

Wheat

SY Raptor 09PN046#16 (Exp)

1. SY Raptor is a soft white winter wheat developed by Syngenta Seeds, Inc.
2. SY Raptor was selected for maturity, plant height uniformity, disease reaction and satisfactory preliminary quality screen.
3. SY Raptor is primarily adapted to irrigated production in Washington, Oregon, and Idaho. It may also have a fit in the high to moderate rainfall dryland production of Southern and Central Washington and Northern Oregon.
4. SY Raptor has shown above average tolerance to current races of stripe rust in the testing area.
5. Identifying characteristics – insert the descriptive term from the Objective Description (pages 4-6) 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:	Erect	18. Glume Color:	White
5. Leaf Color at Boot:	Green	19. Glume Length:	Long
6. Flag Leaf at Boot:	Erect, Twisted, Wax Present	20. Shoulder Shape:	Wanting
7. Auricle Color:	White	21. Shoulder Width:	Narrow
8. Day(s) to 50% Heading:	140	22. Beak Shape:	Acuminate
9. Anther Color:	Yellow	23. Beak Length (S.M.L.VL):	Medium
10. Anthocyanin:	Absent	24. Glume Pubescence:	Present
11. Plant Height (cm):	90	25. Seed Color:	White
12. Internodes:	Hollow	26. Seed Shape:	Ovate
13. Spike Shape:	Tapering	27. Cheeks:	Rounded
14. Spike Density:	Mid-dense	28. Brush Size (S,M,L):	Short
15. Spike Curvature:	Inclined	29. Avg 1,000 Kernel Wt (g):	51

30. Physiological/biochemical Traits:

Variants and frequency: Less than 0.3% of plants were rogued from the Breeder Seed increase. Ninety-five percent of the variant plants were taller (8 to 10 cm). Ten percent of the variants were awnless as opposed to the predominant awned typed. Up to 0.1% variant plants may be encountered in subsequent generations. Up to 0.3% red seed may be encountered in all classes of certified production.

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/progeny method to produce breeder seed as needed. Royalty fees are anticipated.
7. Certified seed will likely be available Fall of 2017.
8. Plant Variety Protection is anticipated in 2017 and SY Raptor may only be sold as a class of certified seed.
9. Certified acreage is not to be published by AOSCA and certifying agencies.

Date this application was submitted: Jan 10, 2017

Date recommended by the VRB: Apr 25, 2017

