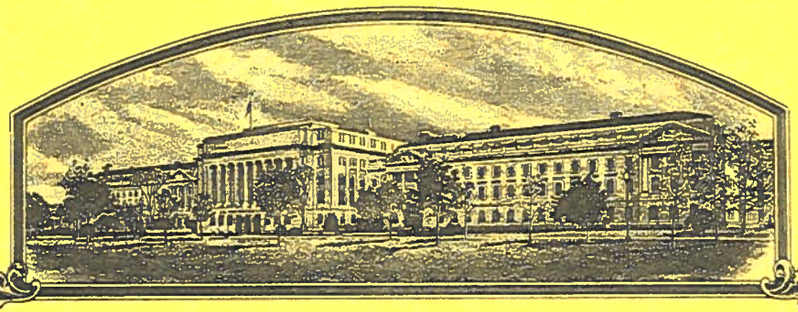

No. 202100361

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 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 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:

Commissioner
Plant Variety Protection Office
Agricultural Marketing Service

Administrator
Agricultural Marketing Service

REPRODUCE LOCALLY. *Include form number and date on all reproductions* — Form Approved - OMB No. 0581-0055

202100361

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
Limagrain Cereal Seeds, LLC, and Univ. of Idaho	UIL 17-6451CL+	VI Presto CL+

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
2040 SE Frontage Road Fort Collins, CO 80525	(970) 498-2200 6. FAX *(include area code)* (970) 498-2207	PVPO NUMBER: 202100361 FILING DATE: 6/16/2021

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
Limited Liability Company; Land-grant University	Delaware	12/21/2009

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:
MAH 9/22/2021 ~~Dr. C. James Peterson~~ Mike Flowers Limagrain Cereal Seeds 2040 SE Frontage Road Fort Collins, CO 80525 Karen Stevenson University of Idaho 875 Perimeter Drive, MS3003 Moscow, ID 83844	(970) 498-2202; (208) 885-4550 12. FAX (Include area code) (970) 498-2207		$ 5,150 DATE 6/16/202 CERTIFICATION FEE: 1 $ Check# 11366 DATE

13. E-MAIL

14. CROP KIND *(Common Name)*	15. GENUS AND SPECIES NAME OF CROP	16. FAMILY NAME *(Botanical)*
Common wheat	Triticum aestivum	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?	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, YOU MUST PROVIDE THE DATE OF FIRST SALE, DISPOSITION, TRANSFER, OR USE FOR EACH COUNTRY AND THE CIRCUMSTANCES. *(Please use space indicated on reverse.)*	■ 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
James Peterson	Karen A Stevenson
NAME *(Please print or type)* Dr. C. James Peterson	NAME *(Please print or type)* Karen A Stevenson
CAPACITY OR TITLE: Vice President of Research DATE: 3/30/21	CAPACITY OR TITLE: Sr Licensing Assoc DATE: 5/4/2021

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

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.

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PVPO NUMBER

1. Name of Owner	2. Temporary Designation or Experimental Name	3. Variety Name
Limagrain Cereal Seeds, LLC, and Univ. of Idaho	UIL 17-6451CL+	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. **

Year	Detail of Stage	Selection Criteria
2013	Initial cross	None
2016	Dihaploid headrow grown in Walla Walla, WA	None
2017	Y1 plots grown in Walla Walla, WA	Grain yield, agronomic type, disease resistance
2018	Replicated trial at 5 locations	Grain yield, agronomic type, disease resistance
2019	Replicated trial at 18 locations Pre-breeder seed production in Walla Walla, WA	Grain yield, agronomic type, disease resistance
2020	Replicated trial at 34 locations Foundation seed production near Parma, ID	Grain yield, yield stability, disease resistance, milling and baking quality

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.

