THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

Kansas Agricultural Experiment Station

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 HEREBETO 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 REPLACEMENT 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 STORING 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 (1) SHALL BE SOLD BY VARIETY NAME ONLY AS A CERTIFIED SEED AND (2) SHALL CONFORM TO THE NUMBER OF GENERATIONS SPECIFIED BY THE OWNER OF THE VARIETY (28 U.S.C. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

RAPE

'Plainsman'

In Testimonia Verborum, 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 twentieth day of September, in the year two thousand two.

[Signature]

Commissioner

[Signature]

Secretary of Agriculture

Plant Variety Protection Office

Agricultural Marketing Service
APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

1. NAME OF OWNER

Kansas Agricultural Experiment Station

4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code, and Country)

Waters Hall
Kansas State University
Manhattan KS 66506

7. IF THE OWNER NAMED IS NOT A "PERSON," GIVE FORM OF ORGANIZATION (corporation, partnership, association, etc.)

University

10. NAME AND ADDRESS OF OWNER REPRESENTATIVE(S) TO SERVE IN THIS APPLICATION. (First person listed will receive all papers)

Vernon A. Schaffer
Agronomy Department
Kansas State University
2004 Throckmorton Hall
Manhattan KS 66506

11. TELEPHONE (include area code)

785-532-6115

12. FAX (include area code)

785-532-6094

13. E-MAIL

vschaffe@oz.oznet.ksu.edu

14. CROP KIND (Common Name)

Rapeseed

15. GENUS AND SPECIES NAME OF CROP

Brassica napus

16. FAMILY NAME (Botanical)

Cruciferae

18. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED (Follow instructions on reverse)

a. Exhibit A. Origin and Breeding History of the Variety
b. Exhibit B. Statement of Distinctness
c. Exhibit C. Objective Description of Variety
d. Exhibit D. Additional Description of the Variety (Optional)
e. Exhibit E. Statement of the Basis of the Owner’s Ownership
f. 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. Filing and Examination Fee ($2,450), made payable to “Treasurer of the United States” (Mail to the Plant Variety Protection Office)

19. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE SOLD AS A CLASS OF CERTIFIED SEED? (See Section 82(a) of the Plant Variety Protection Act)

YES (if "yes," answer items 20 and 21 below)

NO (if "no," go to item 22)

20. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED TO NUMBER OF GENERATIONS?

YES

NO

21. IF "YES" TO ITEM 20, WHICH CLASSES OF PRODUCTION BEYOND BREEDER SEED?

FOUNDATION

REGISTERED

CERTIFIED

23. IS THE VARIETY OR ANY COMPONENT OF THE VARIETY PROTECTED BY INTELLECTUAL PROPERTY RIGHT (PLANT BREEDER’S RIGHT OR PATENT)?

YES

NO

24. The undersigned owner(s) is/are the owner(s) of the variety and agree to protect the variety under the provisions of Section 42 of the Plant Variety Protection Act, 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

Dr. George Ham

SIGNATURE OF OWNER

NAME (Please print or type)

CAPACITY OR TITLE

Assoc Director, Agric.

Experiment Station

DATE

1/25/99

DATE

1/25/99

41-470 (6-98) designed by the Plant Variety Protection Office with WordPerfect 6.0a. Replaces STD-470 (03-96) which is obsolete.
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 $2,450 ($300 filing fee and $2,150 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 more than 90 days, then returned to the applicant as unfiled. Mail application and other requirements to Plant Variety Protection Office, AMS, USDA, Room 500, 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 $300 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

ITEM

18a. 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.

18b. 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.

18c. 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.

18d. 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.

18e. 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.

19. 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.)

22. See Sections 41, 42, and 43 of the Act and Section 97.5 of the regulations for eligibility requirements.

23. See Section 5.5 of the Act for instructions on claiming the benefit of an earlier filing date.

22. 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.)

During September 1998 in the US sold to commercial grain producers.

23. 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. There is no charge for filing a change of address. The fee for filing a change of 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.)

