TO ALL TO WHOM THESE PRESENTS SHALL COME:

Limagrain Cereal Seeds, LLC and University of Idaho

Whereas, there has been presented to the Administrator of the Agricultural Marketing Service

An application requesting a certificate of protection for an alleged novel variety of sexually reproduced, asexually 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 germplasm material 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 there from, to the extent provided by the PLANT VARIETY PROTECTION ACT. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

WHEAT

'VI Voodoo CL +'

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 seventh day of May, in the year two thousand twenty two.

Attest:

Commissioner
Plant Variety Protection Office
Agricultural Marketing Service

Administrator
Agricultural Marketing Service
1. NAME OF OWNER
Limagrain Cereal Seeds, LLC, and Univ. of Idaho

2. TEMPORARY DESIGNATION OR EXPERIMENTAL NAME
UIL 17-6268 CL+

3. VARIETY NAME
VI Voodoo CL+

4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code, and Country)
2040 SE Frontage Road
Fort Collins, CO 80525

5. TELEPHONE (Include area code)
(970) 498-2200

6. FAX (Include area code)
(970) 498-2207

7. IF THE OWNER NAMED IS NOT A "PERSON", GIVE FORM OF ORGANIZATION (corporation, partnership, association, etc.)
Limited Liability Company; Land-grant University

8. IF INCORPORATED, GIVE STATE OF INCORPORATION
Delaware

9. DATE OF INCORPORATION
12/21/2009

10. NAME AND ADDRESS OF OWNER REPRESENTATIVE(S) TO SERVE IN THIS APPLICATION (First person listed will receive all papers)
Dr. C. James Peterson
Karen Stevenson
Limagrain Cereal Seeds
University of Idaho
2040 SE Frontage Road
875 Perimeter Drive, MS3003
Fort Collins, CO 80525
Moscow, ID 83844

11. TELEPHONE (Include area code)
(970) 498-2202; (208) 885-4550

12. FAX (Include area code)
(970) 498-2207

13. E-MAIL

14. CROP KIND (Common Name)
Common wheat

15. GERENUS AND SPECIES NAME OF CROP
Triticum aestivum

16. FAMILY NAME (botanical)
Gramineae

17. IS THE VARIETY A FIRST GENERATION HYBRID?

NO

18. IS THE VARIETY CONTAIN ANY TRANSGENSES (OPTIONAL)

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

20. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE SOLD ONLY AS A CLASS OF CERTIFIED

21. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF CLASSES?

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

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?

24. IS THE VARIETY OR ANY COMPONENT OF THE VARIETY PROTECTED BY INTELLECTUAL PROPERTY RIGHTS (PLANT BREEDERS' RIGHT OR PATENT)?

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 repatriated 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. There 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 25, and is entitled to protection under the provisions of Section 43 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. C. James Peterson
Vice President of Research

SIGNATURE OF OWNER

Karen A Stevenson
Sr. Licensing Asst
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.)

The variety was first sold in September of 2020 in the United States.

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**: Limagrain Cereal Seeds, LLC, and Univ. of Idaho

2. **Temporary Designation or Experimental Name**: UL 17-6268 CL+

3. **Variety Name**: VI Voodoo CL+

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

   The soft white winter wheat (SWW) line VI Voodoo CL+ is from the cross LCS Artdeco/UI Magic. The pedigree of LCS Artdeco is NSA02-1466/VR99B057. The pedigree of UI Magic is 07M688-10/Bitterroot. UI Magic was used as the donor of the 2 IMI resistance genes. The cross from which VI Voodoo CL+ originated was made in 2013. The seeds from the F1 generation were sent to the Limagrain Double Haploid Facility in Chappes, France in 2014. Double haploid progeny were returned to LCS in February 2016.