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.***

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PVPO NUMBER

202100361

1. Name of Owner	2. Temporary Designation or Experimental Name	3. Variety Name
Limagrain Cereal Seeds, LLC, and Univ. of Idaho	UIL 17-6451CL+	VI Presto CL+

Based on overall morphology, VI Presto CL+ (*Applicant's new variety*) is most similar to Norwest Duet and UI Palouse (*Most similar comparison variety(ies)*). VI Presto CL+ (*Applicant's new variety*) most clearly differs from Norwest Duet and UI Palouse (*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	VI Presto CL+ Head density - middense Head shape - strap Head curvature - inclined Awnedness - awned Glume shoulder - oblique			
Comparison Variety 1	UI Palouse Head density - dense Head shape - strap Head curvature - erect Awnedness - awnless Glume shoulder - oblique			
Comparison Variety 2	Norwest Duet Head shape - tapering Head curvature - inclined Awnedness - awned Glume shoulder - rounded			
Comparison Variety 3				

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

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

EXHIBIT C

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 17-6451 CL+	VI Presto CL+
LOCATION OF FIELD TRIAL (S) (NEAREST CITY, STATE, COUNTY, AND COUNTRY)		**FOR OFFICIAL USE ONLY:**
Walla Walla, WA, Whitman, USA		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.

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:

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. 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) _____

IV. PLANT HEIGHT:

1. A Plant Height Class:
   - (●) A. Semi-Dwarf
   - ( ) B. Standard
2. 99 Plant Height (cm)
3. 14 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. A Stem Anthocyanin Coloration:
   - (●) A. Absent
   - ( ) B. Present
   - ( ) C. Other (Specify) _____
2. B Stem Waxy Bloom:
   - ( ) A. Absent
   - (●) B. Present
3. A Stem Hairiness (Last Internode of Rachis)
   - (●) A. Absent
   - ( ) B. Present
   - ( ) C. Other (Specify) _____
4. A Internode Type:
   - (●) A. Hollow
   - ( ) B. Semi-Solid
   - ( ) C. Solid
   - ( ) D. Other (Specify) _____

STEM INTERNODE CROSS SECTION:

Hollow Semi-solid Solid

5. 4 Internode: Number of Nodes
6. A Peduncle Type:
   - (●) A. Erect
   - ( ) B. Recurved
   - ( ) C. Semi-Erect
   - ( ) D. Other (Specify) _____
7. 14 Peduncle Length (cm)
8. A Auricle Anthocyanin:
   - (●) A. Absent
   - ( ) B. Present

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V. STEM: (con.)

9. A Auricle Hairiness:

- (●) A. Absent
- ( ) B. Present
- ( ) C. Other (Specify) _____

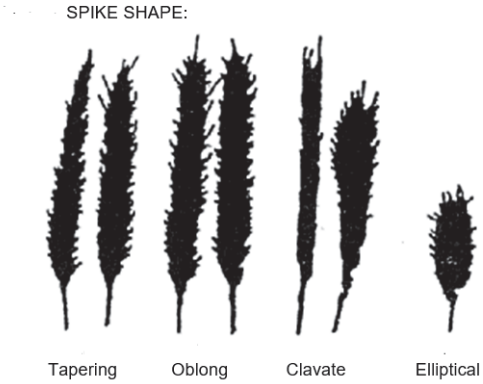
VI. HEAD:

1. B Head Density at Maturity:

- ( ) A. Lax
- (●) B. Middense (Laxidense)
- ( ) C. Dense
- ( ) D. Other (Specify) _____

2. B Head Shape at Maturity:

- ( ) A. Tapering
- (●) B. Strap
- ( ) C. Clavate
- ( ) D. Elliptical
- ( ) E. Other (Specify) _____

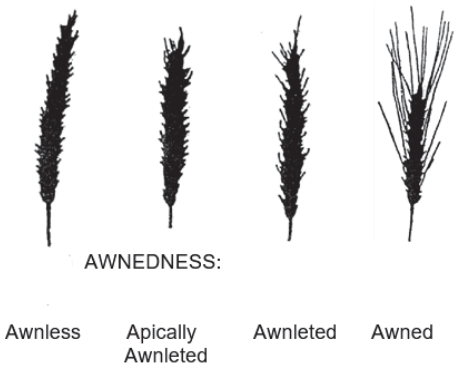


3. C Head Curvature at Maturity:

- ( ) A. Erect
- ( ) B. Erect to Inclined
- (●) C. Inclined
- ( ) D. Inclined to Recurve
- ( ) E. Recurved