To avoid conflict with other variety names in use, the applicant must check the variety names proposed by contacting: Seed Branch, AMS, USDA, Room 213, Building 306, Beltsville Agricultural Research Center—East, Beltsville, MD 20705. Telephone: (301) 504-8089.

Public reporting burden for this collection of information is estimated to average 30 minutes 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. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Agriculture, Clearance Officer, ORM, AG Box 7630, Jamie L. Whitten Building, Washington, D.C. 20250. When making, refer to OMB No. 0581-0055 and file number in your letter. Under the PRA of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

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SAT-470 (6-98) designed by the Plant Variety Protection Office with WordPerfect 6.0a. Replaces STD-470 (03-96) which is obsolete.
Plainsman, PVP Application
Exhibit A: Origin and Breeding and History of the Variety

Plainsman (Experimental Design KS3505) was selected from the cross WRER 12/Bienvenu.

WRER 12 seed is low in erucic acid and in glucosinolates and was selected in the F₅ generation from the cross Indore/Zipal/Liraglu. This cross was made in 1987 at the Idaho Agricultural Experiment Station at Moscow, Idaho.

An F₅ bulk population was received by the Kansas Agricultural Experiment Station at Colby, Kansas in 1990. Single plant selections were advanced, open pollinated, in the vicinity of sister lines for 2 years at Colby and 1 year at Manhattan, Kansas. Selection criteria were based on visual observations of agronomic characteristics, reduced winter injury, and low glucosinolate content determined by the Tes-tape method. Subsequent single plant selections were made to isolate low erucic acid, and increases were made in isolation in the greenhouse and in the field.

Breeder seed of Plainsman was increased for 18 single plants selected on the basis of oil and meal quality in the F₆ generation.

Plainsman is uniform. Variants can occur at a frequency of less than 1 in 500. Variants included taller plants (greater than 6 inches) and/or plants with a later maturity.

Plainsman is stable when sexually reproduced, the variety remains unchanged in its essential and distinctive characteristics.
Statement of Distinctness

‘Plainsman’ is most similar to ‘Ceres’. Plainman is more winter hardy than ‘Ceres’ (Table 1). ‘Plainsman’ is taller than ‘Ceres’ (Table 1). ‘Plainsman’ is later to 50% bloom than ‘Ceres’ (Table 1).
OBJECTIVE DESCRIPTION OF VARIETY
RAPESEED (Brassica napus and B. campestris)

DIRECTIONS: Select the number which characterizes the variety in the features above. Those characteristics marked with an asterisk * should be recorded. Any others should be recorded if possible to help establish novelty or uniqueness. Characteristics described, including numerical measurements, should represent those that are typical for the variety. Give test area _______ conditions ________.

Name of Applicant(s)  Temporary Designation  Variety Name

Kansas Agricultural Experiment Station  KS 3505  Plainsman

Address (Street and No., or R.F.D. No., City, State, & ZIP Code)

Waters Hall
Kansas State University
Manhattan KS 66506

1. SPECIES:

* X__ Brassica napus  ___ Brassica campestris

2. TYPE:

* ___Spring  X__ Winter

3. PLANT HEIGHT (at pod maturity):

1. 1.9.2 cm Tall (compare to standard variety below)

__ __ cm shorter than Check variety: _________

Height same as Check variety: _________

7.8 cm taller than Check variety: Ceres

*Height Class: 5

1 = Autumn sown  ___ Spring sown
2 = Medium short ( )  1 = Short (Erglu)
3 = Medium (Jet Neuf)  2 = Medium short ( )
4 = Medium tall ( )  3 = Medium (Cresus)
5 = Tall (Dwarf Essex)  4 = Medium tall ( )
5 = Tall (Petranova)

4. STEM ANTHOCYANIN:

2 1 = Absent 2 = Weak 3 = Medium 4 = Strong
5. SEED COTYLEDONS (Maximum width fully developed; mean of 50 graded seeds):

2
1 = Narrow (Erglu) 2 = Medium (Primor) 3 = Broad (Expander)