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>2013</td>
<td>Initial cross</td>
<td>None</td>
</tr>
<tr>
<td>2016</td>
<td>Dihaploid headrow grown in Walla Walla, WA</td>
<td>None</td>
</tr>
<tr>
<td>2017</td>
<td>Y1 plots grown in Walla Walla, WA</td>
<td>Grain yield, agronomic type, disease resistance</td>
</tr>
<tr>
<td>2018</td>
<td>Replicated trial at 5 locations</td>
<td>Grain yield, agronomic type, disease resistance</td>
</tr>
<tr>
<td>2019</td>
<td>Replicated trial at 18 locations</td>
<td>Grain yield, agronomic type, disease resistance</td>
</tr>
<tr>
<td>2020</td>
<td>Pre-breeder seed production in Walla Walla, WA</td>
<td>Grain yield, yield stability, disease resistance, milling and baking quality</td>
</tr>
<tr>
<td></td>
<td>Foundation seed production near Parma, ID</td>
<td></td>
</tr>
</tbody>
</table>

6. **Is the variety uniform?**

   - Yes
   - No

   **How did you test for uniformity?**

   Uniformity was evaluated during Pre-breeder and Foundation seed production. Pre-breeder seed was first produced in Walla Walla, WA in plots which produced enough seed to plant a 1 acre headrowed Foundation seed increase in Parma, ID in the fall of 2019 which resulted in 150 bushels of Foundation seed. The variety was lightly rogued for off types in each production cycle.

7. **Is the variety stable?**

   - Yes
   - No

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

   Stability was evaluated over 2 years including Pre-breeder and Foundation seed production. All generations were stable for phenotypic characteristics and expression of variants.

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.**

   VI Voodoo CL+ may contain up to 1 per 1000 taller plants, up to 2 spike lengths above the main canopy, up 1 per 10,000 awnless plants; seed may contain up to 0.75% red grain.
**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>Limagrain Cereal Seeds, LLC, and Univ. of Idaho</td>
<td>UIL 17-6268 CL+</td>
<td>VI Voodoo CL+</td>
</tr>
</tbody>
</table>

Based on overall morphology, VI Voodoo CL+ is most similar to LCS Ardeco and UI Magic. VI Voodoo CL+ most clearly differs from LCS Ardeco and UI Magic 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>1. Qualitative traits:</th>
<th>2. Color traits:</th>
<th>3. Quantitative traits:</th>
<th>4. Other traits:</th>
</tr>
</thead>
<tbody>
<tr>
<td>VI Voodoo CL+</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Juvenile plant growth</td>
<td>semi-erect</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Plant color</td>
<td>blue-green</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flag leaf</td>
<td>wax present</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Head curvature</td>
<td>inclined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Glumes beak</td>
<td>acuminate</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Seed cheek</td>
<td>rounded</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LCS Ardeco</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Juvenile plant growth</td>
<td>semi-erect</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Plant color</td>
<td>green</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flag leaf</td>
<td>wax absent</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Head curvature</td>
<td>inclined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Glumes beak</td>
<td>acute</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Seed cheek</td>
<td>rounded</td>
<td></td>
<td></td>
</tr>
<tr>
<td>UI Magic</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Juvenile plant growth</td>
<td>erect</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Plant color</td>
<td>blue-green</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flag leaf</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Head curvature</td>
<td>erect</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Glumes beak</td>
<td>acuminate</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Seed cheek</td>
<td>angular</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.**
EXHIBIT C

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

OBJECTIVE DESCRIPTION OF VARIETY

Wheat
(Triticum spp.)

NAME OF APPLICANT (S) TEMPORARY OR EXPERIMENTAL DESIGNATION VARIETY NAME
Limagrain cereal Seeds, LLC, and Univ. of Idaho UIL 17-6268 CL+ VI Voodoo CL+

LOCATION OF FIELD TRIAL (S) (NEAREST CITY, STATE, COUNTY, AND COUNTRY)
Walla Walla, WA, Whitman, USA

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.

Morphology:

I. PLANT:

1. _____ Plant Kind:
   ☐ A. Common ☐ B. Durum ☐ C. Club
   ☐ D. Other (Specify) 

2. _____ Market Class:
   ☐ A. HRW (Hard Red Winter) ☐ B. HRS (Hard Red Spring) ☐ C. HW (Hard White)
   ☐ D. SRW (Soft Red Winter)  ☐ E. SW (Soft White)

3. _____ Vernalization:
   ☐ A. Spring ☐ B. Winter
   ☐ C. Other (Specify) 

ST-470-06 ( 12/2018 ) designed by the Plant Variety Protection Office
I. PLANT: (con.)

