Wheat

AP14T21619 (Exp)

1. AP14T21619 is a hard red winter wheat developed by Syngenta Crop Protection AG.

2. AP14T21619 was selected for height, maturity, green leaf duration, disease reaction, and end use quality using the modified bulk method.

3. AP14T21619 was tested in Kansas, Oklahoma, Texas, Colorado and Nebraska and is a well-adapted bread wheat to the irrigated and dryland production areas of the Central Dryland and Western Dry and Irrigated High Plains.

4. AP14T21619 is moderately resistant to common races in the Central Plains of leaf rust and moderately susceptible to common races of stripe rust in the Central Plains.

5. Identifying characteristics –

1. Kind:	Common, Hard Red 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/Amber
5. Leaf Color at Boot:	Blue-Green	19. Glume Length:	Medium
6. Flag Leaf at Boot:	Erect, Twisted, Wax Present	20. Shoulder Shape:	Oblique
7. Auricle Color:	White	21. Shoulder Width:	Medium
8. Day(s) to 50% Heading:	128.8	22. Beak Shape:	Acuminate
9. Anther Color:	Yellow	23. Beak Length (S,M,L,VL):	Medium
10. Anthoncyanin:	Absent	24. Glume Pubescence:	Present
11. Plant Height (cm):	86.1	25. Seed Color	Red
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.):	Long
15. Spike Curvature:	Erect	29. Avg 1,000 Kernel Wt (grams):	29.76

30. Physiological/Biochemical Traits:

Variants and Frequency: We also would expect to see up to 1.8% white seed variant.
Up to 1% taller variants (8 to 15cm) may be encountered in subsequent generations.

6. Syngenta Seeds, LLC maintains seed stock and certified classes of Foundation, Registered and Certified. Syngenta Seeds, LLC will maintain the variety at the breeder seed level to produce breeder seed as needed. Royalty fees are anticipated.

7. Certified seed will likely be available Fall of 2021.

8. Plant Variety Protection is anticipated in 2020. AP14T21619 may only be sold as a class of certified seed.

9. Certified acreage is not published by AOSCA or by individual certifying agencies.

Date this application was submitted: Jan 08, 2020 Date recommended by the VRB: Mar 24, 2020