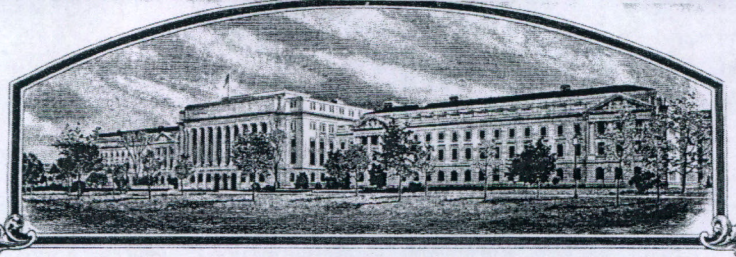


No. 201600306

THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

University of Idaho

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 (1) SHALL BE SOLD BY VARIETY NAME ONLY AS A CLASS OF CERTIFIED SEED AND (2) SHALL CONFORM TO THE NUMBER OF GENERATIONS SPECIFIED BY THE OWNER OF THE RIGHTS. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

COMMON WHEAT

'UI Palouse'

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 twenty-eighth day of December, in the year* ***two thousand and .***

Attest:

Acting Commissioner
Plant Variety Protection Office
Agricultural Marketing Service

Secretary of Agriculture

REPRODUCE LOCALLY. *Include form number and date on all reproductions*

Form Approved - OMB No. 0581-0055

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

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

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. 2426).

1. NAME OF OWNER	2. TEMPORARY DESIGNATION OR EXPERIMENTAL NAME	3. VARIETY NAME
University of Idaho	3_5_10	UI Palouse

4. ADDRESS *(Street and No., or R.F.D. No., City, State, and ZIP Code, and Country)*	5. TELEPHONE *(include area code)*	FOR OFFICIAL USE ONLY
University of Idaho 875 Perimeter Dr., MS3003 Moscow, ID 83844-3003	(208) 885 4550 6. FAX *(include area code)* (208) 885 4551	PVPO NUMBER 201600306 FILING DATE 7/7/2016

7. IF THE OWNER NAMED IS NOT A "PERSON", GIVE FORM OF ORGANIZATION *(corporation, partnership, association, etc.)*	8. IF INCORPORATED, GIVE STATE OF INCORPORATION	9. DATE OF INCORPORATION
University of Idaho	Idaho	N/A

10. NAME AND ADDRESS OF OWNER REPRESENTATIVE(S) TO SERVE IN THIS APPLICATION. *(First person listed will receive all papers)*	11. TELEPHONE (Include area code)	FEES RECD	FILING AND EXAMINATION FEES:
Karen A Stevenson Office of Technology Transfer University of Idaho 875 Perimeter Dr., MS3003 Moscow, ID 83844-3003	(208) 885 4550 12. FAX (Include area code) (208) 885 4551		$ 4,382 DATE 7/7/16 CERTIFICATION FEE: $ DATE

13. E-MAIL
karens@uidaho.edu

14. CROP KIND *(Common Name)*	15. GENUS AND SPECIES NAME OF CROP	16. FAMILY NAME *(Botanical)*
common wheat	Triticum aestivum L.	Gramineae

17. IS THE VARIETY A FIRST GENERATION HYBRID?	18. DOES THE VARIETY CONTAIN ANY TRANSGENES? (OPTIONAL)	20. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE SOLD ONLY AS A CLASS OF CERTIFIED SEED? *(See Section 83(a) of the Plant Variety Protection Act)*
☐ YES ■ NO	☐ YES ■ NO IF YES, PLEASE GIVE THE ASSIGNED USDA-APHIS REFERENCE NUMBER FOR THE APPROVED PETITION TO DEREGULATE THE GENETICALLY MODIFIED PLANT FOR COMMERCIALIZATION.	■ YES *(If "yes", answer items 21 and 22 below)* ☐ NO *(If "no", go to item 23)* ☐ UNDECIDED

19. 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. ■ Filing and Examination Fee ($4,382), make checks payable to "Treasurer of the United States" *(Mail to the Plant Variety Protection Office)* other methods of payment explained in the instructions

21. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF CLASSES?
■ YES ☐ NO
IF YES, WHICH CLASSES? ■ FOUNDATION ■ REGISTERED ■ CERTIFIED

22. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS?
☐ YES ☐ NO
IF YES, SPECIFY THE NUMBER 1,2,3, etc. FOR EACH CLASS.
___ FOUNDATION ___ REGISTERED ___ 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?
■ YES ☐ 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)*?
■ YES ☐ NO
IF YES, PLEASE GIVE COUNTRY, DATE OF FILING OR ISSUANCE AND ASSIGNED REFERENCE NUMBER. *(Please use space indicated on reverse.)*

25. The owners declare that a viable sample of basic seed will be furnished directly to an acceptable depository in support of the variety within three months of filing. Seed will be replenished upon request in accordance with such regulations as may be applicable. For a tuber propagated variety or vegetative propagated parent of the variety, a tissue culture or vegetative sample will be deposited in a public repository within three months of the date of the certificate fee request letter. These will be maintained for the duration of the certificate."
The undersigned owner(s) is (are) the owner(s) 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	
Karen A Stevenson			
NAME *(Please print or type)*		NAME *(Please print or type)*	
Karen A Stevenson			
CAPACITY OR TITLE	DATE	CAPACITY OR TITLE	DATE
Licensing Associate	7/7/2016		

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

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.)*

First sale date was September, 2015

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).)*

US utility application: 13/366,932
filed: 2012-02-06
priority date: 2001-08-09
title: Wheat Plants Having Increased Resistance to Imidazolinone Herbicides

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

EXHIBIT A – ORIGIN AND BREEDING HISTORY
** Use additional pages as needed.

FOR OFFICIAL USE ONLY
PVPO NUMBER

1. Name of Owner	2. Temporary Designation or Experimental Name	3. Variety Name
University of Idaho	3_5_10	UI Palouse

4. Describe the genealogy (back to and including public and commercial varieties, lines, or clones used) and the breeding method(s). **

UI Palouse is derived from the cross UICF BRUNDAGE*2//02-832-2*2/N91D
Where
UICF BRUNDAGE is a Released line from university of Idaho (PVP 201100031) with the pedigree
Madsen*4/FS4/2* Brundage/3*Brundage 96
02-832-2 is a sister line of UICF BRUNDAGE sharing the same pedigree.
N91D is an experimental line used as a donor of the second IMI resistance gene
UI Palouse has then been selected using a modified pedigree selection method.

5. Give the details of subsequent stages of selection and multiplication. **

Year	Detail of Stage	Selection Criteria
2006-2007	Cross	
2007-2008	F1 Grown in Green house	
2008-2009	Individual F2 Plants grown in Green house	Herbicide Resistance (spray and molecular markers)
2009-2010	F3	Herbicide Resistance, Earliness and disease resistance
2010-2011	F4 Head Row	Earliness, Height, Disease & Herbicide resistance, Vigor
2011-2012	Single plot	Earliness, Height, Disease & Herbicide resistance, Vigor
2012-2013	Multilocal (3), Multi treatment (3), replicated (3) trials	Yield, Agronomy, Quality Disease & Herbicide resistance
2013-2014	Multilocal (10), Multi treatment (3), replicated (3)trials	Yield, Agronomy, Quality Disease & Herbicide resistance
2014-2015	Multilocal (10), Multi treatment (3), replicated (3)trials	Yield, Agronomy, Quality Disease & Herbicide resistance
2014-2015	State Variety trials Idaho and Oregon	Yield, Agronomy, Disease Resistance & Regional Adaptation

6. Is the variety uniform? ✓ Yes ____ No

How did you test for uniformity?

In 2013 2200 selected head were harvested from plots in Idaho and grown in Arizona in 2013-2014. The selected Head Rows were bulked together to create Breeder's seed. In 2014-2015 Breeder seeds were grown in Washington and purity was assessed.

7. Is the variety stable? ✓ Yes ____ No

How did you test for stability? Over how many generations?

The stability of UI Palouse was tested by comparing the variety within 3 successive generations, from the plots grown in 2012-2013 to the head rows and plots in 2013-2014 and finally the Breeder seeds and plots in 2014-2015.

8. Are genetic variants observed or expected during reproduction and multiplication? ✓ Yes ____ No

If yes, state how these variants may be identified, their type and frequency.

UI Palouse may contain up to 1 per 1000 of Blue Green color plants, up to 1 per 1000 awned plants, and up to 1 per 1000 taller plants, up to 8" above the canopy height and up to 0.75% Red Seed.

