

Wheat

WB9578 Y9A12-0004 (Exp)

1. WB9578 is a Hard Red Spring wheat developed by the Monsanto LLC.
2. In early generations of WB9578, single spikes were selected based on agronomics and disease resistance. Later generations were selected based on yield, quality, and disease resistance.
3. WB9578 is adapted to the Hard Red Spring wheat growing regions of California and 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, Hard Red Spring Wheat

If common, provide appropriate kernel characteristic: (Hard Red, Soft Red, Hard White, Soft White)

2. Seasonal Growth Habit:	<u>Spring</u>	16. Awn Type:	<u>Awned</u>
3. Coleoptile Color:	<u>White</u>	17. Awn Color:	<u>Black</u>
4. Juvenile Growth Habit:	<u>Semi-erect</u>	18. Glume Color:	<u>White/Amber</u>
5. Leaf Color at Boot:	<u>Green</u>	19. Glume Length:	<u>Long</u>
6. Flag Leaf at Boot:	<u>Recurved, Twisted, Wax</u>	20. Shoulder Shape:	<u>Apiculate</u>
7. Auricle Color:	<u>Purple</u>	21. Shoulder Width:	<u>Narrow</u>
8. Day(s) to 50% Heading:	<u>71</u>	22. Beak Shape:	<u>Acuminate</u>
9. Anther Color:	<u>Yellow</u>	23. Beak Length (S.M.L.VL):	<u>L</u>
10. Anthocyanin:	<u>Present</u>	24. Glume Pubescence:	<u>Absent (Glabrous)</u>
11. Plant Height (cm):	<u>58.42</u>	25. Seed Color:	<u>Red</u>
12. Internodes:	<u>Semi-solid</u>	26. Seed Shape:	<u>Ovate</u>
13. Spike Shape:	<u>Tapering</u>	27. Cheeks:	<u>Angular</u>
14. Spike Density:	<u>Mid Dense</u>	28. Brush Size (S,M,L.):	<u>Short</u>
15. Spike Curvature:	<u>Erect</u>	29. Avg 1,000 Kernel Wt (g):	<u>48.5</u>

30. Physiological/biochemical Traits:

Variants and frequency: A variant that is similar to WB9578 but has white seed occurs at a frequency of up to .25% (25 out 10,000 seeds). A variant that is similar to WB9578 but is 15cm to 20cm taller occurs at a frequency of up to .2% (20/10,000). A white 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 WB9578 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 WB9578 will likely be ready for commercial sale by the fall of 2018.
8. Application for a Utility Patent and PVP is anticipated for WB9578 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

