage)

(#) *FROM COOL DATA*

		CV	R1	R2	R3	R4
mean		31	29	28		
range						

3.0 STEM CHARACTERISTICS

3.1 Stem: seedling stem pigmentation

(#)

		CV	R1	R2	R3	R4
absent	1	9	9	9		
present	9					

3.2 Stem: number of nodes to first flower

(#)

		CV	R1	R2	R3	R4
average number of nodes		12	11	11		

LENTIL OBJECTIVE DESCRIPTION

VARIETY NAME:

4.0 LEAF CHARACTERISTICS

4.1 Leaf: leaflet width (mm)(measure middle leaflet at the node of the first open flower)

	CV	R1	R2	R3	R4
small	3				
medium	5				
large	7				

4.2 Leaf: leaflet length (mm)(measure middle leaflet at the node of the first open flower)

small	3				
medium	5				
large	7				

4.3 Leaf: number of pairs of leaflets (no. of pairs of leaflets at the node of the first open flower)

average number of nodes					
-------------------------	--	--	--	--	--

4.4 Leaf: pubescence (observe before maturity)

absent	1				
slight	3				
strong	7				

4.5 Leaf: tendrils (record from flowering nodes)

rudimentary	1				
prominent	9				

5.0 FLOWERING CHARACTERISTICS

5.1 Time to flowering (time in days from sowing to when 50% of the plants have started to flower) (#)

early	3	5	4	4		
medium	5	57d	55d	55d		
late	7					

5.2 Time to maturity (time in days from sowing to when 90% of the pods are golden brown) (#)

early	3	5	4	4		
medium	5	93d	90d	90d		
late	7					

5.3 Flower colour

white	1	2	2	2		
white with blue veins	2					
blue	3					
violet	4					
pink	5					

LENTIL OBJECTIVE DESCRIPTION

VARIETY NAME:

5.4 Flower: number of flowers per peduncle

200500302

	CV	R1	R2	R3	R4
average number of flowers					

6.0 POD CHARACTERISTICS

6.1 Pod: number per peduncle

average number of pods					
------------------------	--	--	--	--	--

6.2 Pod: colour of ripe pods (#)

non-pigmented	1				
pigmented	9				

6.3 Pod: shattering

susceptible	3				
moderate	5				
resistant	7				

7.0 SEED CHARACTERISTICS

7.1 Seed: weight (100 random seeds after air-drying) (#)

average 100 seed weight	4.9	3.5	4.3		
-------------------------	-----	-----	-----	--	--

7.2 Seed: diameter (#)

small	3	5	3	4	
medium	5				
large	7				

7.3 Seed: shape (#)

globose	1	4	5	5	
flattened	9				

7.4 Seed: ground colour of testa (#)

white	1	3	4	3	
green	2				
grey	3				
brown	4				
black	5				
pink	6				
other	7				

LENTIL OBJECTIVE DESCRIPTION

VARIETY NAME:

200500302

7.5 Seed: pattern of testa (#)

		CV	R1	R2	R3	R4
absent	1	/	2	/		
dotted (speckled)	2					
spotted	3					
mottled (marbled)	4					
complex (combo of 2,3,4)	5					

7.6 Seed: colour of pattern on testa

olive-green	1					
grey	2					
violet	3					
brown	4					
black	5					

7.7 Seed: colour of hilum (#)

white	1	/	/	/		
dull brown	9					

7.8 Cotyledon colour (#)

yellow	3	5	5	5		
orange-red	5					
green	7					

8.0 AGRONOMIC CHARACTERISTICS

8.1 Lodging susceptibility

low	3					
medium	5					
high	7					

8.2 Low temperature tolerance

not tested	1					
poor	3					
fair	5					
good	7					

9.0 QUALITY CHARACTERISTICS

9.1 Protein content

percentage						
------------	--	--	--	--	--	--

9.2 Cooking quality (time of cooking)

slow	3					
medium	5					
fast	7					

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10.0 REACTION TO DISEASES

- 0 - not tested
- 1 - resistant
- 3 - moderately resistant
- 5 - moderately susceptible
- 7 - susceptible
- 9 - very susceptible

	CV	R1	R2	R3	R4
Ascochyta blight - <i>Ascochyta</i> spp.	R=1	R=1	R=1		
Anthrachnose - <i>Colletotrichum</i> spp.	R=1	R=1	R=7		
Fusarium root rot - <i>Fusarium</i> spp.					
Other (please specify)					

Race C

11.0 REACTION TO INSECTS

- 0 - not tested
- 3 - low susceptibility
- 5 - intermediate susceptibility
- 7 - high susceptibility

List insects

12.0 Describe traits of the candidate variety that aid in its identification, e.g. Electrophoresis, RFLP's, etc. Please attach data and corresponding protocol.

13.0 Describe any deviant plants, including both off-types and variants observed during seed increase of the candidate variety. The maximum allowable frequency of each variant for each class of pedigree seed must be given.

(#)

14.0 Indicate which characteristics are more useful in distinguishing the described candidate variety. Use objective description key numbers.

(#)

7.1 Seed wt more than all other small red lentil with grey or brown seed coats

5.1, 5.2 later flowering and maturity

2.2 taller than other small red varieties.

LENTIL OBJECTIVE DESCRIPTION

VARIETY NAME:

15.0 Additional characteristics

200500302

(March 29, 1995/mt)

CDC Redberry

VARIETY REGISTRATION APPLICATION FORM

Refer to the "Procedures for the Registration of Crop Varieties in Canada" document, to ensure that the application contains sufficient information for registration or contact the Variety Registration Office, Plant Health and Production Division for further information.

In order to avoid unnecessary delays in the registration process, please ensure that all pertinent information along with a properly tagged and sealed reference sample (or in the case of potato varieties, photographic slides) and the appropriate registration fee are submitted with the application.

As original signatures are required to complete the application for registration, applications submitted by facsimile must be followed by original applications sent by mail or courier.

(Publié aussi en français)

Previous versions of the application form should be destroyed

Crop Common name: Lentil
 Scientific name: Lens culinaris L.

Experimental Designation(s) 1254S-1

Proposed Variety Name CDC Redberry
 Please write name **exactly** as it should appear on legal documents with careful attention to the use of hyphens, spaces and capital letters.

I declare that I have not applied for or received a Canadian trademark for the name, of this variety.

Signature _____ Date November 30, 2004

Has this variety been applied for or granted Plant Breeders' Rights ? Yes No
 If yes, the name proposed for registration **must** be the same as the one for Plant Breeders' Rights.

In which countries (if any) is this variety presently being marketed?
None

Is this variety being marketed by **any other name** in other countries? Yes No
 If yes, please specify the name(s) and country(s) where sold _____

Registration Type

Full registration:
 Restricted registration: Interim registration
 Regional registration
 Contract registration
 Reinstatement:

Restrictions to registration are subject to the recommendations of the recommending committee and the provisions of the Seeds Regulations Part III.

