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.)

WHEAT, COMMON

'UI Magic'

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 November, in the year two thousand and sixteen.

Attest:

Commissioner
Plant Variety Protection Office

Secretary of Agriculture
**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)

**1. NAME OF OWNER**  
University of Idaho

**2. TEMPORARY DESIGNATION OR EXPERIMENTAL NAME**  
09-DH11

**3. VARIETY NAME**  
UI Magic

**4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code, and Country)**  
University of Idaho  
875 Perimeter Dr., MS3003  
Moscow, ID 83844-3003

**5. TELEPHONE (include area code)**  
(208) 885 4550  
(208) 885 4551

**6. FAX (include area code)**  
(208) 885 4551

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

**8. IF INCORPORATED, GIVE STATE OF INCORPORATION**  
Idaho

**9. DATE OF INCORPORATION**  
N/A

**10. NAME AND ADDRESS OF OWNER REPRESENTATIVE(S) TO SERVE IN THIS APPLICATION (First person listed will receive all papers)**  
Karen A Stevenson  
Office of Technology Transfer  
University of Idaho  
875 Perimeter Dr., MS3003  
Moscow, ID 83844-3003

**11. TELEPHONE (include area code)**  
(208) 885 4550

**12. FAX (include area code)**  
(208) 885 4551

**13. E-MAIL**  
karens@uidaho.edu

**14. CROP KIND (Common Name)**  
common wheat

**15. GENUS AND SPECIES NAME OF CROP**  
Triticum aestivum L.

**16. FAMILY NAME (Botanical)**  
Gramineae

**17. IS THE VARIETY A FIRST GENERATION HYBRID?**  
☐ YES  ☐ NO

**18. DOES THE VARIETY CONTAIN ANY TRANSGENES? (OPTIONAL)**  
☐ YES  ☐ NO

**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 (US$3,842.88), make checks payable to "Treasurer of the United States" (Mail to the Plant Variety Protection Office) after methods of payment explained in the instructions

**20. HAS THE VARIETY BEEN SOLD, DISPOSED OF, TRANSFERRED, OR USED IN THE U.S. OR OTHER COUNTRIES?**  
☐ YES  ☐ NO

**21. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF CLASSES?**  
☐ YES  ☐ NO

**22. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS?**  
☐ YES  ☐ NO

**23. IF 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

**25. SIGNATURE OF OWNER**

Karen A Stevenson  
Licensing Associate  
DATE: 07/05/2016

**SIGNATURE OF OWNER**

[Signature]

**NAME (Please print or type)**

Karen A Stevenson  
Licensing Associate

**ST - 470 (2012) designed by the Plant Variety Protection Office**  
Page 6 of 10
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
1. Name of Owner
   University of Idaho

2. Temporary Designation or Experimental Name
   09-DH11

3. Variety Name
   UI Magic

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

   UI Magic is derived from the cross 07-688-10/Bitterroot.
   Bitterroot is a released line from University of Idaho (PVP 200800411) its pedigree is DH-31/4/Lewjain/3/RDU/SU92/4/KAL/BB
   07-688-10 is an experimental line from University of Idaho used as a Donor of the 2 IMI resistance genes.
   UI Magic has been developed using a Di-Haploid method (Corn crossing Method).

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

<table>
<thead>
<tr>
<th>Year</th>
<th>Detail of Stage</th>
<th>Selection Criteria</th>
</tr>
</thead>
<tbody>
<tr>
<td>2008-2009</td>
<td>Cross</td>
<td>Earliness, Height, Disease &amp; Herbicide resistance, Vigor</td>
</tr>
<tr>
<td>2009-2010</td>
<td>DH Production</td>
<td>Earliness, Height, Disease &amp; Herbicide resistance, Vigor</td>
</tr>
<tr>
<td>2010-2011</td>
<td>Single row</td>
<td>Yield, Agronomy, Quality Disease &amp; Herbicide resistance</td>
</tr>
<tr>
<td>2011-2012</td>
<td>Single plot</td>
<td>Yield, Agronomy, Quality Disease &amp; Herbicide resistance</td>
</tr>
<tr>
<td>2012-2013</td>
<td>Multiloclal (3), Multi treatment (3), replicated (3) trials</td>
<td></td>
</tr>
<tr>
<td>2013-2014</td>
<td>Multiloclal (10), Multi treatment (3), replicated (3) trials</td>
<td></td>
</tr>
<tr>
<td>2014-2015</td>
<td>Multiloclal (10), Multi treatment (3), replicated (3) trials</td>
<td></td>
</tr>
<tr>
<td>2014-2015</td>
<td>State Variety trials Idaho and Oregon</td>
<td>Yield, Agronomy, Disease Resistance &amp; Regional Adaptation</td>
</tr>
</tbody>
</table>

