Wheat

6035BR09-01 (Exp)

1. 6035BR09-01 is a soft red winter wheat developed by Corteva Agriscience.

2. The cultivar 6035BR09-01 was bred and selected using a modified pedigree selection method for the following characteristics in the field environment: disease resistance, plant type, plant height, head type, straw strength, maturity, grain yield, test weight.

3. 6035BR09-01 has shown best adaptation to the southern soft wheat growing regions of the U.S. based on yield trials conducted in Illinois, Indiana, Missouri, Kentucky, and Tennessee.

4. 6035BR09-01 is moderately resistant to fusarium head based on two years of data from multiple locations. It has shown resistance to Hessian fly and soilborne mosaic virus and being moderately susceptible to leaf rust based on a single year of data.

5. Identifying characteristics –

1. Kind:	Common, Soft Red Winter Wheat		
2. Seasonal Growth Habit:	Winter	16. Awn Type:	Awned
3. Coleoptile Color:	Red	17. Awn Color:	Tan
4. Juvenile Growth Habit:	Semi-Erect	18. Glume Color:	Tan
5. Leaf Color at Boot:	Green	19. Glume Length:	Medium
6. Flag Leaf at Boot:	Re-curved / Not-Twisted/ Not Waxed	20. Shoulder Shape:	Wanting
7. Auricle Color:	Purple	21. Shoulder Width:	Medium
8. Day(s) to 50% Heading:	131	22. Beak Shape:	Acuminate
9. Anther Color:	Yellow	23. Beak Length (S,M,L,VL):	Short
10. Anthoncyanin:	Present	24. Glume Pubescence:	Absent
11. Plant Height (cm):	86	25. Seed Color	Red
12. Internodes:	Hollow	26. Seed Shape:	Ovate
13. Spike Shape:	Tapering	27. Cheeks:	Rounded
14. Spike Density:	Mid-dense	28. Brush Size (S,M,L.):	Medium
15. Spike Curvature:	Inclined	29. Avg 1,000 Kernel Wt (grams):	35

30. Physiological/biochemical Traits: Phenol color – dark brown

Variants and frequency: Awnless and/or taller plants may occur at a frequency up to 0.1% (10/10,000).

6. Breeder, foundation, and registered seed classes will be maintained and controlled by the Corteva Agriscience Integrated Operations department. Foundation seed will initially be produced from breeders' seed, and thereafter foundation seed will be produced from foundation seed: maintaining the specific identity and purity of the variety as released. Registered seed will be grown from foundation or breeder seed and maintained at a purity level satisfactory to Corteva Agriscience Integrated Operations or the appropriate certifying agency. No royalty fees or licensing agreements are anticipated.

7. Certified seed of 6035BR09-01 will potentially first be offered for sale in the fall of 2022.

8. Plant variety protection application is anticipated in 2021 and the certification option will not be elected.

9. Certified acreage is not to be published by AOSCA and certifying agencies.

Date this application was submitted: Jan 6, 2021 Date recommended by the VRB: May 18, 2021