Origin and Breeding

The amount of information required varies from crop to crop. Please provide as much detail as possible.

Name and complete address of breeding institution:

Crop Development Centre, University of Saskatchewan, 51 Campus Drive

Saskatoon, Saskatchewan, Canada S7N 5A8

Telephone #: 306-966-5855

Facsimile #: 306-966-5015

E-mail address: vandenberg@sask.usask.ca

Pedigree: For hybrid and composite crops, please give the uncoded pedigree and derivation of the inbred lines. For other crops, please provide as much information as possible on the genetic background of the variety.

1049F3 x 819-5R

In what year was the final cross made? (only applicable to non hybrid and non-composite varieties)

1997

What breeding techniques were used in developing this variety? (i.e. pedigree selection, clonal selection, single seed descent)

F2-derived family method

What selection criteria were used in developing this variety? In what generation(s) was selection conducted?

Yield, maturity, seed quality, disease resistance in all generations

In what generation was breeder seed first bulked?

F8

How many lines were bulked to form this variety?

71

**Varietal
Characteristics**

Enclose a description of the variety, using the objective description form (ODF) as a guide, where available (ODFs are not yet available for all crops). Please ensure that all varietal and major identifying characteristics (identified by "#" in the ODF) are included.

Does this variety contain traits that are novel to its species?:

No

Yes, please describe

**Additional
Information**

Please refer to the *Procedures for the Registration of Crop Varieties in Canada* for guidelines specific to some crops. The Variety Registration Office may, in addition to information provided in this application form, require that the applicant supply further information that will allow the Registrar to determine the merit and identity of the variety (i.e. more detailed morphological characteristics, history of development information, data to support disease reaction claims, etc.).

**Seed
Stocks**

Name and address of institution maintaining breeder seed. (If person maintaining breeder seed is a Canadian agent who is not the owner of the variety, a letter of authorization from the owner is required. The Canadian maintainer must be a plant breeder recognized by the Canadian Seed Growers' Association for crops other than potatoes.):

Crop Development Centre, University of Saskatchewan, 51 Campus Drive

Saskatoon, Saskatchewan Canada S7N 5A8

Do you wish this variety to be added to the "OECD List of Cultivars"? Unless there are exceptional circumstances, CFIA will only add varieties to the OECD List of Cultivars, for which breeder seed is being maintained in Canada. (Composite canola varieties are not added to the OECD list). Failure to complete the appropriate box will result in the variety not being added to the OECD list. If you are requesting addition of a hybrid, please supply descriptions of the inbred lines as well as the hybrid.

Yes

No

As part of your obligation for the OECD listing of a variety, upon request, you must supply a description and standard sample of the variety to official OECD certifying agencies.

**Canadian
Representative**

Name and address of Canadian representative (If the applicant is not the breeder or owner of the variety, a signed statement is required from the breeder or owner authorizing representation):

Telephone #: _____ Facsimile #: _____

E-mail address: _____

**Canadian
Distributor**

Name and address of Canadian distributor(s) if different from Canadian representative:

Saskatchewan Pulse Growers

310-111 Research Drive, Saskatoon, SK S7N 3R2

Telephone 306-668-5556

Fax 306-668-5557

**Name of
Recommending
Committee(s)**

Prairie Registration Recommending Committee for Grain

Year support was granted: 2003

It is the responsibility of the applicant to include a copy of the letter or motion of support, as well as the experimental data used by the recommending committee to support the variety.

**Reference
Sample**

For details on procedures for submitting reference samples, please see Section II 5.9 and Appendix II of the *Procedures for the Registration of Crop Varieties in Canada*.

**Contract
Registration**

The submission of the proposed quality control system manual for the variety is required under paragraph 68(2)(c) of the *Seeds Regulations*. (See Appendix VI of the *Procedures for the Registration of Crop Varieties in Canada* for more information).

As registrant, I agree that once the variety is registered, upon request, I will provide the Registrar with information relating to the distribution, use and disposition of any seed of the variety or any progeny thereof, and acknowledge that I am responsible for any seed or progeny that is not properly disposed of or accounted for.

Type or print name

Title

Signature

Date

Sign above ONLY if you are applying for contract registration

**ALL
APPLICATIONS
MUST BE
SIGNED HERE**

I certify that the information given in this application form is correct, including that the reference sample is properly drawn and is representative of the variety and meets the purity and germination requirements.

Application completed by: Albert Vandenberg

Type or print name

November 30, 2004

Signature of applicant

Date

Crop Development Centre, Univ. of Sask.

NOTE:

- (i) **The applicant must be a permanent resident in Canada.**
- (ii) **The applicant need not be the breeder or owner of the variety. Unless otherwise specified, once a variety is registered, the applicant is considered to be the registrant. Thus, the applicant/registrant must be in a position to accept full responsibility for compliance with all terms and conditions of a restricted registration.**
- (iii) **For foreign bred varieties, all correspondence with respect to the registration of this variety will be addressed to the Canadian representative.**
- (v) **The submission of false or misleading information will result in refusal of registration or in subsequent cancellation.**

APPLICATION CHECKLIST

A complete application package for registration of a variety must be submitted by the applicant, and will include the following:

Please refer to the relevant sections of the *Procedures for the Registration of Crop Varieties in Canada* before submitting application.

1. **Completed Variety Registration Application Form with original signatures on page 1 and page 4.**
2. **Properly sealed and tagged legal reference sample (see Appendix II and Section II.5.9), for potato varieties include slides (see Section II.5.10)**
3. **Description of Variety (see Section II.5.4)**
4. **Appropriate Registration Fees (see Appendix IX)**
5. **Authorization letter from breeder (if applicable) (see Sections II.5 h) and j))**
6. **Recommending Committee support and experimental data (see Section II.5 e) and f))**
7. **Data to substantiate claims (if applicable) (see Section II.5.4 f))**
8. **Kernel description for wheat and triticale (see Section II.5 d))**
9. **Notarized affidavits for PNT's (see Section II.5.6)**
10. **Quality Control System -for contract registration (see Appendix VI)**

Fee Submission for Variety Registration

200500302

A separate Fee Submission Form must be used and included in each application package

To be completed by Applicant: (Payment must be made in Canadian funds. No Goods and Services Tax applies.)

