THE UNITED STATES OF AMERICA

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 therefrom, to the extent provided by the PLANT VARIETY PROTECTION ACT. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

WHEAT

'VI Presto 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:

[Signature]

Commissioner
Plant Variety Protection Office
Agricultural Marketing Service

[Signature]

Administrator
Agricultural Marketing Service
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
Limagrain Cereal Seeds, LLC, and Univ. of Idaho

2. TEMPORARY DESIGNATION OR EXPERIMENTAL NAME
UI 17-6451CL+

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

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

7. IF INCORPORATED, GIVE STATE OF INCORPORATION
Delaware

8. DATE OF INCORPORATION
12/21/2009

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

10. NAME AND ADDRESS OF OWNER REPRESENTATIVE(S) TO SERVE IN THIS APPLICATION (First person listed will receive all papers)
Dr. C. James Peterson
Limagrain Cereal Seeds
2040 SE Frontage Road
Fort Collins, CO 80525

Karen Stevenson
University of Idaho
875 Perimeter Drive, MS3003
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

dr.c.james.peterson@limagrain.com

14. CROP KIND (Common Name)
Common wheat

15. GENUS AND SPECIES NAME OF CROP
Triticum aestivum

16. FAMILY NAME (Botanical)
Grass

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 (See Instructions and Information collection burden statement 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), check made 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 SEED? (See Section 630h) of the Plant Variety Protection Act
   ☐ YES (If "yes", answer items 21 and 22 below)
   ☐ NO (If "no", go to item 23)
   ☐ UNDECIDED

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

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

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

24. IS THE VARIETY OR ANY COMPONENT OF THE VARIETY PROTECTED BY INTELLECTUAL PROPERTY RIGHT (PLANT BREEDER’S RIGHT OR PATENT)?
   ☐ YES ☐ NO

25. 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 32.4 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

NAME (Please print or type)

CAPACITY OR TITLE

DATE
3/30/21

REPRODUCE LOCALLY. Includes form number and date on all reproductions.
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
I. Name of Owner
Limagrain Cereal Seeds, LLC, and Univ. of Idaho

2. Temporary Designation or Experimental Name
UIL 17-6451CL+

3. Variety Name
VI Presto 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 Presto CL+ is from the cross UI Palouse/Norwest Duet. The pedigree of UI Palouse is UICF Brundage×2/02-832-2/2/N91D. The pedigree of Norwest Duet is Xerpha/Skiles. UI Palouse was used as the donor of the 2 IMI resistance genes.

The cross from which VI Presto CL+ originated was made in 2013. The seeds from the F1 generation was 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>Replicated trial at 34 locations</td>
<td></td>
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<tr>
<td></td>
<td>Foundation seed production near Parma, ID</td>
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</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 Presto 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>Limagrain Cereal Seeds, LLC, and Univ. of Idaho</th>
<th>2. Temporary Designation or Experimental Name</th>
<th>UIL 17-8451CL+</th>
<th>3. Variety Name</th>
<th>VI Presto CL+</th>
</tr>
</thead>
</table>

**Based on overall morphology,** VI Presto CL+ **is most similar to Norwest Duet and UI Palouse** VI Presto CL+ **most clearly differs from Norwest Duet and UI Palouse** 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></th>
<th>Variety Name</th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>VI Presto CL+</strong></td>
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<tr>
<td>Head density - middense</td>
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<tr>
<td>Head shape - strap</td>
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<td></td>
</tr>
<tr>
<td>Head curvature - inclined</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Awnedness - awned</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Glume shoulder - oblique</td>
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</tr>
</tbody>
</table>

| **Norwest Duet**                                                                    |                      |                       |                     |                     |                     |
| Head shape - tapering                                                               |                      |                       |                     |                     |                     |
| Head curvature - inclined                                                           |                      |                       |                     |                     |                     |
| Awnedness - awned                                                                  |                      |                       |                     |                     |                     |
| Glume shoulder - rounded                                                            |                      |                       |                     |                     |                     |

| **UI Palouse**                                                                      |                      |                       |                     |                     |                     |
| Head density - dense                                                                |                      |                       |                     |                     |                     |
| Head shape - strap                                                                  |                      |                       |                     |                     |                     |
| Head curvature - erect                                                               |                      |                       |                     |                     |                     |
| Awnedness - awnless                                                                 |                      |                       |                     |                     |                     |
| Glume shoulder - oblique                                                            |                      |                       |                     |                     |                     |

