

April 2014

WB7618 (DA907-047)

1. WB7618 (Experimental code, DA907-047) is a hard white spring wheat variety developed by WestBred, a Unit of Monsanto
2. WB7618 was selected for white seed, stripe rust resistance and good milling and baking qualities and developed to be alternative variety to Cristallo in California.
3. WB7618 is adapted to wheat production areas of Sacramento Valley in California. The primary end use its flour is to make raised loaf bread.
4. No claims are made in this application relative to disease reactions.
5. Identifying characteristics – insert the descriptive term from the Objective Description (pages 3-5) except where indicated:

1. Kind:	<u>Common</u>	<u>Hard white wheat</u>	
2. Seasonal Growth Habit:	<u>Spring</u>	16. Awn Type:	<u>Awned</u>
3. Coleoptile Color:	<u>White</u>	17. Awn Color:	<u>White</u>
4. Juvenile Growth Habit:	<u>Erect</u>	18. Glume Color:	<u>White</u>
5. Leaf Color at Boot:	<u>Green</u>	19. Glume Length:	<u>Medium</u>
6. Flag Leaf at Boot:	<u>Erect, not twisted waxy</u>	20. Shoulder Shape:	<u>Wanting</u>
7. Auricle Color:	<u>White</u>	21. Shoulder Width:	<u>Narrow</u>
8. Days to 50% Heading:	<u>88</u>	22. Beak Shape:	<u>Acute</u>
9. Anther Color:	<u>Yellow</u>	23. Beak Length:	<u>Medium</u>
10. Stem Color:	<u>No anthocyanin</u>	24. Glume Pubescence:	<u>Glabrous</u>
11. Plant Height (cm):	<u>90</u>	25. Seed Color:	<u>White</u>
12. Internodes:	<u>Hollow</u>	26. Seed Shape:	<u>Elliptical</u>
13. Spike Shape:	<u>Oblong (Strap)</u>	27. Cheeks:	<u>Rounded</u>
14. Spike Density:	<u>Lax</u>	28. Brush Size (S,M,L.):	<u>Medium</u>
15. Spike Curvature:	<u>Inclined</u>	29. Avg 1,000 Kernel Wt (g):	<u>34.4</u>
30. Physiological/biochemical Traits:	<u>n/a</u>		

Variants and frequency: A tall variant that is 15cm to 30 cm taller than WB7618 occurs at a frequency of up to .2%. Otherwise, WB7618 is a stable and uniform variety in appearance and performance across several generations (F6-F10) and growing conditions.

6. The certified classes of seed to be recognized are Breeder, Foundation, Registered, and Certified. WestBred, a unit of Monsanto, 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 be offered for sale in the Fall 2014.
8. Plant Variety Protection will be applied for and the "Certification Option" was not selected.
9. Certified seed production acreage is not to be published by AOSCA and individual certifying agencies.

Date this application was submitted: Jan 15, 2014

Date recommended by the NVRB: Apr 01, 2014