Variety: _____

Crop Kind: _____

	Cost	Project code
Application for permanent registration (national, regional, contract)	\$875	3792
Application for interim registration	\$200	3794
Annual renewal of interim registration	\$100	3800
Reinstatement of suspended or canceled registration	\$200	3796
Amending a variety name	\$200	3798

By Cheque or Money Order	
<input type="checkbox"/> Cheque	<input type="checkbox"/> Money Order
Cheques and money orders must be made payable to the Receiver General for Canada. Please ensure that all cheques can be drawn from a Canadian bank.	
By Credit Card	
<input checked="" type="checkbox"/> Visa	Card Holder's Name: _____ <small>Please print</small>
<input type="checkbox"/> Master Card	Company Name: _____ Telephone #: (306) _____
<input type="checkbox"/> American Express	Card Number: _____ / _____ <small>Expiry date</small>
Signature of Card Holder: _____	
By Direct Wire Transfer (AAFC Research Centres only)	
_____ Name and location of Research Centre	
_____ Print name of finance contact	Telephone #: () _____
_____ Signature of finance contact	IS Org. Code: _____
	IS Ref. Code: _____

NOTE: Once review of an application has been initiated, no refund will be issued.

Areas in grey are for office use only

Applicant: _____	Reference #: _____
Date fee received: _____	VARIETY REGISTRATION OFFICE

200500302

Appendix C

Objective Description of CDC Redberry

A completed Objective Description of CDC Redberry is attached.

U.S. DEPARTMENT OF AGRICULTURE
EXHIBIT C
AGRICULTURAL MARKETING SERVICE
SCIENCE & TECHNOLOGY DIVISION
PLANT VARIETY PROTECTION OFFICE
BELTSVILLE, MARYLAND 20705

(Lentil)

OBJECTIVE DESCRIPTION OF VARIETY
LENTIL (*Lens culinaris* Medik.)

NAME OF APPLICANT(S) <i>Crop Development Centre University of Saskatchewan</i>	FOR OFFICIAL USE ONLY
	PPVO NUMBER <i>200500302</i>
ADDRESS (Street and No. or R.F.D. No., City, State, and Zip Code) <i>51 Campus Drive Saskatoon, SK. S7N 5A8</i>	VARIETY NAME
	TEMPORARY OR EXPERIMENTAL DESIGNATION

PLEASE READ ALL INSTRUCTIONS CAREFULLY: Place the appropriate number that describes the varietal character of this variety in the boxes below. Place a zero in the first box (e.g. or) when number is either 99 or less or 9 or less respectively. Data for quantitative plant characters should be based on a minimum of 25 plants. Comparative data should be determined from varieties entered in the same trial. Royal Horticultural Society or any recognized color standard may be used to determine plant colors; designate system used: *Royal Horticultural Society*
Please answer all questions for your variety; lack of response may delay progress of your application.

1. MATURITY:

Relative Maturity: 1=Early 2=Medium 3=Late

Days from Planting to Harvest.

Days from Planting to Harvest of the Check Variety. Name of the Check Variety = *CDC Blaze*

2. PLANT HABIT:

Type: 1=Determinate 2=Intermediate 3=Indeterminate

Plant Height in centimeters.

Plant Height of the Check Variety. Name of the Check Variety = _____

Pod Position: 1=Low (lower pods touching the soil surface)
2=High (lower pods not touching the soil surface)
3=Scattered (not concentrated high or low)

Adaptability to machine harvest: 1=Adapted 2=Not Adapted

Lodging Resistance: 1=Good 2=Fair 3=Poor

3. LEAFLET MORPHOLOGY:

Leaflet Texture: 1=Smooth 2=Wrinkled

Leaflet Surface: 1=Dull 2=Glossy 3=Semiglossy 4=Variable

Relative Size: 1=Small 2=Medium 3=Large

Leaflet Shape: 1=Ovate 2=Lanceolate 3=Deltoid 4=Cordate 5=Rhomboid

Apex of Leaflet: 1=Acute 2=Acuminate 3=Cuspidate 4=Obtuse

Base of Leaflet: 1=Obtuse 2=Oblique 3=Cordate 4=Cuneate 5=Attenuate

200500302

4. FLOWER:

- 6 Color of Standard: 1=White 2=Cream 3=Pink 4=Blue 5=Purple 6=White/Blue 7=Other=_____
- 6 Color of Wings: 1=White 2=Cream 3=Pink 4=Blue 5=Purple 6=White/Blue 7=Other=_____
- 6 Color of Keel: 1=White 2=Cream 3=Pink 4=Blue 5=Purple 6=White/Blue 7=Other=_____
- 57 Number of Days to 50 Percent Bloom.

5. POD MORPHOLOGY:

- | | | | | |
|--------------------------|--------------------------|--|--|---|
| Green | Mature | | | Color Pattern: 1=Solid 2=Striped 3=Blotched 4=Mottled 5=Other=_____ |
| <input type="checkbox"/> | <input type="checkbox"/> | | | Primary Color: 1=Purple 2=Red 3=Green 4=Yellow 5=Tan 6=Brown 7=Other=_____ |
| <input type="checkbox"/> | <input type="checkbox"/> | | | Color Modifier: 1=Light 2=Light Medium 3=Medium 4=Medium Dark 5=Dark |
| <input type="checkbox"/> | <input type="checkbox"/> | | | Secondary Color: 1=Purple 2=Red 3=Green 4=Yellow 5=Tan 6=Brown 7=Other=_____ |
| <input type="checkbox"/> | <input type="checkbox"/> | | | Cross Section Shape: 1=Flat 2=Pear 3=Round 4=Figure-8 |
| <input type="checkbox"/> | <input type="checkbox"/> | | | Pod Curvature: 1=Straight 2=Slightly Curved 3=Curved 4=Recurved |
| <input type="checkbox"/> | <input type="checkbox"/> | | | Pod Beak Orientation: 1=Straight 2=Curved Upward 3=Curved Downward 4=Variable |
| <input type="checkbox"/> | <input type="checkbox"/> | | | Pod Constrictions: 1=None 2=Slight 3=Deep |
| <input type="checkbox"/> | <input type="checkbox"/> | | | Average Beak Length in millimeters. |
| <input type="checkbox"/> | <input type="checkbox"/> | | | Average Number of Seeds per Pod. |

6. SEED COLOR:

- 2 Seed Luster: 1=Shiny 2=Dull 3=Semishiny 4=Variable
- 1 1=Monochrome 2=Polychrome
- 1 2 Primary Color: 1=White 2=Yellow 3=Beige 4=Tan 5=Brown 6=Pink 7=red 8=Purple 9=Blue 10=Black 11=Green 12=Other= Gray
- Secondary Color: 1=White 2=Yellow 3=Buff 4=Tan 5=Brown 6=Pink 7=red 8=Purple 9=Blue 10=Black 11=Green 12=Other=_____
- Seed Fleck Color: 1=White 2=Yellow 3=Buff 4=Tan 5=Brown 6=Pink 7=red 8=Purple 9=Blue 10=Black 11=Green 12=Other=_____
- Seedcoat Color Pattern: 1=Solid 2=Splashed 3=Mottled 4=Striped 5=Flecked 6=Dotted
- Hilum Color: 1=White 2=Yellow 3=Buff 4=Tan 5=Brown 6=Pink 7=red 8=Purple 9=Blue 10=Black 11=Green 12=Other=_____
- 5 Cotyledon Color: 1=Yellow 2=Orange 3=Red 4=Yellow/Orange 5=red/Orange

