Wheat

XW18U (Exp)

1. XW18U is a soft red winter wheat developed by Corteva Agrisciences.

2. The cultivar XW18U was bred using a doubled haploid method and selected for the following characteristics in the field environment: disease resistance, plant type, plant height, head type, straw strength, maturity, grain yield, test weight, and milling and baking characteristics.

3. XW18U has shown best adaptation to the northern soft wheat growing regions of the U.S.

4. XW18U has a moderate of resistance to fusarium head blight based on two years of field data collected in three locations.

5. Identifying characteristics –

1. Kind:	Common, Soft Red Winter Wheat		
2. Seasonal Growth Habit:	Winter	16. Awn Type:	Awned
3. Coleoptile Color:	Red	17. Awn Color:	White
4. Juvenile Growth Habit:	Semi-Erect	18. Glume Color:	White/amber
5. Leaf Color at Boot:	Green	19. Glume Length:	Medium
6. Flag Leaf at Boot:	Erect, Not-Twisted, Wax Present	20. Shoulder Shape:	Oblique
7. Auricle Color:	Purple	21. Shoulder Width:	Narrow
8. Day(s) to 50% Heading:	130	22. Beak Shape:	Acute
9. Anther Color:	Purple	23. Beak Length (S,M,L,VL):	Medium
10. Anthoncyanin:	Absent	24. Glume Pubescence:	Absent
11. Plant Height (cm):	95	25. Seed Color	Amber
12. Internodes:	Hallow	26. Seed Shape:	Ovate
13. Spike Shape:	Tapering	27. Cheeks:	Rounded
14. Spike Density:	Mid-dense	28. Brush Size (S,M,L.):	Medium
15. Spike Curvature:	Inclined	29. Avg 1,000 Kernel Wt (grams):	38

30. Physiological/Biochemical Traits: Phenol color – Fawn

Variants and Frequency: Awnless and/or taller plants may occur at a frequency up to 0.1% (10/10,000).

6. Breeder, foundation, and registered seed classes will be maintained and controlled by the Corteva Agrisciences Integrated Operations department. Foundation seed will initially be produced from breeders' seed, and thereafter foundation seed will be produced from foundation seed: maintaining the specific identity and purity of the variety as released. Registered seed will be grown from foundation or breeder seed and maintained at a purity level satisfactory to Corteva Agrisciences Integrated Operations or the appropriate certifying agency. No royalty fees or licensing agreements are anticipated.

7. Certified seed of XW18U will potentially first be offered for sale in the fall of 2021.

8. Plant variety protection application is anticipated in 2020 and the certification option will not be elected.

9. Certified acreage is not to be published by AOSCA and certifying agencies.

Date this application was submitted: Jan 08, 2020 Date recommended by the VRB: Apr 20, 2020