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

EXHIBIT B – STATEMENT OF DISTINCTNESS

***** Use additional tables to present clear differences for additional comparison varieties. Use additional pages to present supporting evidence.***

FOR OFFICIAL USE ONLY
PVPO NUMBER

1. Name of Owner	2. Temporary Designation or Experimental Name	3. Variety Name
University of Idaho	3_5_10	UI Palouse

Based on overall morphology, UI Palouse (*Applicant's new variety*) is most similar to Brundage 96 (*Most similar comparison variety(ies)*). UI Palouse (*Applicant's new variety*) most clearly differs from Brundage 96 (*Most similar comparison variety(ies)*) in the following traits Name the specific trait. Then list the value of that trait for each variety in the comparison. Submit appropriate supporting evidence (see the Guidelines for Presenting Evidence in Support of Variety Distinctness in the instructions):

	Eg. Leaf Pubescence *Eg. Leaf Color* *Eg. Plant Height*	*heavy pubescence* *Dark Green (5GY 3/4)* *200 cm +/- 10 cm (N=25)*	*glabrous* *Light Green (2.5GY 8/10)* *250 cm +/- 15 cm (N=25)*	*photograph attached* *Munsell Color Chart* *statistics attached*
	1. Qualitative traits:	**2. Color traits:**	**3. Quantitative traits:**	**4. Other traits:**
Application Variety	UI Palouse Flag Leaf (boot Stage) : Wax Absent Glume Beak : Acute			Imidazolinone Herbicide : Tolerant
Comparison Variety 1	Brundage 96 Flag Leaf (boot Stage) : Wax Present Glume Beak : Obtuse			Imidazolinone Herbicide : Susceptible
Comparison Variety 2				
Comparison Variety 3				

***** Use additional tables to present clear differences for additional comparison varieties. Use additional pages to present supporting evidence.***

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE AND TECHNOLOGY
PLANT VARIETY PROTECTION OFFICE
BELTSVILLE, MD 20705

Exhibit C

OBJECTIVE DESCRIPTION OF VARIETY
Wheat (*Triticum* spp.)

NAME OF APPLICANT (S)	TEMPORARY OR EXPERIMENTAL DESIGNATION	VARIETY NAME
~~Idaho Agricultural Experiment Station~~ University of Idaho	UI 3-5-10	UI Palouse

ADDRESS *(Street and No. or RD No., City, State, Zip Code and Country)*

875 Perimeter Drive MS 2337
Moscow, Idaho 83844-2337

FOR OFFICIAL USE ONLY

PVPO NUMBER

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., 0 9 9 or 0 9) when number is either 99 or less or 9 or less respectively. Data for quantitative plant characters should be based on a minimum of 100 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. KIND: 1

1 = Common
2 = Durum
3 = Club
4 = Other (Specify) _____

2. VERNALIZATION: 2

1 = Spring
2 = Winter
3 = Other (Specify) _____

1a. COMMON WHEAT MARKET CLASSES:

- ☐ HRW (Hard Red Winter)
- ☐ HRS (Hard Red Spring)
- ☐ HW (Hard White)
- ☐ SRW (Soft Red Winter)
- ☑ SW (Soft White)

3. COLEOPTILE ANTHOCYANIN: 1

1 = Absent 2 = Present

4. JUVENILE PLANT GROWTH: 2

1 = Prostrate 2 = Semi-Erect 3 = Erect

5. PLANT COLOR: (boot stage) 2

1 = Yellow-Green
2 = Green
3 = Blue-Green

6. FLAG LEAF: (boot stage)

1 1 = Erect 2 = Recurved
2 1 = Not Twisted 2 = Twisted
2 1 = Wax Absent 2 = Wax Present

7. EAR EMERGENCE:

150 Number of Days (Average)

1 Number of Days Earlier Than * BOBTAIL

Same As * BRUNEAU

7 Number of Days Later Than * LCS ARTDECO

**Relative to a PVPO-Approved Commercial Variety Grown in the Same Trial*

8. ANTHER COLOR: 1 1 = Yellow 2 = Purple

9. PLANT HEIGHT: (from soil to top of head, excluding awns)

85 cm (Average)