7. SEED SHAPE AND WEIGHT:

- 1 Shape: 1=Round 2=Oval 3=Cuboid 4=Kidney 5=Truncate/Fastigiate
- 4.9 Dry Seed Weight in Grams per 100 Seeds (adjusted to 12% moisture)

200500302

8. ANTHOCYANIN PIGMENTATION: 1=Absent 2=Present

Flowers Stems Pods Seeds

Leaves Petioles Peduncles Nodes

9. DISEASE or PEST REACTION: 1=Susceptible 2=Resistant 3=Tolerant 4=Avoidance 0=Not Tested

(Give the common name (CN), scientific name (SN), and race/biotype/pathotype (R), where applicable)

Anthracnose (*Colletotrichum* spp.) Race Ct 1

Ascochyta (*Ascochyta pisi*)

Fusarium (*Fusarium solani*)

Pythium (*Pythium ultimum*)

Pea Enation Mosaic Virus

White Mold (*Sclerotinia sclerotiorum*)

CN _____ SN _____ R _____

CN _____ SN _____ R _____

CN _____ SN _____ R _____

CN _____ SN _____ R _____

CN _____ SN _____ R _____

CN _____ SN _____ R _____

CN _____ SN _____ R _____

CN _____ SN _____ R _____

Weevils

CN _____ SN _____ R _____

CN _____ SN _____ R _____

10. PHYSIOLOGICAL STRESS REACTION: 1=Susceptible 2=Resistant 3=Tolerant 4=Avoidance 0=Not Tested

Heat Cold Drought Air Pollution

11. COMMENTS:

Exhibit D**Additional Description of the Variety**

Attached are:

- i. Statistical tables from the PRRCG's 2001 Lentil Co-operative Trial in Western Canada.
- ii. Statistical tables from the PRRCG's 2002 Lentil Co-operative Trial in Western Canada.
- iii. Letter of 'Names Cleared'

CDC Viceroy

Table 1. Agronomic performance summary for entries in the 2001 Lentil Co-operative Trial "A" in western Canada

Market class (MC)	Line	Years in trial	Cat. colour	Seed coat	kg/ha	MC check	% of Milestone	Days to flower maturity	Height (cm)	Lodging (1-9)	Seed weight g/1000	% seed over >12/64	Anthraxnose rating							
													Race 1 95B36	Race 9 95A8						
													[2]	[4]	[5]	[1]	[6]	[1]	[1]	
													Yield	Days to maturity	Days to maturity	Height	Seed weight	% seed over	Race 1	Race 9
													NA	103	89	31	59	93	MR	S
Medium green	1153-2-17	2	Y	G	1484	NA	103	52	89	31	1.3	59	93	MR	S					
Small green	CDC Milestone	7	Y	G	1421	100	100	54	87	27	2.7	48	74	MS	S					
Small green	1048-6R	2	Y	G	1271	99	99	56	88	28	2.7	44	73	MS	S					
Small green	1048-6R	2	Y	G	1558	109	109	58	92	30	3.0	46	86	MS	S					
Small green	1086-E-4	2	Y	G	1458	103	103	56	89	29	2.8	41	39	R	S					
Small green	1070-6R	2	Y	G	1307	92	92	54	80	28	5.4	48	79							
Small green	1114-6	1	Y	G	1271	99	99	54	91	28	1.7	48	84							
Small green	1118-1-1	1	Y	G	1360	98	98	53	88	28	2.8	44	39							
Small green	1118-1-17	1	Y	G	1276	90	90	55	89	28	2.4	38	28							
Small green	1118-1-7	1	Y	G	1397	98	98	58	91	30	3.3	44	64							
Small green	1134-4-17	1	Y	G	1392	96	96	54	88	27	2.0	44	54							
Small green	1134-4-27	1	Y	G	1407	99	99	54	89	28	3.3	47	82							
Small green	1134-4-39	1	Y	G	1407	99	99	55	89	28	3.0	48	93							
Small green	1134-4-5	1	Y	G	1387	98	98	54	88	28	1.7	42	44							
Small green	PI 488801	2	Y	G	1333	94	94	59	92	33	4.3	48	76							
Small red	Chimson	4	R	B	1134	100	80	54	88	24	5.1	45	66							
Small red	CDC Blaze	3	R	B	1070	94	75	54	88	27	3.0	44	66							
Small red	CDC Redcap	4	R	G	1038	82	73	52	87	28	2.4	43	48							
Small red	CDC Robin	4	R	B	1128	98	79	54	87	28	2.0	38	5	R	S					
Small red	1082-15R	2	R	G	1343	118	94	58	92	31	3.3	57	96							
Small red	1082-22R	2	R	G	1287	113	91	55	91	31	3.3	50	92							
Small red	1110-13RY-5	1	R	B	1376	121	97	58	90	28	3.0	42	62							
Small red	1119-2-10	1	R	G	1430	126	101	54	87	27	3.0	49	71							
Small red	1119-2-3	1	R	B	1427	128	100	55	88	29	2.0	46	64							
Small red	1119-2-7	1	R	B	1381	122	97	55	88	29	3.9	47	75							
Small red	1125-1-5	1	R	B	1437	127	101	67	90	29	2.3	38	27							
Small red	1129-4	1	R	B	1327	117	93	58	81	28	4.6	38	13							
Small red	1145-3-6	1	R	B	1398	123	98	59	92	31	1.7	47	80							
Small red	1145-3-8	1	R	B	1241	109	87	56	90	28	1.7	41	37							
Small red	1152-2-5	1	R	B	1217	107	88	54	88	28	1.3	41	46							
Small red	1254s-1	1	R	B	1215	107	86	56	91	30	2.3	62	88							
Small red	971-16	3	R	BM	874	77	91	52	85	25	3.0	41	44							
Spanish brown	Pardina	1	Y	P	1058	100	74	52	86	25	4.7	46	55							
Spanish brown	1076-13	1	Y	P	1480	140	104	53	88	29	2.2	53	64							
Spanish brown	1078-4	1	Y	P	1361	129	96	53	85	31	2.7	46	87							
Spanish brown	901-1Y	2	Y	P	1281	121	90	53	87	28	2.3	38	17							
Mean					1310		92													

Lines in bold type are checks for market class. Numbers in [] indicate number of sites.
 Codes for seed characters: Y-yellow, R-red. Seed coat: G-green; M-dark marbled pattern; B-brown; P-Pardina type.
 Anthracnose ratings: R-resistant, MR-moderately resistant, MS-moderately susceptible, S-susceptible.
 NA-not available.