4. A. Coleoptile Anthocyanin:
   - A. Absent
   - B. Present

5. C. Juvenile Plant Growth:
   - A. Prostrate
   - B. Prostrate to Semi-Erect
   - C. Semi-Erect
   - D. Semi-Erect to Erect
   - E. Erect

EARLY PLANT GROWTH HABIT:

Prostrate  Intermediate  Erect

6. C. Plant Color: (Boot Stage)
   - A. Yellow-Green
   - B. Green
   - C. Blue-Green
   - D. Other (Specify) ________________________

7. A. Flag Leaf Orientation: (Boot Stage)
   - A. Erect
   - B. Semi-Erect
   - C. Recurved
   - D. Other (Specify) ________________________

8. A. Flag Leaf Type:
   - A. Not Twisted
   - B. Twisted

9. B. Flag Leaf Glaucosity:
   - A. Wax Absent
   - B. Wax Present

II. EAR

1. 153 Ear Emergence (Number of Days)

2. Ear Emergence (Number of Days Earlier than* ________________________)

3. Ear Emergence (Same Number of Days as* ________________________)

4. Ear Emergence (Number of Days Later than* _________ ________________)

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

III. ANTHER:

1. A. Anther Coloration:
   - A. Yellow
   - B. Purple
   - C. Other (Specify) ________________________

---

ST-470-06 (12/2018) designed by the Plant Variety Protection Office

202100362

rec'd 9/23/2021  MAH
IV. PLANT HEIGHT:
1. _____Plant Height Class:
   - A. Semi-Dwarf
   - B. Standard
2. _____Plant Height (cm)
3. _____Plant Height (cm Taller than* LCS Artdeco)
4. _____Plant Height (cm Same as* UI Magic)
5. _____Plant Height (cm Shorter than*)
   * Relative to a PVPO-Approved Commercial Variety Grown in the Same Trial

V. STEM:
1. _____Stem Anthocyanin Coloration:
   - A. Absent
   - B. Present
   - C. Other (Specify)
2. _____Stem Waxy Bloom:
   - A. Absent
   - B. Present
3. _____Stem Hairiness (Last Internode of Rachis)
   - A. Absent
   - B. Present
   - C. Other (Specify)
4. _____Internode Type:
   - A. Hollow
   - B. Semi-Solid
   - C. Solid
   - D. Other (Specify)

STEM INTERNODE CROSS SECTION:
- Hollow
- Semi-solid
- Solid

5. _____Internode: Number of Nodes
6. _____Peduncle Type:
   - A. Erect
   - B. Recurved
   - C. Semi-Erect
   - D. Other (Specify)
7. _____Peduncle Length (cm)
8. _____Auricle Anthocyanin:
   - A. Absent
   - B. Present
V. STEM: (con.)

9. ________Auricle Hairiness:
   - A. Absent
   - B. Present
   - C. Other (Specify) __________________________

VI. HEAD:

1. ________Head Density at Maturity:
   - A. Lax
   - B. Middense (Laxidense)
   - C. Dense
   - D. Other (Specify) __________________________

2. ________Head Shape at Maturity:
   - A. Tapering
   - B. Strap
   - C. Clavate
   - D. Elliptical
   - E. Other (Specify) __________________________

   SPIKE SHAPE:

   Tapering  Oblong  Clavate  Elliptical

3. ________Head Curvature at Maturity:
   - A. Erect
   - B. Erect to Inclined
   - C. Inclined
   - D. Inclined to Recurve
   - E. Recurved

4. ________Head Awnedness at Maturity:
   - A. Awnless
   - B. Apically Awnletted
   - C. Awnletted
   - D. Awned
   - E. Other (Specify) __________________________

   AWNEDNESS:

   Awnless  Apically Awnletted  Awnletted  Awned
VII. GLUME:

1. ________ Glume Color at Maturity:
   - A. White
   - B. Tan
   - C. Other (Specify) ________________

2. ________ Glume Shoulder at Maturity:
   - A. Wanting
   - B. Oblique
   - C. Rounded
   - D. Square
   - E. Elevated
   - F. Apiculate
   - G. Other (Specify) __________________

   ![Shoulder Shapes](image)

3. ________ Glume Shoulder Width at Maturity:
   - A. Narrow
   - B. Narrow to Medium
   - C. Medium
   - D. Medium to Wide
   - E. Wide

4. ________ Glume Beak Shape at Maturity:
   - A. Obtuse
   - B. Acute
   - C. Acuminate
   - D. Other (Specify) __________________

   ![Beak Shapes](image)

5. ________ Glume Beak Length at Maturity:
   - A. Very Short
   - B. Short
   - C. Medium
   - D. Long
   - E. Very Long

6. 0.2 ________ Glume Beak Length at Maturity (cm)

7. ________ Glume Beak Width:
   - A. Narrow
   - B. Narrow to Medium
   - C. Medium
   - D. Medium to Wide
   - E. Wide

8. 0.1 ________ Glume Beak Width at Maturity (cm)
VII. GLUME: (con.)