4. D Head Awnedness at Maturity:

- ( ) A. Awnless
- ( ) B. Apically Awnletted
- ( ) C. Awnletted
- (●) D. Awned
- ( ) E. Other (Specify) _____



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VII. GLUME:

1. A Glume Color at Maturity:

(●) A. White ( ) B. Tan

( ) C. Other (Specify) _____

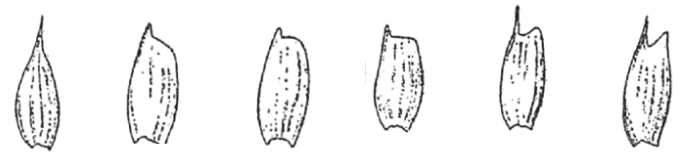
2. B Glume Shoulder at Maturity:

( ) A. Wanting (●) B. Oblique ( ) C. Rounded

( ) D. Square ( ) E. Elevated ( ) F. Apiculate

( ) G. Other (Specify) _____

SHOULDER SHAPE:



Wanting Oblique Rounded Square Elevated Apiculate

3. E Glume Shoulder Width at Maturity:

( ) A. Narrow ( ) B. Narrow to Medium ( ) C. Medium

( ) D. Medium to Wide (●) E. Wide

4. C Glume Beak Shape at Maturity:

( ) A. Obtuse ( ) B. Acute (●) C. Acuminate

( ) D. Other (Specify) _____

BEAK SHAPE:

Obtuse Acute Acuminate

5. C Glume Beak Length at Maturity:

( ) A. Very Short ( ) B. Short (●) C. Medium

( ) D. Long ( ) E. Very Long

6. 0.4 Glume Beak Length at Maturity (cm)

7. E Glume Beak Width:

( ) A. Narrow ( ) B. Narrow to Medium ( ) C. Medium

( ) D. Medium to Wide (●) E. Wide

8. 0.2 Glume Beak Width at Maturity (cm)

VII. GLUME: (con.)

9. B Glume Length at Maturity:

- ○ A. Short (~7mm)
- ◉ B. Medium (~8mm)
- ○ C. Long (~9mm)
- ○ D. Other (Specify) _____

10. B Glume Width at Maturity:

- ○ A. Narrow (~3mm)
- ◉ B. Medium (~3.5mm)
- ○ C. Wide (~4mm)
- ○ D. Other (Specify) _____
- ○ E. Wide

11. A Glume Pubescence at Maturity:

- ◉ A. Not Present
- ○ B. Present

VIII. SEED:

1. A Seed Shape:

- ◉ A. Ovate
- ○ B. Oval
- ○ C. Elliptical
- ○ D. Other (Specify) _____

SEED SHAPE:

Ovate Oval Elliptical

2. A Seed Cheek:

- ◉ A. Rounded
- ○ B. Angular

CHEEK SHAPE:

Rounded Angular

RESET PAGE

VIII. SEED: (con.)

3. C Seed Brush:

- ○ A. Short
- ○ B. Short to Medium
- ◉ C. Medium
- ○ D. Medium to Long
- ○ E. Long

BRUSH HAIR LENGTH:

Short Medium Long

4. A Seed Brush Collar:

- ◉ A. Not Collared
- ○ B. Collared

BRUSH SIZE

Small Midsized Large Collared

5. A 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

RESET PAGE

VIII. SEED: (con.)

6. B Seed Crease Depth:

- ○ A. 20% or Less of Kernel
- ◉ B. 35% or Less of Kernel
- ○ C. 50% or Less of Kernel
- ○ D. Other (Specify) _____

SEED CREASE DEPTH:

Shallow Mid-Deep Deep

7. A Seed Color:

- ◉ A. White
- ○ B. Amber
- ○ C. Red
- ○ D. Other (Specify) _____

8. B 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. 42 Seed Weight (g per 1000 Seeds, Whole Number Only)

11. C Seed Germ Size

- ○ A. Small
- ○ B. Small to Medium
- ◉ C. Medium
- ○ D. Medium to Large
- ○ E. Large