6. SEEDLING GROWTH HABIT (leaf rosette):

2
1 = Upright 2 = Prostrate (short photoperiod)

7. LEAVES:

• 2 Margins (serration): 1 = Absent or very weak (Akela) 2 = Weak (Arvor, Jet Neuf) 3 = Medium (Primor) 4 = Strong (Candle, Kentan)

• 3 Lobing (fully developed leaf on plant or rosette):
  1 = Absent or very weak (Akela) 2 = Weak (Arvor) 3 = Medium (Primor) 4 = Medium strong (Argus) 5 = Strong (Kentan)

• 2 Leaf Attachment to stem: 1 = Fully clasping (Candle) 2 = Partial clasping (Jet Neuf) 3 = No clasping ( )

• 3 Color: 1 = Light green (Arvor) 2 = Medium green (Primor) 3 = Medium dark green (Oro) 4 = Dark green (Brunowski, Rapora)

• 5 Glaucosity: 1 = Absent 2 = Weak (Span) 3 = Weak to medium (Gulliver) 4 = Medium (Magnus) 5 = Medium to strong (Oro) 6 = Strong

8. FLOWERS:

• 1 Flower Buds Location:
  1 = Buds at tip of apical meristem (Jet Neuf) 2 = Buds immediately below apical meristem (Candle)

• 2 Petal color: 1 = Pale yellow ( ) 2 = Yellow (Jet Neuf, Primor) 3 = Orange ( ) 4 = White ( )

• Anther dotting (at opening of flower; give percentage: %)
  1 = Absent ( ) 2 = Few ( ) 3 = Medium (Primor) 4 = Many ( )

• 5 Flowering class (Autumn sown):
  1 = Very early (Arvor) 2 = Early (Primor) 3 = Medium early ( ) 4 = Medium late ( ) 5 = Late (Marcus) 6 = Very late ( )

Flowering class (Spring sown):
  1 = Very early (Tower) 2 = Early (Kosa) 3 = Medium early ( ) 4 = Medium late ( ) 5 = Late (Petranova) 6 = Very late ( )

9. PODS (Silique):

• 1 Pod type: 1 = Bilateral single pod (Jet Neuf) 2 = Other ( )

• 2 Silique beak length: 1 = Short (Forto) 2 = Medium (Liragold) 3 = Long (Rapol)

• 3 Pod length: (give length: 7.9 3 mm) 1 = Short ( ) 2 = Medium ( ) 3 = Long ( )
9. PODS (Silique): (continued)

- **2** Pod width: (give width: 4.76 mm)  
  1 = Narrow ( )  
  2 = Medium ( )  
  3 = Wide ( )

- **2** Pod habit:  
  1 = Erect (Gulliver)  
  4 = Horizontal to semi-erect (Brink)  
  2 = Semi-erect to erect (Oro)  
  5 = Horizontal

- **3** Pedicel length:  
  1 = Very short ( )  
  2 = Short ( )  
  3 = Long ( )

- **4** Ripening Class (Autumn sown):  
  1 = Very early ( )  
  4 = Late ( )  
  2 = Early ( )  
  5 = Very late ( )  
  3 = Medium ( )

- **170** days to maturity:

- **1** days earlier than Check variety: Casino

- maturity same as Check variety: Jetton

- **1.5** days later than Check variety: Ceres

10. SEEDS:

- **3.38** g/1000 unsized seed:

- **0.12** g less than Check variety: Cascade

- weight same as Check variety:

- **0.31** g more than Check variety: Ceres

- **2** Weight Class (grams)  
  1 = less than 3.0 (Candle)  
  3 = 4.0 - 5.0 (Jet Neuf)  
  2 = 3.0 - 3.9 ( )  
  4 = more than 5.0 ( )

- **1** Seeds Per Pod: (give number: 15.5 per pod)  
  1 = Low ( )  
  2 = Medium ( )  
  3 = High ( )