10 cm Taller Than LCS ARTDECO *

Same As BOBTAIL *

5 cm Shorter Than BRUNEAU *

10. STEM:

A. ANTHOCYANIN 1 1 = Absent 2 = Present

B. WAXY BLOOM 1 1 = Absent 2 = Present

C. HAIRINESS (last internode of rachis) 1 1 = Absent 2 = Present

D. INTERNODE 1 1 = Hollow 2 = Semi-Solid 3 = Solid

4 Number of Nodes

E. PEDUNCLE 1 1 = Erect 2 = Recurved 3 = Semi-Erect

9 cm Length

F. AURICLE

1 Anthocyanin: 1 = Absent 2 = Present

2 Hair: 1 = Absent 2 = Present

11. HEAD: (At Maturity)

A. DENSITY 3

1 = Lax
2 = Middense (Laxidense)
3 = Dense

B. SHAPE 2

1 = Tapering
2 = Strap
3 = Clavate
4 = Other (Specify) _____

C. CURVATURE 1

1 = Erect
2 = Inclined
3 = Recurved

D. AWNEDNESS 1

1 = Awnless
2 = Apically Awnletted
3 = Awnletted
4 = Awned

12. GLUMES: (At Maturity)

A. COLOR 1

1 = White
2 = Tan
3 = Other (Specify) _____

B. SHOULDER 2

1 = Wanting 2 = Oblique
3 = Rounded 4 = Square
5 = Elevated 6 = Apiculate
7 = Other (Specify) _____

C. SHOULDER WIDTH 2

1 = Narrow
2 = Medium
3 = Wide

D. BEAK 2

1 = Obtuse
2 = Acute
3 = Acuminate

E. BEAK WIDTH 2

1 = Narrow
2 = Medium
3 = Wide

F. GLUME LENGTH 3

1 = Short (ca. 7 mm)
2 = Medium (ca. 8 mm)
3 = Long (ca. 9 mm)

G. WIDTH 3

1 = Narrow (ca. 3 mm)
2 = Medium (ca. 3.5 mm)
3 = Wide (ca. 4 mm)

H. PUBESCENCE 1

1 = Not Present
2 = Present

13. SEED:

A. SHAPE 1 1 = Ovate 2 = Oval 3 = Elliptical

B. CHEEK 1 1 = Rounded 2 = Angular

C. BRUSH

1 1 = Short
2 = Medium
3 = Long

2 1 = Not Collared
2 = Collared

D. CREASE

2 1 = Width 60% or less of Kernel
2 = Width 80% or less of Kernel
3 = Width Nearly as Wide as Kernel

2 1 = Depth 20% or less of Kernel
2 = Depth 35% or less of Kernel
3 = Depth 50% or less of Kernel

E. COLOR 1 1 = White 2 = Amber 3 = Red
4 = Other (Specify) _____

F. TEXTURE 2 1 = Hard 2 = Soft 3 = Other (Specify) _____

G. PHENOL REACTION (See Instructions) _____

1 = Ivory
2 = Fawn
3 = Light Brown
4 = Dark Brown
5 = Black

H. SEED WEIGHT

_____g/1000 Seed (whole number only)

I. GERM SIZE 2

1 = Small
2 = Midsize
3 = Large

14. DISEASE: PLEASE INDICATE THE SPECIFIC RACE OR STRAIN TESTED (0 = Not Tested 1 = Susceptible 2 = Resistant 3 = Intermediate 4 = Tolerant)

0	Stem Rust (*Puccinia graminis* f. sp. *tritici*)	Race: _____
0	Leaf Rust (*Puccinia recondita* f. sp. *tritici*)	Race: _____
0	Stripe Rust (*Puccinia striiformis*)	Race: _____
0	Loose Smut (*Ustilago tritici*)	Race: _____
0	Powdery Mildew (*Erysiphe graminis* f. sp. *tritici*)	Race: _____
0	Common Bunt (*Tilletia tritici* or T. *laevis*)	Race: _____
0	Dwarf Bunt (*Tilletia controversa*)	Race: _____
0	Karnal Bunt (*Tilletia indica*)	Race: _____
0	Flag Smut (*Urocystis agropyri*)	Race: _____
0	Tan Spot (*Pyrenophora tritici-repentis*)	Race: _____
0	Halo Spot (*Selenophoma donacis*)	Race: _____
0	Septoria spp.	Race: _____
0	*Septoria nodorum* (Glume Blotch)	Race: _____
0	*Septoria avenae* (Speckled Leaf Disease)	Race: _____
0	*Septoria tritici* (Speckled Leaf Blotch)	Race: _____
0	Scab (*Fusarium* spp.)	Race: _____
0	"Snow Molds"	Race: _____
0	Kernel Smudge ("Black Point")	Race: _____
0	Common Root Rot (*Fusarium*, *Cochliobolus* and *Bipolaris* spp.)	Race: _____
0	Barley Yellow Dwarf Virus (BYDV)	Race: _____
0	Rhizoctonia Root Rot (*Rhizoctonia solani*)	Race: _____
0	Soilborne Mosaic Virus (SBMV)	Race: _____
0	Black Chaff (*Xanthomonas campestris* pv. *translucens*).	Race: _____

