

Wheat

SY COHO/ 04W40292R (Exp)

1. 04W40292R is a hard red spring common wheat bred and developed by Syngenta Seeds.
2. 04W40292R was selected on yield, test weight, disease reaction and end use quality.
3. 04W40292R was tested in the spring wheat growing areas of the Pacific Northwest and was determined to be adapted to this area.
4. 04W40292R has a MR (moderately resistant) reaction to current strains of strip rust.
5. Identifying characteristics – insert the descriptive term from the Objective Description (pages 3-5) except where indicated:

1. Kind:	Hard Red Spring		
	If common, provide appropriate kernel characteristic: (Hard Red, Soft Red, Hard White, Soft White)		
2. Seasonal Growth Habit:	Spring	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:	Recurved, Twisted, Wax Present	20. Shoulder Shape:	Square
7. Auricle Color:	Purple	21. Shoulder Width:	Narrow
8. Days to 50% Heading:	151	22. Beak Shape:	Acuminate
9. Anther Color:	Yellow	23. Beak Length (S.M.L.VL):	M
10. Anthocyanin:	Absent	24. Glume Pubescence:	Present
11. Plant Height (cm):	95	25. Seed Color:	Red
12. Internodes:	Hollow	26. Seed Shape:	Ovate
13. Spike Shape:	Tapering	27. Cheeks:	Rounded
14. Spike Density:	Middense	28. Brush Size (S,M,L.):	M
15. Spike Curvature:	Erect	29. Avg 1,000 Kernel Wt (g):	41

30. Physiological/biochemical Traits:

Variants and frequency: 04W40292R has been uniform and stable since 2012. Less than 0.1% of the plants were rogued from the Breeder. Seventy five percent of the variant plants were taller height wheat plants (4 to 8 cm). Twenty-five percent of the variants were later maturity (2 to 3 days). White seeded variant of approximately 0.1% has also been identified in the Breeder 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/progeny method to produce breeder seed as needed. Royalty fees are anticipated.
7. Certified seed will likely be available for planting in the spring of 2016
8. Plant Variety Protection is anticipated in 2015 and 04W40292R 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 Certified acreage is not to be published by AOSCA and certifying agencies.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: Jun 30, 2015

Date recommended by the VRB: Sep 28, 2015