Table 2. Yield performance of entries in the 2001 Lentil Co-operative Trial "A" in western Canada

Market class (MC)	Line	Years in trial	Cot. colour	Seed coat	Yield in kg/ha				Bow (t)	Mean	Yield % of		
					Goodale	Eloose	Scott	Swift			Asinib	MC check	CDC Milestone
Medium green	1158-2-17	2	Y	G	2230	870	1238	1710	1808	928	1464	NA	103
Small green	GDC Milestone	7	Y	G	1845	877	1373	1806	2160	878	1421	100	100
Small green	1048-8R	2	Y	G	2095	877	1382	1457	946	1088	1271	89	88
Small green	1048-8R	2	Y	G	2305	881	1457	1198	2336	1167	1556	109	108
Small green	1088-E-4	2	Y	G	1881	782	1405	1873	1947	1102	1458	103	103
Small green	1070-8R	2	Y	G	1748	773	1146	1398	1857	923	1307	92	92
Small green	1114-5	1	Y	G	1983	813	1215	1173	1538	905	1271	89	88
Small green	1118-1-1	1	Y	G	2003	841	1229	1660	1792	846	1360	96	96
Small green	1116-1-17	1	Y	G	1848	813	1197	1342	1808	1108	1276	90	90
Small green	1116-1-7	1	Y	G	1889	717	1102	1449	1862	1281	1387	98	98
Small green	1134-4-17	1	Y	G	1921	861	1198	1284	2300	809	1362	96	96
Small green	1134-4-27	1	Y	G	1982	738	1279	1396	2084	881	1407	99	99
Small green	1134-4-38	1	Y	G	1811	676	1290	1483	2121	861	1407	99	99
Small green	1134-4-5	1	Y	G	1978	828	1259	1141	2167	1041	1387	96	96
Small green	PI 489801	2	Y	G	1842	839	1146	1331	1831	1110	1333	94	94
Small red	Crimson	4	R	B	1340	803	1288	1182	1837	922	1134	100	80
Small red	GDC Blaze	3	R	B	1465	450	1049	949	1617	893	1070	94	75
Small red	GDC Radcep	4	R	G	1889	676	1193	1055	933	732	1039	92	73
Small red	GDC Robin	4	R	B	1812	604	1189	1087	1492	871	1128	98	79
Small red	1082-15R	2	R	G	1811	878	1050	1311	1868	1139	1343	118	94
Small red	1082-22R	2	R	G	1463	784	1086	1478	1780	1241	1287	113	91
Small red	1110-13RY-5	1	R	B	1988	882	1174	1855	1808	1041	1378	121	97
Small red	1118-2-10	1	R	G	1818	891	1278	1732	1842	1018	1430	128	101
Small red	1119-2-3	1	R	B	1959	710	1302	1709	2014	871	1427	126	100
Small red	1119-2-7	1	R	B	1923	725	1190	1694	1887	980	1381	122	97
Small red	1125-1-5	1	R	B	1958	759	1185	1378	2251	1083	1437	127	101
Small red	1129-4	1	R	B	1555	881	1142	1497	1686	1219	1327	117	93
Small red	1145-3-6	1	R	B	1980	998	1131	1483	1820	1276	1388	123	98
Small red	1145-3-8	1	R	B	1886	851	1080	1233	1707	889	1241	109	87
Small red	1152-2-5	1	R	B	1878	681	1076	1157	1586	917	1217	107	86
Small red	12548-1	1	R	B	1922	657	1074	1129	1486	1026	1215	107	88
Small red	971-18	3	R	BM	1388	530	1088	819	893	785	874	77	81
Spanish brown	Pardina	1	Y	P	1614	645	1241	1144	1220	571	1088	100	74
Spanish brown	1076-13	1	Y	P	1850	765	1324	1477	2138	1197	1480	140	104
Spanish brown	1076-4	1	Y	P	1999	899	1251	1270	2056	952	1391	128	98
Spanish brown	901-1Y	2	Y	P	1852	578	1278	1368	1733	887	1281	121	90
Mean					1848	692	1206	1357	1773	985	1310		82
LSD 0.05					157	100	148	286	198	197			
CV (%)					5.7	9.7	8.1	11.9	8.8	13.8			

Lines in bold type are checks for market class. Numbers in [] indicate number of sites.

Codes for seed characters. Cotyledon colour: Y - yellow; R - red. Seed coat: G - green; M - dark marbled pattern; B - brown; P - Pardina type.

NA - not available.

Table 3. Yield performance summary of second year entries in the 2000-2001 Lentil Co-operative Trials "A" in western Canada

Year	Location	Yield in kg/ha																Sp. Brown
		A*				Green lentil				Red lentil				A				
		A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
		Milestone	1066-E-4	1046-8R	1046-8R	1166-2-17	1070-8R	Milestone	PI 488901	Crimson	CDC Blaise	CDC Robin	CDC Redcap	1062-16R	1062-22R	901-1Y		
2000	Presion-(D)	2125	2261	2397	2326	1850	2062	2147	1855	1818	2131	1459	1928	2308	2049	1904		
	Goodale	2690	2900	2788	2220	3042	2309	2607	2615	1998	1927	1750	2474	2213	2947	2149		
	Floral	2632	1881	2381	2207	2603	2091	2227	2105	1993	2054	2057	2067	2216	2033	2363		
	Elrose	2616	2554	2494	2708	2942	2777	2395	2492	2466	2293	2383	2375	3054	2664	2640		
	Carlyle	1811	2174	1995	1438	2046	1572	1643	1512	1431	1748	1505	1658	1542	1513	1804		
	Swift Current	2734	2768	2952	2893	2442	2884	3049	2526	2696	2720	2525	2533	2508	2681	2971		
	Fox Valley	1083	1001	786	937	1215	1004	1209	1032	1022	1054	749	1131	904	857	853		
	Scott	2480	2321	2227	2675	2456	2275	2266	2072	2022	1805	1717	2122	2208	2289	2363		
	Rosihorn	1745	2148	1881	2395	2095	1936	1389	1684	1826	1680	1073	1559	1877	1822	2194		
2001	Goodale	1845	1861	2085	2305	2230	1748	1845	1842	1940	1465	1812	1695	1811	1453	1832		
	Elrose	677	762	677	881	870	773	677	638	603	450	504	676	878	764	578		
	Scott	1373	1405	1382	1457	1238	1146	1373	1145	1268	1049	1189	1133	1050	1056	1278		
	Swift Current	1806	1673	1457	1198	1710	1396	1606	1331	1132	949	1097	1065	1311	1418	1369		
	Assiniboia	2150	1947	945	2336	1808	1857	2150	1831	1637	1517	1492	933	1868	1790	1733		
	Bow Island -(I)	878	1102	1068	1157	929	923	878	1110	922	993	671	732	1139	1241	697		
	Mean of 15 sites	1902	1924	1828	1929	1866	1784	1831	1725	1805	1594	1466	1612	1792	1739	1790		
	% CDC Milestone	100	101	96	101	103	94	100	94	84	84	77	85	94	91	94		
	% Crimson									100	99	91	100	112	108			
* A - Trial A in both years; B, A - Trial B in 2000, Trial A in 2001																		
1066-E-4																		
CDC Viceroy																		

