

Wheat

WB1783 BZ6W09-471 (Exp)

1. WB1783 is a Soft White Winter wheat developed by the Monsanto LLC.
2. In early generations of WB1783, single spikes were selected based on agronomics and disease resistance. Later generations were selected based on yield, quality, and disease resistance.
3. WB1783 is adapted to the Soft White Winter wheat growing regions of the Pacific Northwest.
4. No claims about disease resistance are made at this time.
5. Identifying characteristics – insert the descriptive term from the Objective Description (pages 3-5) except where indicated:

1. Kind:	Common, Soft White Winter Wheat		
	If common, provide appropriate kernel characteristic: (Hard Red, Soft Red, Hard White, Soft White)		
2. Seasonal Growth Habit:	Winter	16. Awn Type:	Awned
3. Coleoptile Color:	White	17. Awn Color:	White
4. Juvenile Growth Habit:	Semi-erect	18. Glume Color:	White/Amber
5. Leaf Color at Boot:	Green	19. Glume Length:	Long
6. Flag Leaf at Boot:	Erect, Twisted, Wax	20. Shoulder Shape:	Oblique
7. Auricle Color:	Purple	21. Shoulder Width:	Narrow
8. Day(s) to 50% Heading:	184	22. Beak Shape:	Acuminate
9. Anther Color:	Yellow	23. Beak Length (S.M.L.VL):	L
10. Anthocyanin:	Absent	24. Glume Pubescence:	Absent (Glabrous)
11. Plant Height (cm):	91.44	25. Seed Color:	White
12. Internodes:	Semi-solid	26. Seed Shape:	Oval
13. Spike Shape:	Tapering	27. Cheeks:	Rounded
14. Spike Density:	Lax	28. Brush Size (S,M,L.):	L
15. Spike Curvature:	Nodding	29. Avg 1,000 Kernel Wt (g):	38

30. Physiological/biochemical Traits:

Variants and frequency: A variant that is similar to WB1783 but has red seed occurs at a frequency of up to .25% (25 out 10,000 seeds). A variant that is similar to WB1783 but is 15cm to 20cm taller occurs at a frequency of up to .2% (20/10,000). A 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).

6. Recognized classes of WB1783 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 WB1783 will likely be ready for commercial sale by the fall of 2018.
8. Application for a Utility Patent and PVP is anticipated for WB1783 and the option for Title V will not be taken.
9. Certified seed production acreage is not to be published by AOSCA and individual certifying agencies.

Date this application was submitted: Jan 20, 2017

Date recommended by the VRB: Apr 25, 2017