9. Glume Length at Maturity:
   - A. Short (~7mm)
   - B. Medium (~8mm)
   - C. Long (~9mm)
   - D. Other (Specify) ________________________

10. Glume Width at Maturity:
    - A. Narrow (~3mm)
    - B. Medium (~3.5mm)
    - C. Wide (~4mm)
    - D. Other (Specify) ________________________
    - E. Wide

11. Glume Pubescence at Maturity:
    - A. Not Present
    - B. Present

VIII. SEED:

1. Seed Shape:
   - A. Ovate
   - B. Oval
   - C. Elliptical
   - D. Other (Specify) ________________________

   SEED SHAPE:

   - Ovate
   - Oval
   - Elliptical

2. Seed Cheek:
   - A. Rounded
   - B. Angular

   CHEEK SHAPE:

   - Rounded
   - Angular
VIII. SEED: (con.)

3. ________Seed Brush:
   - A. Short
   - B. Short to Medium
   - C. Medium
   - D. Medium to Long
   - E. Long

   BRUSH HAIR LENGTH:
   - Short
   - Medium
   - Long

4. ________Seed Brush Collar:
   - A. Not Collared
   - B. Collared

   BRUSH SIZE
   - Small
   - Midsized
   - Large
   - Collared

5. ________Seed Crease Width:
   - A. 60% or Less of Kernel
   - B. 80% or Less of Kernel
   - C. Nearly as Wide as Kernel
   - D. Other (Specify) ________________________

   SEED CREASE WIDTH:
   - Narrow
   - Mid-wide
   - Wide
VIII. SEED: (con.)

6. ______ Seed Crease Depth:
   A. 20% or Less of Kernel
   B. 35% or Less of Kernel
   C. 50% or Less of Kernel
   D. Other (Specify) ________________________

[Diagram: Shallow, Mid-Deep, Deep]

7. ______ Seed Color:
   A. White
   B. Amber
   C. Red
   D. Other (Specify) ________________________

8. ______ Seed Texture:
   A. Hard
   B. Soft
   C. Other (Specify) ________________________

9. ______ Seed Phenol Reaction (See Instructions for More Information):
   A. Ivory
   B. Fawn
   C. Light Brown
   D. Dark Brown
   E. Black
   F. Other (Specify) ________________________

10. 45. ______ Seed Weight (g per 1000 Seeds, Whole Number Only)

11. ______ Seed Germ Size
   A. Small
   B. Small to Medium
   C. Medium
   D. Medium to Large
   E. Large

[Diagram: Small, Mid-sized, Large]
IX. DISEASE:

1. Disease: Please Indicate the Specific Race or Strain Tested

\( (0 = \text{Not Tested}, \ 1 = \text{Susceptible,} \ 2 = \text{Resistant,} \ 3 = \text{Intermediate,} \ 4 = \text{Tolerant}) \)