GERM (EMBRYO) SIZE:

Small Midsized Large

RESET PAGE

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)	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: 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:
☐	Other (Specify)	Race:
☐	Other (Specify)	Race:
☐	Other (Specify)	Race:

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

RESET PAGE

X. PESTS:

1. 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 _____

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) _____

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202100361

XI. ADDITIONAL INFORMATION:

1. 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

2. Translocations

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

4 1BL/1RS	4 1A/1R	4 2NS/2AS	4 4DL/4AgS
1 ○	1 ○	1 ○	1 ○
2 ○	2 ○	2 ○	2 ○
3 ○	3 ○	3 ○	3 ○
4 ◉	4 ◉	4 ◉	4 ◉

3. Imidazolinone Herbicide Tolerance:

1 Als-1	1 Als-2	2 Als-3
◉ 1. Present	◉ 1. Present	○ 1. Present
○ 2. Absent	○ 2. Absent	◉ 2. Absent
○ 3. Not Tested	○ 3. Not Tested	○ 3. Not Tested

4. End Use Quality:

Grain Protein _____

Flour Protein 11.0

SDS _____

Farniograph _____

Other Cookie Diam. 8.7 cm

[PLEASE ENTER ADDITIONAL VARIETY TRAITS ON NEXT PAGE]

XII. COMMENTS:

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.

(b) W.E. Walls. 1965. A Standardized Phenol Method for Testing Wheat Seeds for Varietal Purity. Contribution No. 28 to the handbook of seed testing prepared by the Association of Official Seed Analysts.

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.

Variety	Almira, WA 2019	Reardan, WA 2019	Almira, WA 2020	Reardan, WA 2020	Average
VI Presto CL+	85	99	82	111	94
LCS Sonic	95	103	78	127	101
Norwest Duet	90	94	82	122	97
UI Castle	75	87	74	108	86
UI Magic	85	88	76	108	89
Mean	86	96	75	111	92
%CV	7	6	7	6	
LSD	9	8	10	14	

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.

2020 LCS IYT Yield Trial		Agronomic Traits				Grain Test Wt.	Grain Protein	Grain Yield	
Source	Genotype	Heading Date 3-site mean (DOY)	Plant Height 7-site mean (cm)	Lodging Walla Walla, WA (0-9)	Stripe Rust 4-site mean (0-9)	8 -site mean (lb/bu)	3 -site mean (%)	9-site mean (bu/ac)	9-site rank
LCS	VI Presto CL+	152	99	0	0.4	62.4	11.6	113.0	23
LCS	VI Voodoo CL+	153	84	0	3.3	60.6	10.4	110.0	28
LCS	VI Shock	152	94	0	0.9	61.0	10.9	116.0	12
LCS	LCS Artdeco	150	83	0	1.9	60.9	10.2	109.0	31
Syngenta	SY Ovation	153	94	0	1.8	61.6	11.0	113.0	21
UI	UI Magic	151	85	0	9.3	60.4	11.2	91.0	36
UI	UI Castle	158	97	1	2.4	61.5	11.7	109.0	32

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

	Flour analyses			Glutenin composition		
	Break Flour Yield	Protein	Cookie Diameter	GluA1_m1	GluB1_m1	GluD1_m1
	%	%	cm			
VI Presto CL+	78.0	11.0	8.7	Null	7 + 9	2 + 12
VI Voodoo CL+	79.0	10.0	8.9	2*	7 + 9	5 + 10
VI Shock	79.0	9.0	8.8	2*	7 + 9	2 + 12
UI Magic	77.0	10.0	8.8	2*	7 + 9	2 + 12
LCS Artdeco	76.0	8.0	8.7	2*	7 + 9	5 + 10

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

202100361

1. Name of Owner	2. Temporary Designation or Experimental Name	3. Variety Name
Limagrain Cereal Seeds, LLC, and Univ. of Idaho	UIL 17-6451CL+	VI Presto CL+

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.