

## WB9229 (SJ907-229)

1. WB9229 is a hard red spring wheat bred and developed by WestBred, a unit of Monsanto Company.
2. WB9229 was selected for resistance to stripe rust and high protein using a modified bulk breeding method.
3. WB9229 is adapted to the wheat growing areas of the Central Valleys of California. The primary use will be for flour to make raised loaf bread.
4. WB9229 is resistant to the current field races of stripe rust in California.
5. Identifying characteristics – insert the descriptive term from the Objective Description except where indicated:

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| 1. <u>Kind: Common Hard Red</u>        | 2. <u>Seasonal growth habit: Spring</u>           |
| 3. <u>Coleoptile color: White</u>      | 4. <u>Juvenile growth habit: Erect</u>            |
| 5. <u>Leaf color at boot: Green</u>    | 6. <u>Flag leaf at boot: Erect, twisted, waxy</u> |
| 7. <u>Auricle color: White</u>         | 8. <u>Days to 50% heading: 88</u>                 |
| 9. <u>Anther color: Yellow</u>         | 10. <u>Stem color: White</u>                      |
| 11. <u>Plant height (cm): 92</u>       | 12. <u>Internodes: Hollow</u>                     |
| 13. <u>Spike shape: Tapering</u>       | 14. <u>Spike density: Lax</u>                     |
| 15. <u>Spike curvature: Inclined</u>   | 16. <u>Awn type: Awned</u>                        |
| 17. <u>Awn color: White</u>            | 18. <u>Glume color: White/Amber</u>               |
| 19. <u>Glume length: Long</u>          | 20. <u>Shoulder shape: Oblique</u>                |
| 21. <u>Shoulder width: Wide</u>        | 22. <u>Beak shape: Acuminate</u>                  |
| 23. <u>Beak length (S, M, L, VL):M</u> | 24. <u>Glume pubescence: Present</u>              |
| 25. <u>Seed color: Red</u>             | 26. <u>Seed shape: Elliptical</u>                 |
| 27. <u>Cheeks: Rounded</u>             | 28. <u>Brush size (S,M, L): L</u>                 |
| 29. <u>Avg 1,000 kernel wt (g): 39</u> | 30. <u>Phenol reaction: Dark Brown</u>            |
- Physiological/biochemical traits:

Variants and frequency: WB9229 has been observed for three generations of reproduction and increase and is stable and uniform. WB9229 has a taller variant that is 12-30 cm taller that occurs at a frequency of up to .2%. A white seed variant occurs at a frequency of up to .2%. The variants are otherwise identical in all other characteristics as described in the Objective descriptions.

6. The certified classes of seed to be recognized are Breeder, Foundation, Registered and Certified. WestBred, a unit of Monsanto Company, will maintain the breeder seed by planting spike rows as needed. Monsanto Company will produce all foundation seed either from breeder seed or foundation class seed. Production of registered and certified seed will be by license to associate seed companies. A royalty fee will be collected on all registered and certified seed sales.
7. Certified seed will first be offered for sale in the fall of 2012.
8. Plant Variety Protection will be applied for and the 'Certification Option' will not be elected.
9. Certified acreage is not to be published by AOSCA and certifying agencies