<table>
<thead>
<tr>
<th>Disease</th>
<th>Race</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stem Rust (Puccinia graminis f. sp. tritici)</td>
<td>0</td>
</tr>
<tr>
<td>Leaf Rust (Puccinia recondita f. sp. tritici)</td>
<td>0</td>
</tr>
<tr>
<td>Stripe Rust (Puccinia striiformis)</td>
<td>0</td>
</tr>
<tr>
<td>Loose Smut (Ustilago tritici)</td>
<td>0</td>
</tr>
<tr>
<td>Powdery Mildew (Erysiphe graminis f. sp. tritici)</td>
<td>0</td>
</tr>
<tr>
<td>Common Bunt (Tilletia tritici or T. laevis)</td>
<td>0</td>
</tr>
<tr>
<td>Dwarf Bunt (Tilletia controversa)</td>
<td>0</td>
</tr>
<tr>
<td>Karnal Bunt (Tilletia indica)</td>
<td>0</td>
</tr>
<tr>
<td>Flag Smut (Urocystis agropyri)</td>
<td>0</td>
</tr>
<tr>
<td>Tan Spot (Pyrenophora tritici-repentis)</td>
<td>0</td>
</tr>
<tr>
<td>Halo Spot (Selenophoma donaci)</td>
<td>0</td>
</tr>
<tr>
<td>Septoria spp.</td>
<td>0</td>
</tr>
<tr>
<td>Septoria nodorum (Glume Blotch)</td>
<td>0</td>
</tr>
<tr>
<td>Septoria avenae (Speckled Leaf Disease)</td>
<td>0</td>
</tr>
<tr>
<td>Septoria tritici (Speckled Leaf Blotch)</td>
<td>0</td>
</tr>
<tr>
<td>Scab (Fusarium spp.)</td>
<td>0</td>
</tr>
<tr>
<td>&quot;Snow Molds&quot;</td>
<td>0</td>
</tr>
<tr>
<td>Kernel Smudge (&quot;Black Point&quot;)</td>
<td>0</td>
</tr>
<tr>
<td>Common Root Rot (Fusarium, Cochliobolus and Bipolaris spp.)</td>
<td>0</td>
</tr>
<tr>
<td>Barley Yellow Dwarf Virus (BYDV)</td>
<td>0</td>
</tr>
<tr>
<td>Rhizoctonia Root Rot (Rhizoctonia solani)</td>
<td>0</td>
</tr>
<tr>
<td>Soilborne Mosaic Virus (SBMV)</td>
<td>0</td>
</tr>
<tr>
<td>Black Chaff (Xanthomonas campestris pv. translucens)</td>
<td>0</td>
</tr>
<tr>
<td>Wheat Yellow (Spindle Streak) Mosaic Virus</td>
<td>0</td>
</tr>
<tr>
<td>Bacterial Leaf Blight (Pseudomonas syringae pv. syringae)</td>
<td>0</td>
</tr>
<tr>
<td>Wheat Streak Mosaic Virus (WSMV)</td>
<td>0</td>
</tr>
<tr>
<td>Other (Specify)</td>
<td></td>
</tr>
</tbody>
</table>
IX. DISEASE: (con.)

2. Homozygous For Specific Disease Resistance Gene

(0 = Not Tested, 1 = Susceptible, 2 = Resistant, 3 = Intermediate, 4 = Tolerant)

0. Stem rust ______________________________________
   - 0. Not Tested
   - 1. Susceptible
   - 2. Resistant
   - 3. Intermediate
   - 4. Tolerant

0. Stripe rust ______________________________________
   - 0. Not Tested
   - 1. Susceptible
   - 2. Resistant
   - 3. Intermediate
   - 4. Tolerant

0. Leaf rust _______________________________________
   - 0. Not Tested
   - 1. Susceptible
   - 2. Resistant
   - 3. Intermediate
   - 4. Tolerant

Other (Specify) ________________________________
   - 0. Not Tested
   - 1. Susceptible
   - 2. Resistant
   - 3. Intermediate
   - 4. Tolerant
X. PESTS:

1. INSECT: PLEASE SPECIFY BIOTYPE (Where Needed)

   (0 = Not Tested, 1 = Susceptible, 2 = Resistant, 3 = Intermediate, 4 = Tolerant)

