Wheat
Variety Name: LCS Aries
Experimental Designation: LCH20-2026
Varietal Type: Pure Line
Variety Owner/Developer: Limagrain Cereal Seeds

1. Provide a brief summary statement of the selection criteria and breeding procedures.
   In 2019 the line was derived from headrows and selected for yield, stability, and disease resistance. In the 2020-12 year the line entered Y2 trials and was again selected for yield, stability and disease resistance. The same selections were made in the 2021-22 year for its Y3 trial. In 2022-23 the line entered Y4 trials, as well as breeder seed headrows selecting for yield, phenotypic stability, and disease resistance. In 2023-24 the line was put into foundation seed production and also screened for yield, stability and disease resistance.

2. Provide a statement regarding the probable area of adaptation.
   LCS Aries is bred and adapted for the Central Plains region of the United States.
3. Provide a statement relative to the variety's disease and insect resistance. (If there are no claims to be made about disease and/or insect resistance, enter "No claims are made about pest resistance.").
   No claims are made about pest resistance.

4. **Variety Objective Description** – Select one from each of the drop-down menus.

4.1 Kind: Common If Common: Hard Red	4.14 Awn Type: Awned
4.2 Seasonal Growth Habit: Winter	4.15 Awn Color: Tan
4.3 Coleoptile Color: White	4.16 Glume Color: Tan
4.4 Juvenile Growth Habit: Erect	4.17 Glume Length: Short to Medium
4.5 Leaf Color at Boot: Blue-Green	4.18 Shoulder Shape: Oblique
4.6 Flag Leaf Orientation: Recurved Type: Glaucosity: Non Waxy	4.19 Shoulder Width: Medium
4.7 Auricle Color: White	4.20 Beak Shape: Acuminate
4.8 Anther Color: Yellow	4.21 Beak Length: Short to Medium
4.9 Stem Anthocyanin: Absent	4.22 Glume Pubescence: Absent
4.10 Stem Internodes: Semi Solid to Solid	4.23 Seed Color: Amber
4.11 Spike Shape: Tapering	4.24 Seed Shape: Ovate
4.12 Spike Density: Mid-Dense	4.25 Cheeks: Rounded
4.13 Spike Curvature: Erect	4.26 Brush Size: Medium
4.27 Physiological/Biochemical Traits: N/A	
4.28 Variants and Frequency: Tall 1/1000. Awnless 1/1000, Bronze/Red Glume 1/1000. 0.75% white wheat seeds.	

5. Select the classes of certified seed that will be recognized (select all applicable).
Breeder ☒ Foundation ☒ Registered ☒ Certified ☒

6. Provide a statement identifying the party responsible for maintaining the variety and procedures for maintaining seed stocks, with limitations, if any. Recognized seed classes will be Breeder, Foundation, Registered, and Certified. Registered and Certified seed may be produced and sold only through a license agreement with Limagrain Cereal Seeds. LCS will maintain Breeder and Foundation seed by rogueing and removal of off-types in bulk seedings and headrowing if necessary

7. If applicable, state whether the variety may be subject to collection of royalties by certifying agencies. No

8. If applicable, state whether specific tests for trait verification (e.g., molecular marker testing or herbicide trait bioassay testing) are required for seed certification. The use of the Additional Certification Requirements is suggested.

No

9. Will an application be made for protection under the Plant Variety Protection Act?
Yes

10. Will the PVP application include the Certification Option requiring seed to be sold only as a class of certified seed by variety name only (Title V)? No

11. Will the variety be protected by utility or plant patents? No

12. Will variety be marketed under a Limited Use License Agreement prohibiting the use of saved seed or other restrictions? No

Please Specify:

13. The anticipated date certified seed will be first offered for sale: Fall 2024

14. Certified seed production acreage may be published by AOSCA and individual certifying agencies.
No