Wheat
Variety Name: LCS Mojo
Experimental Designation: LCH21-9398
Varietal Type: Pure Line
Variety Owner/Developer: Limagrain Cereal Seeds, LLC

1. Provide a brief summary statement of the selection criteria and breeding procedures.
   The pedigree of LCH21-9398 is SY Monument / Joe. The pedigree of SY Monument is BC991149-11 / 00x0090-4 and the pedigree of Joe is KS04HW101-3 / KS04HW119-3. The initial cross was made in Wichita in January 2018. Twenty-three F1 seed were sent to the Limagrain Double Haploid lab in Rilland, Netherlands in March 2018. DH lines were received and planted as individual headrows in Wichita, KS in October 2019. LCH21-9398 was derived from the single headrow number 584 harvested in June 2020. It was advanced to the Y1 trial in 2021. It was evaluated in yield trials in 2021, 2022 and 2023. Breeder Seed purification headrows were produced in 2023. Evaluations were made based on yield, stability, and disease resistance.
2. Provide a statement regarding the probable area of adaptation.
   LCS Mojo 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: Medium
4.5 Leaf Color at Boot: Blue-Green	4.18 Shoulder Shape: Oblique
4.6 Flag Leaf Orientation: Recurved Type: Twisted Glaucosity: 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: Long
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: Tapered	4.24 Seed Shape: Oval
4.12 Spike Density: Mid Dense to 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: LCS Mojo may contain up to 1 per 1000 taller plants, up to 2 spike lengths above the main canopy, and up to 1 per 1000 awnless plants. Seed of LCS Mojo may contain up to 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