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Table 4. Two year agronomic performance summary for second year entries in the 2000-2001 Lentil Co-operative Trial "A" in western Canada

Market class (MC)	2000 Trial	2001 Trial	Line	Cof. colour	Seed coat	kg/ha	Yield % of MC check	% of Milestone	Days to flower	Days to maturity	Height (cm)	Lodging (1-9)	Seed weight g/1000	% seed over >12/84	Anthracnose		Aecchyta infection seed %	
															2000 field (0-11)	2001 lab Race 1		
Small green	A	A	CDC Milestone	Y	G	1902	100	100	57	88	28	3.6	42	61	8.7	MS	S	2.3
Small green	A	A	1048-6R	Y	G	1828	96	96	66	90	30	3.1	39	57	7.3			1.0
Small green	A	A	1048-8R	Y	G	1829	101	101	58	93	34	2.5	42	71	6.0	MS	S	4.7
Small green	A	A	1088-E-4	Y	G	1924	101	101	67	91	32	3.1	37	33	6.7	R	S	2.0
Small green	A	A	1070-8R	Y	G	1784	94	94	56	91	32	4.4	42	69	7.0			2.0
Medium green	A	A	1155-2-17	Y	G	1865	103	103	54	92	33	2.7	53	88	7.7	MR	S	0.0
Small green	B	A	CDC Milestone	Y	G	1831	100	100	66	88	30	3.1	42	62	8.3			6
Small green	B	A	PI 488801	Y	G	1725	94	94	69	92	37	4.1	41	62	6.7			9.7
Small red	A	A	Grimson	R	B	1605	100	84	66	89	26	6.3	41	48	9.0			26.0
Small red	A	A	CDC Blaze	R	B	1594	99	84	55	90	28	2.2	40	53	7.3			0.0
Small red	A	A	CDC Redcap	R	G	1612	100	88	54	90	31	2.9	39	35	7.7			0.3
Small red	A	A	CDC Robin	R	B	1468	91	77	55	92	31	2.3	32	3	7.7			0.7
Small red	A	A	1062-15R	R	G	1792	112	94	68	94	33	3.2	51	88	7.7			2.3
Small red	A	A	1062-22R	R	G	1739	108	91	57	91	32	4.2	45	87	7.5			1.7
Spanish brown	A	A	901-1Y	Y	P	1790	NA	94	56	80	33	2.9	34	15	7.0			1.3

Lines in **bold type** are checks for market class. Numbers in [] indicate number of sites.

Pathology ratings: Race 1 - isolate 95B36; Race 9 - isolate 95A8; R - resistant; MR - moderately resistant; MS - moderately susceptible; S - susceptible. 2001 laboratory ratings for selected lines only.

Codes for seed characters. Cotyledon colour: Y-yellow; R - red. Seed coat: G - green; M - dark marbled pattern; B - brown; P - Pardina type.

1068-E-4 CDC Viceroxy

Table 1. Agronomic performance summary for entries in the 2002 Lentil Co-operative Trial "A" in western Canada

Market class (MC)	Line	Entry	Years in trial	Cot. colour	Seed coat	kg/ha	Yield % of MC check	Days to flower	% of Milestone	Height (cm)	Lodging (1-9)	Seed weight g/1000	% seed over >12/84	Seed Colour (1-5)	Field disease ratings		
															Ascochyta (0-11)	Anthracnose (0-11)	
Medium green	CDC Vantage	6	6	Y	G	920	100	58	93	35	2.4	61	95	3.8	2.1	2.4	
Medium green	1038-L-18	8	3	Y	G	1146	125	57	116	37	1.8	60	97	4.0	2.7	2.9	
Medium green	1207G-13	28	1	Y	G	1184	129	57	120	37	1.2	62	95	3.4	2.0	2.7	
Medium green	1208G-35	29	1	Y	G	1160	128	57	118	37	1.5	62	96	4.2	2.3	2.9	
Medium green	1211-41	30	1	Y	G	1131	123	58	115	38	1.7	55	96	4.0	1.3	3.1	
Medium green	1211m-16	31	1	Y	G	1167	127	57	116	37	1.3	55	85	4.2	2.0	2.6	
Medium green	1162-27	32	1	Y	G	1099	119	58	111	37	1.5	62	95	3.8	1.8	2.5	
Medium green	1159-5-11	35	2	Y	G	1209	131	55	123	36	1.7	55	96	4.6	1.0	2.4	
Medium green	1170s-15	36	1	Y	G	1177	128	58	119	34	1.6	55	83	4.2	2.3	2.8	
Small green	CDC Milestone	2	8	Y	G	986	100	55	100	33	1.8	43	76	4.6	1.6	3.5	
Small green	1066-E-4	5	3	Y	G	1098	111	56	111	35	2.6	38	54	3.8	1.7	2.3	
Small green	1153-11	27	1	Y	G	1142	116	58	116	34	2.0	41	80	4.4	2.0	2.4	
Small green	1134-4-17	33	2	Y	G	971	98	57	98	32	1.8	39	55	4.2	2.2	2.6	
Small green	1134-4-27	34	2	Y	G	1021	104	56	104	33	2.0	44	85	4.2	2.3	3.0	
Small red	Crimson	1	5	R	B	844	100	55	66	29	3.2	41	70		2.8	3.8	
Small red	CDC Robin	4	5	R	B	879	137	55	89	34	1.2	33	13		2.0	2.5	
Small red	CDC Blaze	7	4	R	B	803	125	55	81	32	1.8	40	68		2.8	3.5	
Small red	1193-2-21	9	1	R	B	1138	177	58	115	32	1.3	38	27		2.4	2.8	
Small red	1193-6-10	10	1	R	B	982	152	55	100	34	2.3	35	27		1.7	3.3	
Small red	1194-3	11	1	R	B	1163	181	58	116	37	0.7	35	40		2.0	2.2	
Small red	1218d-3	12	1	R	B	1085	168	55	110	36	2.3	38	46		2.3	2.4	
Small red	1190s-10	13	1	R	B	1105	172	56	112	34	1.6	37	60		2.9	3.2	
Small red	1218d-13	14	1	R	B	1202	187	57	122	37	2.2	37	39		1.6	2.1	
Small red	1110-13RY-5	15	2	R	B	1094	170	59	111	32	2.7	39	68		1.4	2.6	
Small red	1218d-18	16	1	R	B	1144	178	57	116	34	1.6	41	68		1.9	3.1	
Small red	1245s-7	17	1	R	B	965	150	56	98	33	2.2	42	83		2.3	2.9	
Small red	1254s-16	18	1	R	B	1183	184	57	120	36	1.4	40	90		2.1	2.5	
Small red	1266s-24	19	1	R	G	1116	173	58	113	35	2.3	48	92		1.7	3.3	
Small red	1264s-1	20	2	R	B	1154	179	57	117	35	2.2	47	89		1.8	2.7	
Small red	1145-3-6	21	2	R	B	1178	183	57	119	36	1.8	42	73		2.8	3.1	
Small red	1126-1-5	22	2	R	B	1162	180	57	118	38	1.7	38	32		2.0	2.6	
Small red	1119-2-3	23	2	R	B	970	151	55	96	35	2.3	41	66		3.1	2.6	
Small red	1118-2-7	24	2	R	B	827	128	57	84	35	2.7	40	64		2.3	2.8	
Spanish brown	Parolina	3	2	Y	P	604	100	53	61	29	3.6	45	69		2.4	4.0	
Small green	901-1-26RS	26	1	Y	BM	1206	200	57	122	36	1.4	35	44		1.7	3.0	
Spanish brown	1076-13	25	2	Y	P	970	161	53	98	36	2.0	43	65		3.7	17.6	
CV (%)																	
LSD (0.05)																	