<table>
<thead>
<tr>
<th>Pest</th>
<th>Biotype</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stem Sawfly (Cephus spp.)</td>
<td></td>
</tr>
<tr>
<td>Cereal Leaf Beetle (Oulema melanopa)</td>
<td></td>
</tr>
<tr>
<td>Russian Aphid 1 (Diuraphis noxia)</td>
<td></td>
</tr>
<tr>
<td>Russian Aphid 2 (Diuraphis noxia)</td>
<td></td>
</tr>
<tr>
<td>Greenbug (Schizaphis graminum)</td>
<td></td>
</tr>
<tr>
<td>Greenbug (Schizaphis graminum) Biotype A</td>
<td></td>
</tr>
<tr>
<td>Greenbug (Schizaphis graminum) Biotype B</td>
<td></td>
</tr>
<tr>
<td>Greenbug (Schizaphis graminum) Biotype C</td>
<td></td>
</tr>
<tr>
<td>Greenbug (Schizaphis graminum) Biotype E</td>
<td></td>
</tr>
<tr>
<td>Greenbug (Schizaphis graminum) Other (Specify)</td>
<td></td>
</tr>
<tr>
<td>Aphids (Specify)</td>
<td></td>
</tr>
<tr>
<td>Other (Specify)</td>
<td></td>
</tr>
<tr>
<td>Hessian Fly (Mayetiola destructor) Biotype A</td>
<td></td>
</tr>
<tr>
<td>Hessian Fly (Mayetiola destructor) Biotype B</td>
<td></td>
</tr>
<tr>
<td>Hessian Fly (Mayetiola destructor) Biotype C</td>
<td></td>
</tr>
<tr>
<td>Hessian Fly (Mayetiola destructor) Biotype D</td>
<td></td>
</tr>
<tr>
<td>Hessian Fly (Mayetiola destructor) Biotype E</td>
<td></td>
</tr>
<tr>
<td>Hessian Fly (Mayetiola destructor) Biotype F</td>
<td></td>
</tr>
<tr>
<td>Hessian Fly (Mayetiola destructor) Biotype G</td>
<td></td>
</tr>
<tr>
<td>Hessian Fly (Mayetiola destructor) Biotype GP</td>
<td></td>
</tr>
<tr>
<td>Hessian Fly (Mayetiola destructor) Biotype H</td>
<td></td>
</tr>
<tr>
<td>Hessian Fly (Mayetiola destructor) Biotype I</td>
<td></td>
</tr>
<tr>
<td>Hessian Fly (Mayetiola destructor) Biotype J</td>
<td></td>
</tr>
<tr>
<td>Hessian Fly (Mayetiola destructor) Biotype L</td>
<td></td>
</tr>
<tr>
<td>Hessian Fly (Mayetiola destructor) Biotype M</td>
<td></td>
</tr>
<tr>
<td>Hessian Fly (Mayetiola destructor) Biotype N</td>
<td></td>
</tr>
<tr>
<td>Hessian Fly (Mayetiola destructor) Biotype O</td>
<td></td>
</tr>
<tr>
<td>Hessian Fly (Mayetiola destructor) (specify)</td>
<td></td>
</tr>
</tbody>
</table>
XI. ADDITIONAL INFORMATION:

1. High Molecular Weight Glutenin Subunit Profile (Check those that apply):

<table>
<thead>
<tr>
<th>Glu-A1</th>
<th>Glu-B1</th>
<th>Glu-D1</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>6+8</td>
<td>2+11</td>
</tr>
<tr>
<td></td>
<td>7+8</td>
<td>2+12</td>
</tr>
<tr>
<td></td>
<td>7+9</td>
<td>3+12</td>
</tr>
<tr>
<td>2*</td>
<td></td>
<td>5+10</td>
</tr>
<tr>
<td>null</td>
<td>13+16</td>
<td></td>
</tr>
<tr>
<td>1*</td>
<td>13+19</td>
<td>null</td>
</tr>
<tr>
<td></td>
<td>17+18</td>
<td></td>
</tr>
</tbody>
</table>

2. Translocations

(1=Present, 2=Absent, 3=Heterogeneous, 4=Not Tested):

<table>
<thead>
<tr>
<th>1BL/1RS</th>
<th>1A/1R</th>
<th>2NS/2AS</th>
<th>4DL/4AgS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>3</td>
<td>3</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
</tr>
</tbody>
</table>

3. Imidazolinone Herbicide Tolerance:

<table>
<thead>
<tr>
<th>Als-1</th>
<th>Als-2</th>
<th>Als-3</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>① 1. Present</td>
<td>① 1. Present</td>
<td>① 1. Present</td>
</tr>
<tr>
<td>② 2. Absent</td>
<td>② 2. Absent</td>
<td>② 2. Absent</td>
</tr>
</tbody>
</table>

4. End Use Quality:

- Grain Protein
- Flour Protein 10.0
- SDS
- Farniograph
- Other Cookie Diam. 8.9 cm

[ PLEASE ENTER ADDITIONAL VARIETY TRAITS ON NEXT PAGE ]
XII. COMMENTS:

References:


Table 1. Yield of VI Voodoo CL+ (bu/ac) compared to check varieties LCS Artdeco, SY Ovation, UI Castle and UI Magic in Washington State University Variety Trials during 2019 and 2020 at Pullman, WA and Colton, WA. Mean, %CV and LSD derived from entire data set.

