# Wheat

## Variety Name: N/A

**Experimental Designation:** XG9231

**Varietal Type:** ☒ Pure Line ☐ Maintainer ☐ Restorer

1. XG9231 is a Hard Red Spring Wheat developed by Bayer Crop Science.
2. In early generations of XG9231, single spikes were selected based on agronomics and disease resistance. Later generations were selected based on yield, quality, and disease resistance.
3. XG9231 is adapted to Hard Red Spring growing regions of the Northern Plains.
4. No claims are made about pest resistance.
5. **Variety Objective Description**

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|---|---|---|---|
| 1. Kind: | Common, Hard Red | 14. Awn Type: | Awned |
| 2. Seasonal Growth Habit: | Spring | 15. Awn Color: | White |
| 3. Coleoptile Color: | White | 16. Glume Color: | White/Amber |
| 4. Juvenile Growth Habit: | Prostrate | 17. Glume Length: | Medium |
| 5. Leaf Color at Boot: | Green | 18. Shoulder Shape: | Square |
| 6. Flag Leaf at Boot: | Re-curved, Not-Twisted, Waxed | 19. Shoulder Width: | Wide |
| 7. Auricle Color: | White | 20. Beak Shape: | Acuminate |
| 8. Anther Color: | Yellow | 21. Beak Length: | Long |
| 9. Stem Anthocyanin: | Absent | 22. Glume Pubescence: | Absent (glabrous) |
| 10. Stem Internodes: | Hollow | 23. Seed Color | Red |
| 11. Spike Shape: | Tapering | 24. Seed Shape: | Ovate |
| 12. Spike Density: | Mid Dense | 25. Cheeks: | Rounded |
| 13. Spike Curvature: | Inclined | 26. Brush Size: | Medium |
| 27. Physiological/Biochemical Traits: Click or tap here to enter text. | | | |
| 28. Variants and Frequency: A variant that is similar to XG9231 but has white seed occurs at a frequency of up to 0.50% (50 out 10,000 seeds). A variant that is similar to XG9231 but is 15cm to 20cm taller occurs at a frequency of up to 0.2% (20/10,000). A tan/bronze head variant may occur at a frequency of .1% (10/10,000). An awnless variant may occur at a frequency of .1% (10/10,000). | | | |

| **Comparison to Check Variety** | | Name of check variety: WB9590 | | |
|---|---|---|---|---|
| 29. Days to 50% Heading: | 55 | which is | 2 | days later than check |
| 30. Plant height (cm): | 66 | which is | 3 | cm taller than check. |
| 31. Avg 1,000 kernel wt (g): | 40 | which is | 7 | g heavier than check. |

6. Recognized classes of XG9231 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 foundation seed. Royalty fees and/ or licensing agreements are anticipated.
7. Commercial seed will likely be ready for sale by the spring of 2025.
8. Application for PVP is anticipated without the option that XG9231 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.