

## Wheat

### SY SELWAY/ 04PN3001-2 (Exp)

1. 04PN3001-2 is a hard red spring common wheat bred and developed by Syngenta Seeds.
2. 04PN3001-2 was selected for height, uniformity, agronomics and disease reaction.
3. 04PN3001-2 was tested in the spring wheat growing areas (12 to 20 inch moisture zones) of the Pacific Northwest (PNW) and was determined to be adapted to this area.
4. 04PN3001-2 has shown a tolerant reaction to the current strains of stripe rust in the PNW.
5. Identifying characteristics – insert the descriptive term from the Objective Description (pages 3-5) except where indicated:

1. Kind:	<u>Hard Red Spring</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</u>
5. Leaf Color at Boot:	<u>Green</u>	19. Glume Length:	<u>Long</u>
6. Flag Leaf at Boot:	<u>Recurved, Twisted, Waxy</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>155</u>	22. Beak Shape:	<u>Acuminate</u>
9. Anther Color:	<u>Yellow</u>	23. Beak Length (S.M.L.VL):	<u>Long</u>
10. Anthocyanin:	<u>Absent</u>	24. Glume Pubescence:	<u>Absent</u>
11. Plant Height (cm):	<u>98 cm</u>	25. Seed Color:	<u>Red</u>
12. Internodes:	<u>Hollow</u>	26. Seed Shape:	<u>Ovate</u>
13. Spike Shape:	<u>Strap</u>	27. Cheeks:	<u>Rounded</u>
14. Spike Density:	<u>Lax</u>	28. Brush Size (S,M,L.):	<u>Medium</u>
15. Spike Curvature:	<u>Erect</u>	29. Avg 1,000 Kernel Wt (g):	<u>41.7g</u>

#### 30. Physiological/biochemical Traits:

Variants and frequency: 04PN3001-2 has been uniform and stable since 2012. Less than 0.5% of the plants were rogued from the Breeder seed increases. The majority of the variant plants were taller height wheat plants (3 to 10 cm). The white seeded variant of approximately 0.5% has also been identified in the Progeny 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 04PN3001-2 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