- **1** Testa Color:  
  1 = Black (Jet Neuf)  
  3 = Yellow (Yellow Sarson)  
  2 = Red ( )  
  4 = Dark brown to black ( )  
  5 = reddish-brown to black ( )  
  6 = Other

11. CHEMICAL COMPOSITION OF SEED:

- **1** Erucic Acid:  
  1 = Low (less than 2%)  
  2 = Intermediate  
  3 = High (more than 50%)

- **1** Glucosinate Content: (give: 18.9 millimoles/g, ___ mg/g)  
  1 = Low - Less than 30 millimol/g (Candle)  
  2 = High - More than 30 millimol/g (Mikado)

- **37.9** % Oil

- **___** % Protein (oil free meal)

Fatty Acid Composition (%):

<table>
<thead>
<tr>
<th>Palmitic</th>
<th>Stearic</th>
<th>Oleic</th>
<th>Linoleic</th>
<th>Linolenic</th>
<th>Eicosenoic</th>
<th>Erucic</th>
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</thead>
<tbody>
<tr>
<td>16:0</td>
<td>18:0</td>
<td>18:1</td>
<td>18.2</td>
<td>18:3</td>
<td>20:1</td>
<td>22:1</td>
</tr>
</tbody>
</table>

- **4:1**  
- **63.0**  
- **20.4**  
- **7.8**   
- **1.1**   
- **0.1**
12. FROST TOLERANCE (Late spring frosts):
   - Tolerance: 4 = Not hardy - susceptible (Indore)
                 3 = Moderately resistant ( )
                 2 = Moderately susceptible ( )
                 1 = Hardy (Bridger)

13. LODGING RESISTANCE:
   - Resistance: 3 = Weak (Span)
                 2 = Moderately weak (Olga)
                 1 = Strong (Torpe)
                 4 = Moderately strong ( )

14. HERBICIDE RESISTANCE:
   - Atrazine:
     1 = Susceptible (Jet Neuf)
     2 = Resistant ( )
   - Other:
     1 = Susceptible
     2 = Resistant

15. DISEASE RESISTANCE:
   - 0 = Not tested
   - 1 = Susceptible
   - 2 = Low resistance
   - 3 = Moderate resistance
   - 4 = High resistance
   - Sclerotinia Stem Rot (*Sclerotinia sclerotiorum*)
   - Black Leg, Stem Canker (*Leptosphaeria maculans, Plenodomus lingum*)
     (*Phoma lingam*)
   - White Rust (*Albugo candida, A. cruciferrrarum*)
   - Light Leaf Spot (*Pyrenopeziza brassicae*)
   - Downy Mildew (*Peronospora parasitica*)
   - Rhizoctonia Root Rot (*Rhizoctonia solani*)
   - Alternaria Black Spot (*Alternaria brassicicola*)
   - Other

16. COMMENTS: Please give any additional comments which characterize the variety.
Plainsman, PVP Application
Exhibit D: Additional Description of the Variety

Plainsman is similar to Ceres for 50% bloom date (112 days after January 1) and reaches maturity 1.7 days later than Ceres (170 days after January 1). Plainsman is 120 cm tall (8 cm taller than Ceres), and above average for total oil with 360 gm/kg (3 gm/kg less than Ceres). Plainsman has average resistance to shattering and better than average tolerance to lodging. Test weights were 588 kg/m² (2 kg/m² greater than Ceres). Plainsman has not been challenged by white mold [caused by Sclerotinia sclerotiorum (Lib) de Bary]. Plainsman’s response to virulent blackleg [caused by Leptosphaeria maculans (Desmaz.) Ces. and De Not.] is similar to that of Falcon, which is considered tolerant.