<table>
<thead>
<tr>
<th>Variety</th>
<th>Colton, WA 2019</th>
<th>Pullman, WA 2019</th>
<th>Colton, WA 2020</th>
<th>Pullman, WA 2020</th>
<th>Average</th>
</tr>
</thead>
<tbody>
<tr>
<td>VI Voodoo CL+</td>
<td>131</td>
<td>94</td>
<td>140</td>
<td>144</td>
<td>127</td>
</tr>
<tr>
<td>LCS Artdeco</td>
<td>131</td>
<td>91</td>
<td>139</td>
<td>143</td>
<td>126</td>
</tr>
<tr>
<td>SY Ovation</td>
<td>127</td>
<td>99</td>
<td>127</td>
<td>134</td>
<td>113</td>
</tr>
<tr>
<td>UI Castle</td>
<td>127</td>
<td>101</td>
<td>127</td>
<td>134</td>
<td>122</td>
</tr>
<tr>
<td>UI Magic</td>
<td>132</td>
<td>106</td>
<td>133</td>
<td>129</td>
<td>125</td>
</tr>
<tr>
<td>Mean</td>
<td>129</td>
<td>102</td>
<td>133</td>
<td>140</td>
<td>126</td>
</tr>
<tr>
<td>%CV</td>
<td>4</td>
<td>8</td>
<td>6</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>LSD</td>
<td>7</td>
<td>10</td>
<td>16</td>
<td>15</td>
<td></td>
</tr>
</tbody>
</table>
Table 2. Grain yield, test weight, protein and agronomic traits for VI Voodoo CL+ compared to currently grown soft white winter wheat varieties. Excerpt from a 40 entry trial grown at 9 locations in 2020.

<table>
<thead>
<tr>
<th>2020 LCS IYT Yield Trial</th>
<th>Agronomic Traits</th>
<th>Grain Test Wt.</th>
<th>Grain Protein</th>
<th>Grain Yield</th>
</tr>
</thead>
<tbody>
<tr>
<td>Source</td>
<td>Genotype</td>
<td>Heading Date 3-site mean (DOY)</td>
<td>Plant Height 7-site mean (cm)</td>
<td>Lodging Walla Walla, WA (0-9)</td>
</tr>
<tr>
<td>LCS</td>
<td>VI Voodoo CL+</td>
<td>153</td>
<td>84</td>
<td>0</td>
</tr>
<tr>
<td>LCS</td>
<td>VI Presto CL+</td>
<td>152</td>
<td>99</td>
<td>0</td>
</tr>
<tr>
<td>LCS</td>
<td>VI Shock</td>
<td>152</td>
<td>94</td>
<td>0</td>
</tr>
<tr>
<td>LCS</td>
<td>LCS Artdeco</td>
<td>150</td>
<td>83</td>
<td>0</td>
</tr>
<tr>
<td>Syngenta</td>
<td>SY Ovation</td>
<td>153</td>
<td>94</td>
<td>0</td>
</tr>
<tr>
<td>UI</td>
<td>UI Magic</td>
<td>151</td>
<td>85</td>
<td>0</td>
</tr>
<tr>
<td>UI</td>
<td>UI Castle</td>
<td>158</td>
<td>97</td>
<td>1</td>
</tr>
</tbody>
</table>

Table 3. Mean milling analyses and glutenin composition of grain from 7-site years in Washington and Idaho.

<table>
<thead>
<tr>
<th>Flour analyses</th>
<th>Gluten composition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Break Flour Yield</td>
<td>Protein</td>
</tr>
<tr>
<td>%</td>
<td>%</td>
</tr>
<tr>
<td>VI Voodoo CL+</td>
<td>79.0</td>
</tr>
<tr>
<td>VI Presto CL+</td>
<td>78.0</td>
</tr>
<tr>
<td>VI Shock</td>
<td>79.0</td>
</tr>
<tr>
<td>UI Magic</td>
<td>77.0</td>
</tr>
<tr>
<td>LCS Artdeco</td>
<td>76.0</td>
</tr>
</tbody>
</table>
**EXHIBIT E - STATEMENT OF THE BASIS OF OWNERSHIP**

<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>Limagrain Cereal Seeds, LLC, and Univ. of Idaho</td>
<td>UIL 17-6268 CL+</td>
<td>VI Voodoo CL+</td>
</tr>
</tbody>
</table>

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.