6. Is the variety uniform?  ✔ Yes  ____ No

   How did you test for uniformity?
   In 2013, 1500 Heads were selected in Idaho and grown in Arizona as Head Rows during the 2013-2014 season. Head rows were evaluated for purity (Earliness, Height, Color, Head shape, Awnedness, etc). The selected Head rows were bulked together to create breeder seeds.
   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 Magic 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 Magic may contain up to 5 per 1000 of awnless plants, up to 3 per 1000 later flowering or greener plants, and up to 2 per 1000 taller plants, up to 8" above the canopy height and up to 0.75% Red Seed.
## EXHIBIT B - STATEMENT OF DISTINCTNESS

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

<table>
<thead>
<tr>
<th>1. Name of Owner</th>
<th>2. Temporary Designation or Experimental Name</th>
<th>3. Variety Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>University of Idaho</td>
<td>09-DH11</td>
<td>UI Magic</td>
</tr>
</tbody>
</table>

Based on overall morphology, UI Magic is most similar to Skiles, most clearly

Applicant's new variety | Most similar comparison variety(ies) |
-------------------------|--------------------------------------|
UI Magic | Skiles |

differs from Skiles 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):

<table>
<thead>
<tr>
<th>Application Variety</th>
<th>Comparison Variety 1</th>
<th>Comparison Variety 2</th>
<th>Comparison Variety 3</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Eg. Leaf Pubescence</strong></td>
<td><strong>Eg. Leaf Color</strong></td>
<td><strong>Eg. Plant Height</strong></td>
<td><strong>Midazolinone Herbicide</strong></td>
</tr>
<tr>
<td>Heavy pubescence</td>
<td>Dark Green (3GY 3/4)</td>
<td>200 cm +/- 10 cm (N=25)</td>
<td>Tolerant</td>
</tr>
<tr>
<td>Glabrous</td>
<td>Light Green (2.5GY 8/10)</td>
<td>250 cm +/- 15 cm (N=25)</td>
<td></td>
</tr>
<tr>
<td><strong>Photograph attached</strong></td>
<td><strong>Munsell Color Chart statistics attached</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Qualitative traits</th>
<th>Color traits</th>
<th>Quantitative traits</th>
<th>Other traits</th>
</tr>
</thead>
<tbody>
<tr>
<td>UI Magic</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Juvenile plant growth: Erect</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flag Leaf (boot Stage): Not Twisted</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Plant Color at boot stage: Blue-Green (Standard use: Royal Horticultural Society)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Imidazolinone Herbicide: Tolerant</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Skiles</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Juvenile plant growth: Semi Erect</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flag Leaf (boot Stage): Twisted</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Plant Color at boot stage: Green</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Imidazolinone Herbicide: Susceptible</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Use additional tables to present clear differences for additional comparison varieties. Use additional pages to present supporting evidence.**
**Objective Description of Variety**

**Wheat (Triticum spp.)**

**Name of Applicant**: University of Idaho Agriculture Experiment Station  
**Temporary or Experimental Designation**: 09-DH11  
**VARIETY NAME**: UI Magic

<table>
<thead>
<tr>
<th><strong>Name of Applicant</strong></th>
<th><strong>Temporary or Experimental Designation</strong></th>
<th><strong>VARIETY NAME</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>University of Idaho Agriculture Experiment Station</td>
<td>09-DH11</td>
<td>UI Magic</td>
</tr>
</tbody>
</table>

**Address** (Street and No. or RD No., City, State, Zip Code and Country):
875 Perimeter Drive MS 2337  
Moscow, Idaho 83844-2337

**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 = Common  
   2 = Durum  
   3 = Club  
   4 = Other (Specify)  

2. **VERNALIZATION:**

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

3. **COLEOPTILE ANTHOCYANIN:**

   1 = Absent  
   2 = Present

4. **JUVENILE PLANT GROWTH:**

   1 = Prostrate  
   2 = Semi-Erect  
   3 = Erect

5. **PLANT COLOR:** (boot stage)

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

6. **FLAG LEAF:** (boot stage)

   1 = Erect  
   2 = Recurved  
   1 = Not Twisted  
   2 = Twisted  
   1 = Wax Absent  
   2 = Wax Present
7. EAR EMERGENCE:

<table>
<thead>
<tr>
<th>Number of Days (Average)</th>
<th>BRUNEAU</th>
<th>LCS ARTDECO</th>
</tr>
</thead>
<tbody>
<tr>
<td>146</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4 Number of Days Earlier Than Same As</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3 Number of Days Later Than</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

8. ANOTHER COLOR: 1 = Yellow 2 = Purple

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

<table>
<thead>
<tr>
<th>cm (Average)</th>
<th>LCS ARTDECO</th>
</tr>
</thead>
<tbody>
<tr>
<td>80</td>
<td></td>
</tr>
<tr>
<td>5 cm Taller Than Same As</td>
<td></td>
</tr>
<tr>
<td>10 cm Shorter Than BRUNEAU</td>
<td></td>
</tr>
</tbody>
</table>