<table>
<thead>
<tr>
<th></th>
<th>Winter Survival 1/</th>
<th>Winter Survival 2/</th>
<th>Plant Height 3/</th>
<th>50% Bloom 4/</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>%</td>
<td>%</td>
<td>cm</td>
<td>date</td>
</tr>
<tr>
<td>Bridger</td>
<td>78.3</td>
<td>66.6</td>
<td>117.8</td>
<td>4/10 e</td>
</tr>
<tr>
<td>Casino</td>
<td>81.6 *</td>
<td>70.4</td>
<td>128.3</td>
<td>4/16</td>
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<tr>
<td>Ceres</td>
<td>76.6</td>
<td>63.9</td>
<td>120.9</td>
<td>4/15</td>
</tr>
<tr>
<td>Falcon</td>
<td>70.8</td>
<td>56.8</td>
<td>117.5</td>
<td>4/16</td>
</tr>
<tr>
<td>Jetton</td>
<td>75.1</td>
<td>60.1</td>
<td>112.4 s</td>
<td>4/13</td>
</tr>
<tr>
<td>Plainsman</td>
<td>82.0 *</td>
<td>72.3 *</td>
<td>130.3 t</td>
<td>4/17 l</td>
</tr>
<tr>
<td>Wichita</td>
<td>82.9 *</td>
<td>73.7 *</td>
<td>120.3</td>
<td>4/13</td>
</tr>
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<td>Winfield</td>
<td>78.0</td>
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<td>115.0</td>
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</tr>
<tr>
<td>Mean</td>
<td>78.2</td>
<td>66.4</td>
<td>121.7</td>
<td>4/14</td>
</tr>
<tr>
<td>LSD (0.05)</td>
<td>1.4</td>
<td>2.1</td>
<td>1.4</td>
<td>0.4</td>
</tr>
</tbody>
</table>

* Upper LSD Group – Differences among those marked with an asterisk are not statistically significant.

1/ Data represents results from 117 locations, 40 of which had 100% survival.
2/ Data represents results from the 77 locations where differential winterkill was observed.
3/ Values marked "s" are not statistically different from the shortest value; and those marked "t" are not different from the tallest value.
4/ Values marked "e" are not statistically different from the earliest value; and those marked "l" are not different from the latest value.
Figure 1. Relative Winter Survival (compared to the check cultivars of Bridger, Ceres, Plainsman, and Wichita) of Eight Winter Rapeseed lines at 117 locations between 1995-2000. LSD (0.05) = 1.39.

Figure 2. Relative Winter Survival (compared to the check cultivars of Bridger, Ceres, Plainsman, and Wichita) of Eight Winter Rapeseed lines at the 77 locations between 1995-2000 where differential winterkill was observed. LSD (0.05) = 2.14.
Figure 3. Relative Plant Height (compared to the check cultivars of Bridger, Ceres, Plainsman, and Wichita) of Eight Winter Rapeseed lines at 86 locations between 1995-2000. LSD (0.05) = 1.39.

Figure 4. Relative Bloom Date (compared to the check cultivars of Bridger, Ceres, Plainsman, and Wichita) of Eight Winter Rapeseed lines at 81 locations between 1995-2000. LSD (0.05) = 0.351.
STATEMENT OF THE BASIS OF OWNERSHIP

<table>
<thead>
<tr>
<th>1. NAME OF APPLICANT(S)</th>
<th>2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER</th>
<th>3. VARIETY NAME</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kansas Agricultural Experiment Station</td>
<td>KS 3505</td>
<td>Plainsman</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP, and Country)</th>
<th>5. TELEPHONE (Include area code)</th>
<th>6. FAX (Include area code)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Waters Hall&lt;br&gt;Kansas State University&lt;br&gt;Manhattan KS 66506</td>
<td>785-532-6147</td>
<td>785-532-6563</td>
</tr>
</tbody>
</table>

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

9. Is the applicant (individual or company) a U.S. national or U.S. based company? [X] YES [ ] NO

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

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

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

11. Additional explanation on ownership (if needed, use reverse for extra space):

PLEASE NOTE:

Plant variety protection can be afforded only to owners (not licensees) who meet one of 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 final breeding. See Section 41(a)(2) of the Plant Variety Protection Act for definition.

According to the Paperwork Reduction Act of 1995, no persons are 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 10 minutes 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.

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