Wheat

9447004
XB4712 (Exp)

1. 9447004 (XB4712) is a hard red winter wheat developed by Bayer Crop Science.

2. In early generations of 9447004, single spikes were selected based on agronomics and disease resistance. Later generations were selected based on yield, quality, and disease resistance.

3. 9447004 is adapted to the hard red winter wheat growing regions of the Central Plains.

4. No claims about disease resistance are made at this time.

5. Identifying characteristics –

1. Kind:	Common, Hard Red Winter Wheat		
2. Seasonal Growth Habit:	Winter	16. Awn Type:	Awned
3. Coleoptile Color:	White	17. Awn Color:	White
4. Juvenile Growth Habit:	Erect	18. Glume Color:	White
5. Leaf Color at Boot:	Blue-Green	19. Glume Length:	Short
6. Flag Leaf at Boot:	Erect, Twisted, Wax Present	20. Shoulder Shape:	Rounded
7. Auricle Color:	White	21. Shoulder Width:	Narrow
8. Day(s) to 50% Heading:	174	22. Beak Shape:	Acuminate
9. Anther Color:	Yellow	23. Beak Length (S,M,L,VL):	Medium (M)
10. Anthoncyanin:	Absent	24. Glume Pubescence:	Absent (Glabrous)
11. Plant Height (cm):	76	25. Seed Color	Red
12. Internodes:	Hollow	26. Seed Shape:	Ovate
13. Spike Shape:	Tapering	27. Cheeks:	Rounded
14. Spike Density:	Lax	28. Brush Size (S,M,L.):	Medium (M)
15. Spike Curvature:	Inclined	29. Avg 1,000 Kernel Wt (grams):	48.5

30. Physiological/Biochemical Traits:

Variants and Frequency: A variant that is similar to 9447004 but has white seed occurs at a frequency of up to 0.50% (50 out 10,000 seeds). A variant that is similar to 9447004 but is 15cm to 20cm taller occurs at a frequency of up to 0.2% (20/10,000). A bronze head variant may occur at a frequency of 0.1% (10/10,000). An awnless variant may occur at a frequency of 0.1% (10/10,000).

6. Recognized classes of 9447004 are breeder, foundation, registered, and certified. Bayer Crop Science will maintain the variety by the head-row purification method to produce breeder seed as needed and all foundation seed. Royalty fees and/ or licensing agreements are anticipated.

7. Commercial seed will likely be ready for sale by the fall of 2020.

8. Application for PVP is anticipated with the option that 9447004 can be sold by variety name only as a class of certified seed.

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 Certified seed production acreage is not to be published by AOSCA and individual certifying agencies.

Date this application was submitted: Jan 08, 2020 Date recommended by the VRB: May 18, 2020