**Qualitative traits:**

1. **Qualitative traits:**
   - VI Presto CL+
   - Head density - middense
   - Head shape - strap
   - Head curvature - inclined
   - Awnedness - awned
   - Glume shoulder - oblique

2. **Color traits:**
   - Light Green (2.5GY 8/10)
   - 250 cm +/- 15 cm (N=25)

3. **Quantitative traits:**
   - Head density
   - Head shape - strap
   - Head curvature - inclined
   - Awnedness - awned
   - Glume shoulder - rounded

4. **Other traits:**
   - Photograph attached
   - Munsell Color Chart
   - Statistics attached

---

**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.)

<table>
<thead>
<tr>
<th>NAME OF APPLICANT (S)</th>
<th>TEMPORARY OR EXPERIMENTAL DESIGNATION</th>
<th>VARIETY NAME</th>
</tr>
</thead>
<tbody>
<tr>
<td>Limagrain cereal Seeds, LLC, and Univ. of Idaho</td>
<td>UIL 17-6451 CL+</td>
<td>VI Presto CL+</td>
</tr>
</tbody>
</table>

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: ____________________________________________________________________________.
- Please answer all questions for your variety; lack of response may delay progress of your application.

Morphology:

I. PLANT:

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

2. E 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. B Vernalization:
   - ☐ A. Spring
   - ☐ B. Winter
   - ☐ C. Other (Specify) ______________________
### 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:

<table>
<thead>
<tr>
<th>Prostrate</th>
<th>Intermediate</th>
<th>Erect</th>
</tr>
</thead>
</table>

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. **B** Flag Leaf Type:
   - ☐ A. Not Twisted
   - ☐ B. Twisted

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

### II. EAR

1. **152** Ear Emergence (Number of Days)

2. **6** Ear Emergence (Number of Days Earlier than* UI Castle)

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

4. **1** Ear Emergence (Number of Days Later than* UI Magic)

* 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) ________________________

---

Exhibit C (Wheat)

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

1. ________Plant Height Class:
   - A. Semi-Dwarf
   - B. Standard

2. ________Plant Height (cm)

3. ________Plant Height (cm Taller than* UI Magic

4. ________Plant Height (cm Same as* __________________________)

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:

B 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:

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:
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 SHAPE:**
   - Wanting
   - Oblique
   - Rounded
   - Square
   - Elevated
   - Apiculate

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 SHAPE:**
   - Obtuse
   - Acute
   - Acuminate

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

6. ________ Glume Beak Length at Maturity (cm)
   - 0.4

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

8. ________ Glume Beak Width at Maturity (cm)
   - 0.2
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:**
   
   ![Images of seed brush lengths: Short, Medium, Long]

4. ______ Seed Brush Collar:
   
   - **A. Not Collared**
   - **B. Collared**

   **BRUSH SIZE**
   
   ![Images of seed brush sizes: 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:**
   
   ![Images of seed crease widths: 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) ________________________

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. _______ 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

   GERM (EMBRYO) SIZE:

   Small  Mid-sized  Large
IX. DISEASE:

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

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

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

Race: 0

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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

0 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>Insect</th>
<th>Biotypes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stem Sawfly (Cephus spp.)</td>
<td>(Specify)</td>
</tr>
<tr>
<td>Cereal Leaf Beetle (Oulema melanoa)</td>
<td>(Specify)</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) (General)</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>
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<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>
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<tr>
<td>Hessian Fly (Mayetiola destructor) Biotype M</td>
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</tr>
<tr>
<td>Hessian Fly (Mayetiola destructor) Biotype N</td>
<td></td>
</tr>
<tr>
<td>Hessian Fly (Mayetiola destructor) Biotype O</td>
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</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>1</td>
<td>6+8</td>
<td>2+11</td>
</tr>
<tr>
<td>2*</td>
<td>7+8</td>
<td>2+12</td>
</tr>
<tr>
<td>null</td>
<td>7+9</td>
<td>3+12</td>
</tr>
<tr>
<td>1*</td>
<td>13+16</td>
<td>5+10</td>
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<td></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>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>1</td>
<td>1</td>
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<tr>
<td>2</td>
<td>2</td>
<td>2</td>
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</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. Present</td>
<td>1. Present</td>
<td>1. Present</td>
</tr>
</tbody>
</table>

4. End Use Quality:

- Grain Protein
- Flour Protein 11.0
- SDS
- Famiograph
- Other Cookie Diam. 8.7 cm

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

References:


Table 1. Yield of VI Presto CL+ (bu/ac) compared to check varieties LCS Sonic, Norwest Duet, UI Castle and UI Magic in Washington State University Variety Trials during 2019 and 2020 at Almira, WA and Reardan, WA. Mean, %CV and LSD derived from entire data set.