10. STEM:

<table>
<thead>
<tr>
<th>ANTHOCYANIN</th>
<th>1 = Absent 2 = Present</th>
</tr>
</thead>
<tbody>
<tr>
<td>WAXY BLOOM</td>
<td>1 = Absent 2 = Present</td>
</tr>
<tr>
<td>HAIRINESS (last internode of rachis)</td>
<td>1 = Absent 2 = Present</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>INTERNODE</th>
<th>1 = Hollow 2 = Semi-Solid 3 = Solid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Nodes</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PEDUNCLE</th>
<th>1 = Erect 2 = Recurved 3 = Semi-Erect</th>
</tr>
</thead>
<tbody>
<tr>
<td>cm Length</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>AURICLE</th>
<th>1 = Absent 2 = Present</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anthocyanin:</td>
<td></td>
</tr>
<tr>
<td>Hair:</td>
<td></td>
</tr>
</tbody>
</table>

11. HEAD: (At Maturity)

<table>
<thead>
<tr>
<th>DENSITY</th>
<th>1 = Lax 2 = Middense (Laxidense) 3 = Dense</th>
</tr>
</thead>
<tbody>
<tr>
<td>SHAPE</td>
<td>1 = Tapering 2 = Strap 3 = Clavate 4 = Other (Specify)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CURVATURE</th>
<th>1 = Erect 2 = Inclined 3 = Recurved</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>AWNEDNESS</th>
<th>1 = Awnless 2 = Apically Awnletted 3 = Awnletted 4 = Awned</th>
</tr>
</thead>
</table>
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 1
   1 = Narrow
   2 = Medium
   3 = Wide

D. BEAK 3
   1 = Obtuse
   2 = Acute
   3 = Acuminate

E. BEAK WIDTH 2
   1 = Narrow
   2 = Medium
   3 = Wide

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

G. WIDTH 2
   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 = Ovate  
2 = Oval  
3 = Elliptical

**B. CHEEK**
2 = Rounded  
3 = Angular

**C. BRUSH**
2 = Short  
1 = Not Collared  
3 = Long

**D. CREASE**
2 = Width 60% or less of Kernel  
1 = Width Nearly as Wide as Kernel  
3 = Width 80% or less of Kernel

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

**F. TEXTURE**
2 = Hard  
1 = Not Collared  
3 = Other (Specify)

**G. PHENOL REACTION (See Instructions)**
1 = Ivory  
2 = Fawn  
3 = Light Brown

**H. SEED WEIGHT**
---g/1000 Seed (whole number only)

**I. GERM SIZE**
1 = Small  
3 = Long

### 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*)
- 0 Leaf Rust (*Puccinia recondita* f. sp. *tritici*)
- 0 Stripe Rust (*Puccinia striiformis*)
- 0 Loose Smut (*Ustilago tritic*um)
- 0 Powdery Mildew (*Erysiphe graminis* f. sp. *tritici*)
- 0 Common Bunt (*Tilletia tritici* or *T. laevis*)
- 0 Dwarf Bunt (*Tilletia controversa*)
- 0 Karnal Bunt (*Tilletia indica*)
- 0 Flag Smut (*Urocystis agropyri*)
- 0 Tan Spot (*Pyrenophora tritic*ica-repentis*)
- 0 Halo Spot (*Selenophoma donacia*)
- 0 Septoria spp.
- 0 Septoria nodorum (Glume Blotch)
- 0 Septoria avenae (Speckled Leaf Disease)
- 0 Septoria tritici (Speckled Leaf Blotch)
- 0 Scab (*Fusarium spp.*)
- 0 "Snow Molds"
- 0 Kernel Smudge ("Black Point")
- 0 Common Root Rot (*Fusarium, Cochliobolus and Bipolaris spp.*)
- 0 Barley Yellow Dwarf Virus (BYDV)
- 0 Rhizoctonia Root Rot (*Rhizoctonia solani*)
- 0 Soilborne Mosaic Virus (SBMV)
- 0 Black Chaff (*Xanthomonas campestris pv. translucens*)
14. DISEASE: (continued) (0 = Not Tested 1 = Susceptible 2 = Resistant 3 = Intermediate 4 = Tolerant)
   0  Wheat Yellow (Spindle Streak) Mosaic Virus
   0  Bacterial Leaf Blight (Pseudomonas syringae pv. syringae)
   0  Wheat Streak Mosaic Virus (WSMV)
   0  Other (Specify) 
   0  Other (Specify) 
   0  Other (Specify) 
   0  Other (Specify) 

Race: __________________________  __________________________
Race: __________________________  __________________________
Race: __________________________  __________________________
Race: __________________________  __________________________
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 melanope) (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
   1
   2
   null
   1

   Glu-B1
   6+8
   7+8
   7+9
   13+16
   13+19
   17+18

   Glu-D1
   2+11
   2+12
   3+12
   5+10
   null

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

12. (D.) BEAK SHAPE:
   1. Obtuse
   2. Acute
   3. Acuminate

11. (D.) AWNEDNESS:
   1. Awnless
   2. Apically Awnleted
   3. Awnleted
   4. Awned

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:
## EXHIBIT E - STATEMENT OF THE BASIS OF OWNERSHIP

1. Name of Owner
   - University of Idaho

2. Temporary Designation or Experimental Name
   - 09-DH11

3. Variety Name
   - UI Magic

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

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

6. Is the applicant the original owner?
   - YES
   - 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
     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

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

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**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.