14. **DISEASE**: (continued) (0 = Not Tested 1 = Susceptible 2 = Resistant 3 = Intermediate 4 = Tolerant)

0 ____ Wheat Yellow (Spindle Streak) Mosaic Virus Race: _____

0 ____ Bacterial Leaf Blight (*Pseudomonas syringae* pv. *syringae*) Race: _____

0 ____ Wheat Streak Mosaic Virus (WSMV) Race: _____

0 ____ Other (Specify) _____ Race: _____

0 ____ Other (Specify) _____ Race: _____

0 ____ Other (Specify) _____ Race: _____

0 ____ Other (Specify) _____ Race: _____

15. HOMOZYGOUS FOR SPECIFIC DISEASE RESISTANCE GENE

____ Stem rust _____

____ Leaf rust _____

____ Other _____

16. INSECT: PLEASE SPECIFY BIOTYPE (Where Needed) (0 = Not Tested 1 = Susceptible 2 = Resistant 3 = Intermediate 4 = Tolerant)

0 ____ Stem Sawfly (*Cephus* spp.) (Specify) _____

0 ____ Cereal Leaf Beetle (*Oulema melanopa*) (Specify) _____

0 ____ Russian Aphid 1 (*Diuraphis noxia*) _____

0 ____ Russian Aphid 2 (*Diuraphis noxia*) _____

0 ____ Greenbug (*Schizaphis graminum*) (General) _____

0 ____ Greenbug (*Schizaphis graminum*) Biotype A _____

0 ____ Greenbug (*Schizaphis graminum*) Biotype B _____

0 ____ Greenbug (*Schizaphis graminum*) Biotype C _____

0 ____ Greenbug (*Schizaphis graminum*) Biotype E _____

0 ____ Greenbug (*Schizaphis graminum*) Other (Specify) _____

0 ____ Aphids (Specify) _____

0 ____ Other (Specify) _____

0 ____ Hessian Fly (*Mayetiola destructor*) Biotype A _____

0 ____ Hessian Fly (*Mayetiola destructor*) Biotype B _____

0 ____ Hessian Fly (*Mayetiola destructor*) Biotype C _____

0 ____ Hessian Fly (*Mayetiola destructor*) Biotype D _____

0 ____ Hessian Fly (*Mayetiola destructor*) Biotype E _____

0 ____ Hessian Fly (*Mayetiola destructor*) Biotype F _____

0 ____ Hessian Fly (*Mayetiola destructor*) Biotype G _____

0 ____ Hessian Fly (*Mayetiola destructor*) Biotype GP _____

0 ____ Hessian Fly (*Mayetiola destructor*) Biotype H _____

16. **INSECT:** (continued) (0 = Not Tested 1 = Susceptible 2 = Resistant 3 = Intermediate 4 = Tolerant)

0 Hessian Fly (*Mayetiola destructor*) Biotype I
0 Hessian Fly (*Mayetiola destructor*) Biotype J
0 Hessian Fly (*Mayetiola destructor*) Biotype L
0 Hessian Fly (*Mayetiola destructor*) Biotype M
0 Hessian Fly (*Mayetiola destructor*) Biotype N
0 Hessian Fly (*Mayetiola destructor*) Biotype O
0 Hessian Fly (*Mayetiola destructor*) (Specify)

17. **HIGH MOLECULAR WEIGHT GLUTENIN SUBUNIT PROFILE** (Check those that apply):

Glu-A1	Glu-B1	Glu-D1
☐ 1	☐ 6+8	☐ 2+11
☐ 2*	☐ 7+8	☐ 2+12
☐ null	☐ 7+9	☐ 3+12
☐ 1*	☐ 13+16	☐ 5+10
	☐ 13+19	☐ null
	☐ 17+18	

18. **TRANSLOCATIONS** (1=Present 2=Absent 3=Heterogeneous 4= Not Tested):

4 1BL/1RS 4 1A/1R 4 2NS/2AS 4 4DL/4AgS

19. **IMIDAZOLINONE HERBICIDE TOLERANCE** (1=Present 2=Absent 3=Not Tested):

