

# Wheat

## WB7328

1. WB7328 is a hard white spring wheat developed by the Monsanto LLC.
2. In early generations of WB7328, single spikes were selected based on agronomics and disease resistance. Later generations were selected based on yield, quality, and disease resistance.
3. WB7328 is adapted to the hard spring wheat growing regions of the Pacific Northwest, including parts of Washington, Oregon, and Idaho.
4. Preliminary data indicates that WB7328 may be moderately resistant Stripe Rust.
5. Identifying characteristics – insert the descriptive term from the Objective Description (pages 3-5) except where indicated:

1. Kind:	Hard White Spring		
If common, provide appropriate kernel characteristic: (Hard Red, Soft Red, Hard White, Soft White)			
2. Seasonal Growth Habit:	Spring	16. Awn Type:	Awne
3. Coleoptile Color:	White	17. Awn Color:	White
4. Juvenile Growth Habit:	Semi-Erect	18. Glume Color:	White
5. Leaf Color at Boot:	Green	19. Glume Length:	Medium
6. Flag Leaf at Boot:	Erect, Waxy	20. Shoulder Shape:	Square
7. Auricle Color:	Purple	21. Shoulder Width:	Medium
8. Days to 50% Heading:	180 (Julian)	22. Beak Shape:	Acuminate
9. Anther Color:	Yellow	23. Beak Length (S.M.L.VL):	Medium
10. Anthocyanin:	Absent	24. Glume Pubescence:	Absent
11. Plant Height (cm):	73.7	25. Seed Color:	White
12. Internodes:	Semi-Solid	26. Seed Shape:	Ovate
13. Spike Shape:	Tapering	27. Cheeks:	Angular
14. Spike Density:	Lax	28. Brush Size (S,M,L.):	Medium
15. Spike Curvature:	Erect	29. Avg 1,000 Kernel Wt (g):	33

### 30. Physiological/biochemical Traits:

Variants and frequency: A variant similar to WB7328 but is 10-15 cm taller occurs at a frequency of .2% (20 plants per 10,000). A red seed variant may occur at a frequency of up to .5% (50 seeds per 10,000). An awnless variant may occur at a frequency of .02% (2 plant per 10,000). A bronze head variant may occur at a frequency of .02% (2/10,000).

6. Recognized classes of WB7328 are breeder, foundation, registered, and certified. Monsanto Company 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 of WB7328 will likely be ready for commercial sale by the spring of 2016.
8. Application for a Utility Patent and PVP is anticipated for WB7328 and the Title V option will not be taken.
9. Application of certified seed production acreage cannot be published.

Date this application was submitted: Jan 10, 2015

Date recommended by the VRB: May 04, 2015