<table>
<thead>
<tr>
<th>Variety</th>
<th>Almira, WA 2019</th>
<th>Reardan, WA 2019</th>
<th>Almira, WA 2020</th>
<th>Reardan, WA 2020</th>
<th>Average</th>
</tr>
</thead>
<tbody>
<tr>
<td>VI Presto CL+</td>
<td>85</td>
<td>99</td>
<td>82</td>
<td>111</td>
<td>94</td>
</tr>
<tr>
<td>LCS Sonic</td>
<td>95</td>
<td>103</td>
<td>78</td>
<td>127</td>
<td>101</td>
</tr>
<tr>
<td>Norwest Duet</td>
<td>90</td>
<td>94</td>
<td>82</td>
<td>122</td>
<td>97</td>
</tr>
<tr>
<td>UI Castle</td>
<td>75</td>
<td>87</td>
<td>74</td>
<td>108</td>
<td>86</td>
</tr>
<tr>
<td>UI Magic</td>
<td>85</td>
<td>88</td>
<td>76</td>
<td>108</td>
<td>89</td>
</tr>
<tr>
<td>Mean</td>
<td>86</td>
<td>96</td>
<td>75</td>
<td>111</td>
<td>92</td>
</tr>
<tr>
<td>%CV</td>
<td>7</td>
<td>6</td>
<td>7</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>LSD</td>
<td>9</td>
<td>8</td>
<td>10</td>
<td>14</td>
<td></td>
</tr>
</tbody>
</table>
Table 2. Grain yield, test weight, protein and agronomic traits for VI Presto 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>Source</th>
<th>Genotype</th>
<th>Heading Date 3-site mean (DOY)</th>
<th>Plant Height 7-site mean (cm)</th>
<th>Lodging Walla Walla, WA (0-9)</th>
<th>Stripe Rust 4-site mean (0-9)</th>
<th>Grain Test Wt. 8-site mean (lb/bu)</th>
<th>Grain Protein 3-site mean (%)</th>
<th>Grain Yield 9-site mean (bu/ac)</th>
<th>9-site rank</th>
</tr>
</thead>
<tbody>
<tr>
<td>LCS</td>
<td>VI Presto CL+</td>
<td>152</td>
<td>99</td>
<td>0</td>
<td>0.4</td>
<td>62.4</td>
<td>11.6</td>
<td>113.0</td>
<td>23</td>
</tr>
<tr>
<td>LCS</td>
<td>VI Voodoo CL+</td>
<td>153</td>
<td>84</td>
<td>0</td>
<td>3.3</td>
<td>60.5</td>
<td>10.4</td>
<td>110.0</td>
<td>28</td>
</tr>
<tr>
<td>LCS</td>
<td>VI Shock</td>
<td>152</td>
<td>94</td>
<td>0</td>
<td>0.9</td>
<td>61.0</td>
<td>10.9</td>
<td>116.0</td>
<td>12</td>
</tr>
<tr>
<td>LCS</td>
<td>LCS Artdeco</td>
<td>150</td>
<td>83</td>
<td>0</td>
<td>1.8</td>
<td>61.5</td>
<td>11.0</td>
<td>113.0</td>
<td>21</td>
</tr>
<tr>
<td>Syngenta</td>
<td>SY Ovation</td>
<td>153</td>
<td>83</td>
<td>0</td>
<td>1.8</td>
<td>61.5</td>
<td>11.0</td>
<td>113.0</td>
<td>21</td>
</tr>
<tr>
<td>UI</td>
<td>UI Magic</td>
<td>151</td>
<td>85</td>
<td>0</td>
<td>9.3</td>
<td>60.4</td>
<td>11.2</td>
<td>91.0</td>
<td>36</td>
</tr>
<tr>
<td>UI</td>
<td>UI Castle</td>
<td>158</td>
<td>97</td>
<td>1</td>
<td>2.4</td>
<td>61.5</td>
<td>11.7</td>
<td>109.0</td>
<td>32</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>Glutenin composition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Break Flour Yield</td>
<td>Protein</td>
</tr>
<tr>
<td>%</td>
<td>%</td>
</tr>
<tr>
<td>VI Presto CL+</td>
<td>78.0</td>
</tr>
<tr>
<td>VI Voodoo CL+</td>
<td>79.0</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 17-6451CL+</td>
<td>VI Presto 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.