Lines in bold type are checks for market class. Numbers in [] indicate number of alleles.

Codes for seed characters. Cotyledon colour: Y-yellow; R-red. Seed coat: G-green; M-dark marbled pattern; B-brown; P-Parolina type.

Disease ratings: 0-11 Horsfall-Parrott Scale

Lodging scores: 1-upright; 9-flat.

Seed Coat Colour: 1 - all seed coats green; 5 - all seed coats bleached

Table 2. Yield performances of entries in the 2002 Lentil Co-operative Trial 'A' in western Canada

Market class (MC)	Line	Years in trial	Col. colour	Seed coat	Yield in kg/ha							Yield % of		
					Goodale	Roatham	Scott	Swift	Aselinb	Girvin	SPG	Mean	MC check	CDC Milestone
Medium green	CDC Vantage	6	Y	G	1117	602	491	1518	1253	667	784	920	100	93
Medium green	1036-L-18	3	Y	G	1076	1014	580	2103	1597	810	849	1146	126	116
Medium green	1207d-13	1	Y	G	1218	1072	538	2159	1993	539	771	1184	129	120
Medium green	1208d-35	1	Y	G	911	900	549	2208	2097	554	901	1160	126	118
Medium green	1211-41	1	Y	G	1182	959	562	2081	1615	723	796	1131	123	115
Medium green	1211m-16	1	Y	G	1075	875	496	2520	1720	667	818	1167	127	118
Medium green	1162-27	1	Y	G	1233	935	443	2115	1702	485	779	1089	119	111
Medium green	1159-5-11	2	Y	G	1152	853	548	2257	2226	618	809	1209	131	123
Medium green	1170s-15	1	Y	G	1200	987	468	2073	1861	758	895	1177	128	119
Small green	CDC Milestone	8	Y	G	1120	811	448	2204	900	595	823	986	100	100
Small green	1068-E-4	3	Y	G	925	749	491	2211	1610	829	854	1096	111	111
Small green	1153-11	1	Y	G	1308	748	508	2124	1803	620	898	1142	116	116
Small green	1134-4-17	2	Y	G	1228	681	514	1636	1166	424	1146	971	98	98
Small green	1134-4-27	2	Y	G	1204	801	539	1957	1325	455	869	1021	104	104
Small red	Crimson	5	R	B	597	639	440	1257	667	418	489	644	100	65
Small red	CDC Robin	5	R	B	1038	603	491	1558	1174	532	758	879	137	89
Small red	CDC Blaze	4	R	B	819	603	480	1418	1073	538	687	803	125	81
Small red	1193-2-21	1	R	B	1142	842	535	2089	1796	661	897	1138	177	115
Small red	1193-6-10	1	R	B	1052	729	456	1870	1413	544	811	982	152	100
Small red	1194-3	1	R	B	1174	880	498	1905	2066	614	1006	1163	181	118
Small red	1218d-3	1	R	B	983	795	598	2073	1592	745	809	1085	168	110
Small red	1190s-10	1	R	B	984	950	522	2072	1831	554	810	1105	172	112
Small red	1218d-13	1	R	B	992	938	628	2361	1874	570	1051	1202	187	122
Small red	1110-13RY-5	2	R	B	935	599	442	1905	2277	460	1068	1094	170	111
Small red	1218d-18	1	R	B	1102	946	608	2204	1567	620	961	1144	178	116
Small red	1245s-7	1	R	B	980	743	453	1690	1615	592	684	965	150	98
Small red	1254s-16	1	R	B	1182	866	547	2213	1807	639	1036	1163	184	120
Small red	1266s-24	1	R	G	1217	837	586	2370	1168	708	928	1116	173	113
Small red	1254s-1	2	R	B	1367	891	542	1671	1911	797	899	1154	179	117
Small red	1145-3-6	2	R	B	1271	879	661	2382	1506	679	970	1178	183	119
Small red	1125-1-5	2	R	B	1161	1011	506	2059	1692	695	1010	1162	180	118
Small red	1119-2-3	2	R	B	1100	688	570	2009	849	694	876	970	151	98
Small red	1119-2-7	2	R	B	785	657	462	1721	865	680	641	927	128	84
Spanish brown	Pardina	2	Y	P	619	607	480	1166	232	568	555	604	100	61
Small green	901-1-28RS	1	Y	BM	1201	819	590	2327	2038	522	947	1206	200	122
Spanish brown	1076-13	2	Y	P	789	691	545	1841	1890	624	624	970	161	98
Mean					1067	810	520	1981	1543	617	473			
LSD					163	104	47	184	167	92	64			
CV (%)					18.9	15.9	12.1	15.2	12.0	16.9	19.9			

Lines in bold type are checks for market class. Numbers in [] indicate number of sites.

Codes for seed characters. Cotyledon colour: Y - yellow; R - red. Seed coat: G - green; M - dark marbled pattern; B - brown; P - Pardina type.

Lodging scores: 1 - upright; 9 - flat.