1 Als-1 1 Als-2 2 Als-3

20. **END USE QUALITY:**

Grain Protein _____
Flour Protein _____
SDS _____
Farniograph _____
Other _____

21. **ADDITIONAL INFORMATION ON ANY ITEM ABOVE OR GENERAL COMMENTS:**

WHEAT DESCRIPTOR ILLUSTRATIONS

Section Numbers Correspond to the Numbers of the Sections on the Form

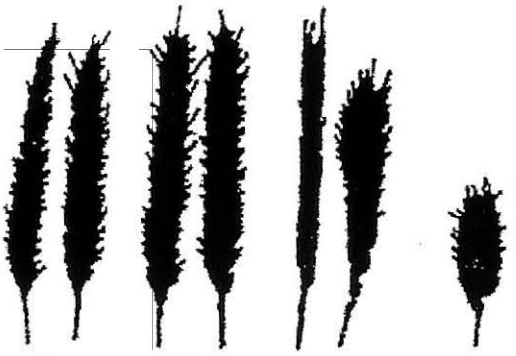
4. EARLY PLANT GROWTH HABIT:

1 Prostrate 2 Intermediate 3 Erect

10. (D.) STEM INTERNODE X-SECTION:

1 Hollow 2 Semi-solid 3 Solid

11. (B.) SPIKE SHAPE:

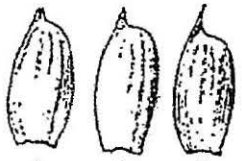


1 Tapering 2 Oblong 3 Clavate 4 Elliptical

11. (D.) AWNEDNESS:

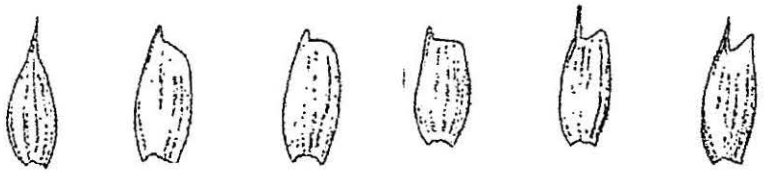
1 Awnless 2 Apically Awnleted 3 Awnleted 4 Awned

12. (D.) BEAK SHAPE:



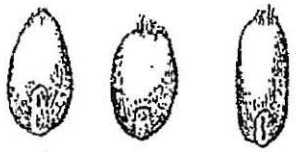
1 Obtuse 2 Acute 3 Acuminate

12. (C.) SHOULDER SHAPE:



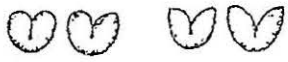
1 Wanting 2 Oblique 3 Rounded 4 Square 5 Elevated 6 Apiculate

13. (A.) SEED SHAPE:



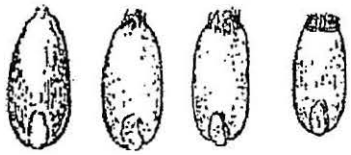
1 Ovate 2 Oval 3 Elliptical

13. (B.) CHEEK SHAPE:



1 Rounded 2 Angular

13. (C.) BRUSH SIZE

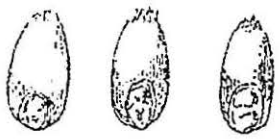


1 Small 2 Midsized 3 Large 4 Collared

13. (C.) BRUSH HAIR LENGTH:

1 Short 2 Medium 3 Long

13. (I.) GERM (EMBRYO) SIZE:



1 Small 2 Midsized 3 Large

13. (D.) SEED CREASE WIDTH:

1 Narrow 2 Mid-wide 3 Wide

13. (D.)SEED CREASE DEPTH:

1 Shallow 2 Mid-Deep 3 Deep

References:

(a) L.W. Briggle and L.P. Reitz. 1963. Classification of Triticum Species and Wheat Varieties Grown in the United States. Technical Bulletin 1278. United States Department of Agriculture.

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

EXHIBIT E - STATEMENT OF THE BASIS OF OWNERSHIP

FOR OFFICIAL USE ONLY
PVPO NUMBER

1. Name of Owner	2. Temporary Designation or Experimental Name	3. Variety Name
University of Idaho	3_5_10	UI Palouse

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

5. Is the applicant a U.S. national or a U.S. based entity? **If no, give name of country.** ☑ **YES** ☐ **NO**

6. 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**

7. 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.