

Wheat

SY Basalt

(Amended – Correction to Description in Original Application)

1. SY Basalt is a hard red spring wheat bred and developed by Syngenta Seeds, Inc
2. SY Basalt is the result of a cross made in 2001 by Syngenta Seeds, Inc. in Woodland, CA. SY Basalt was selected for height, good yield performance and absence of stripe rust.
3. SY Basalt is best adapted to the spring wheat growing areas in the Basin of Washington.
4. SY Basalt has medium maturity.

5. Identifying characteristics – insert the descriptive term from the Objective Description (pages 3-5) except where indicated:

1. Kind:	<u>Hard Red</u>		
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>White</u>
4. Juvenile Growth Habit:	<u>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>Erect, twisted, wax absent</u>	20. Shoulder Shape:	<u>Oblique</u>
7. Auricle Color:	<u>White</u>	21. Shoulder Width:	<u>Medium</u>
8. Days to 50% Heading:	<u>163</u>	22. Beak Shape:	<u>Acuminate</u>
9. Anther Color:	<u>Yellow</u>	23. Beak Length (S.M.L.VL):	<u>M</u>
10. Stem Color:	<u>Anthocyanin absent</u>	24. Glume Pubescence:	<u>Absent</u>
11. Plant Height (cm):	<u>84</u>	25. Seed Color:	<u>Red</u>
12. Internodes:	<u>Hollow</u>	26. Seed Shape:	<u>Ovate</u>
13. Spike Shape:	<u>Tapering</u>	27. Cheeks:	<u>Rounded</u>
14. Spike Density:	<u>Mid dense</u>	28. Brush Size (S,M,L):	<u>M</u>
15. Spike Curvature:	<u>Erect</u>	29. Avg 1,000 Kernel Wt (g):	<u>38</u>

30. Physiological/biochemical Traits:

Variants and frequency: Less than 0.1% of the plants were rogued from the Breeder and Foundation seed increases. Fifty percent of the variant plants were taller height wheat plants (5 to 10 cm). Twenty-five percent of the variants were later maturity (2 to 3 days) and a white seeded variant of approximately 0.5% has also been identified in the Foundation seed production. Up to 1.0% variant plants may be encountered in subsequent generations.

6. Syngenta Seeds, Inc. maintains seed stock and certified classes of Foundation, Registered and Certified. Syngenta Seeds, Inc. will maintain the variety by the head row method to produce breeder seed if needed.
7. Certified seed will be available in the spring of 2015.
8. Plant Variety Protection is anticipated in 2014 and SY Basalt may only be sold as a class of certified seed.
9. Certified acreage is not to be published by AOSCA and certifying agencies.

Variety Name SY Basalt

Experimental Designation(s) 04W40240R

Date NA&MLVRB first accepted this variety April 04, 2014

Date(s) previous amendments were accepted N/A

Date amendment submitted June 30, 2014

Date recommended by the NVRB August 06, 2014