CDC Redberry

Table 4. Two year agronomic performance summary for second year entries in the 2000-2001 Lentil Co-operative Trial "A" in western Canada

Market class (MC)	2001 Trial	2002 Trial	Line	Cot. colour	Seed coat	kg/ha	Yield % of MC check	Millstone % of	Days to flower	Days to maturity	Height (cm)	Lodging (1-9)	Seed weight g/1000	% seed over >12/64	Field disease ratings (0-11)	Anthracnose (0-11)
Small green	A	A	CDC Millstone	Y	G	1187	100	100	56	91	28	2.5	44	78.3	2.0	3.5
Small green	A	A	1088E-4	Y	G	1263	106	106	58	92	31	2.1	39	46.9	2.0	2.3
Small green	A	A	1134-4-17	Y	G	1151	97	97	55	90	28	1.8	41	54.7	1.7	2.6
Small green	A	A	1134-4-27	Y	G	1199	101	101	55	92	29	2.4	46	83.3	3.0	3.0
Medium green	B	A	CDC Vantage	Y	G	1207	100	102	57	92	33	2.5	63	86.2	1.7	2.4
Medium green	B	A	1038-L-18	Y	G	1338	111	113	58	98	34	2.1	62	95.7	2.0	2.9
Medium green	B	A	1159-5-11	Y	G	1327	110	112	58	91	31	1.7	58	96.1	2.7	2.4
Small red	A	A	Grimson	R	B	870	100	73	55	89	25	3.6	43	66.1	2.0	3.6
Small red	A	A	CDC Robin	R	B	984	114	84	55	90	29	1.4	35	8.7	2.0	2.5
Small red	A	A	CDC Blaze	R	B	926	106	76	55	90	28	2.2	42	66.9	2.3	3.5
Small red	A	A	1110-13RY-5	R	B	1224	141	103	59	92	29	2.6	41	65.1	2.3	2.6
Small red	A	A	1254s-1	R	B	1162	136	100	57	93	31	2.2	49	88.6	2.3	2.7
Small red	A	A	1145-3-6	R	B	1280	147	108	58	95	32	1.8	44	76.4	2.3	3.1
Small red	A	A	1125-1-5	R	B	1289	148	109	57	92	31	1.9	38	29.3	3.0	2.6
Small red	A	A	1119-2-3	R	B	1181	138	99	55	91	30	2.2	43	65.0	2.0	2.5
Small red	A	A	1119-2-7	R	B	1083	124	91	58	92	30	3.1	44	69.2	2.7	2.8
Spanish brown	A	A	Pardina	Y	P	812	100	68	53	88	25	4.0	45	61.8	2.0	4.0
Spanish brown	A	A	1076-13	Y	P	1206	148	102	53	90	30	2.1	48	79.4	2.0	2.8

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Table 3. Yield performance summary of second year entries in the 2001-2002 Lentil Co-operative Trial "A" in western Canada.

Year	Location	Small green		Medium green		Yield in kg/ha		Small red		Spanish Brown						
		A	A	B.A	B.A	A	A	A	A	A	A					
2001	Milestone	1845	1881	1088E-4	1134-4-17	1134-4-27	CDC	Bleze	110-13RY	1264s-1	1145-3-6	1125-1-5	1119-2-3	1119-2-7	Pardina	1076-13
	Goodale	677	752	681	736	1982	1742	1485	1898	1822	1880	1688	1859	1923	1514	1950
	Eroos	1373	1405	1188	1278	1860	821	460	582	657	889	769	710	725	645	795
	Scott	1608	1673	1284	1396	1605	1860	1049	1174	1074	1131	1185	1302	1190	1241	1324
	Assinibola	2150	1947	2300	2064	1760	1634	1517	1808	1486	1820	2251	2014	1987	1144	1477
	Bow Island (-)	878	1102	808	881	1468	1283	883	1041	1025	1276	1093	871	850	571	1197
	Goodale	1120	925	1226	1204	1117	1076	818	935	1387	1271	1161	1100	765	619	789
	Rosethorn	811	749	881	501	602	1014	803	568	891	879	1011	858	657	607	691
	Scott	448	481	514	539	481	580	803	568	442	542	591	570	482	480	545
	Swift Current	2204	2211	1638	1957	1518	2103	1416	1905	1671	2382	2059	2059	1721	1166	1841
2002	Assinibola	600	1610	1166	1325	1263	1587	1073	2277	1911	1506	1692	849	865	232	1680
	Gulfin	585	829	424	455	667	810	538	460	787	679	685	694	880	568	624
	SPG	823	854	1148	889	764	849	887	1068	898	970	1010	878	941	555	624
	Mean of 13 sites	1187	1263	1151	1199	1207	1338	928	1224	1182	1280	1289	1181	1083	812	1205
% CDC Milestone	100	106	97	101	102	113	78	78	103	100	108	109	99	91	68	102
% Crimson							114	108	141	138	147	148	136			
% Vantage							100	111	110							
% Pardina															100	148

Note: Medium green lines were in Coop Trial 'B' in 2001

U.S. DEPARTMENT OF AGRICULTURE
 AGRICULTURAL MARKETING SERVICE

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). The information is held confidential until the certificate is issued (7 U.S.C. 2426).

EXHIBIT E
STATEMENT OF THE BASIS OF OWNERSHIP

1. NAME OF APPLICANT(S) Cereal Research Centre University of Saskatchewan	2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER 1254S-1	3. VARIETY NAME CDC Redberry
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP, and Country) 51 Campus Drive Saskatoon, SK S7N 5A8	5. TELEPHONE (include area code) (306) 966-8195	6. FAX (include area code) (306) 966-5015
7. PVPO NUMBER 200500302		

8. Does the applicant own all rights to the variety? Mark an "X" in the appropriate block. If no, please explain. YES NO

9. Is the applicant (individual or company) a U.S. national or a U.S. based company? If no, give name of country. YES NO
 Canada

10. Is the applicant the original owner? YES NO If no, please answer one of the following:

a. If the original rights to variety were owned by individual(s), is (are) the original owner(s) a U.S. National(s)? YES NO If no, give name of country

b. If the original rights to variety were owned by a company(ies), is (are) the original owner(s) a U.S. based company? YES NO If no, give name of country
 Canada

11. Additional explanation on ownership (Trace ownership from original breeder to current owner. Use the reverse for extra space if needed):

PLEASE NOTE:

Plant variety protection can only be afforded to the owners (not licensees) who meet the following criteria:

1. If the rights to the variety are owned by the original breeder, that person must be a U.S. national, national of a UPOV member country, or national of a country which affords similar protection to nationals of the U.S. for the same genus and species.
2. If the rights to the variety are owned by the company which employed the original breeder(s), the company must be U.S. based, owned by nationals of a UPOV member country, or owned by nationals of a country which affords similar protection to nationals of the U.S. for the same genus and species.
3. If the applicant is an owner who is not the original owner, both the original owner and the applicant must meet one of the above criteria.

The original breeder/owner may be the individual or company who directed the final breeding. See Section 41(a)(2) of the Plant Variety Protection Act for definitions.

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 0.1 hour per response, including the time for reviewing the instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

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