Wheat

YSC-215
13W-SWW-04511 (Exp)

1. YSC-215 (experimental cultivar 13W-SWW-04511) is a soft white winter wheat (*Triticum aestivum*) developed by Yield Star Cereal Sciences.

2. YSC-215 was selected for yield, phenotypic traits, and resistance to rust, foot and crown rot using bulk/crossing breeding method.

3. YSC-215 has been tested at 21-site year locations in the Northwest including areas of high rainfall and irrigated wheat production areas of the Columbia Basin and Southern Idaho and Utah. It shows good adaptation to higher rainfall zones of the Pacific Northwest and regions with similar agroecology.

4. No specific disease reaction claims are made at this time.

5. Identifying characteristics –

1. Kind:	Common, Soft White Winter Wheat		
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:	Medium
6. Flag Leaf at Boot:	Erect, Not-Twisted, Waxy	20. Shoulder Shape:	Wanting
7. Auricle Color:	White	21. Shoulder Width:	Medium
8. Day(s) to 50% Heading:	150	22. Beak Shape:	Acuminate
9. Anther Color:	Yellow	23. Beak Length (S,M,L,VL):	Medium
10. Anthoncyanin:	Absent (White)	24. Glume Pubescence:	Absent
11. Plant Height (cm):	88	25. Seed Color	White
12. Internodes:	Hollow	26. Seed Shape:	Ovate
13. Spike Shape:	Oblong	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 (grams):	38

30. Physiological/Biochemical Traits: None

Variants and Frequency: A variant that is similar to YSC-215 but has red seed occurs at a frequency of up to .50% (50 out 10,000 seeds). An awnless variant may occur at a frequency of 1% (100/10,000).

6. The breeder, foundation, and registered seed classes will be maintained and controlled by Yield Star Cereal. Foundation seed will be initially produced from breeder seed and thereafter foundation seed will be produced from foundation seed, maintaining the specific identity and purity of the variety as released by the breeding department. Certified seed will be grown from foundation or breeder seed by designated Yield Star Cereals associates. Production of certified seed will be licensed by Yield Star Cereals. There are no trait testing requirements to be met for certified seed classes.

7. If recommended, certified seed of YSC-215 will be offered for sale in the Fall of 2021.

8. Application for Plant Variety Protection is intended to be submitted.

9. Certified acreage is to be published by AOSCA or by individual certifying agencies.

Date this application was submitted: Jan 13, 2021 Date recommended by the VRB: May 24, 2021