Grass

Xanadu
JT-268, PPG-TF 268 (Exp)

1. Variety Name: Xanadu Kind: Fescue, Tall
   Genus: *Festuca* Species: *arundinacea*
   Experimental designation (s): JT-268, PPG-TF 268
   Date submitted: January 5, 2021 Ploidy Level for Ryegrass: N/A

2. Xanadu (JT-268, PPG-TF 268) tall fescue (*Festuca arundinacea*) was selected for medium-early maturity, dark green color and good turf performance. The variety was developed using phenotypic and genotypic selection. It was selected from the maternal progenies of 10 plants that trace to the varieties Athletimax (23%), Firecracker SLS (30.8%), Sidewinder (15.4%), Taccoa (7.7%), Titanium 2LS (15.4%), and 6351 (7.7%), a population from the New Jersey Agricultural Experiment Station breeding program. Breeder seed of the variety was first produced in 2018.

3. Xanadu has been trialed under turf management in western Oregon. The data from this test indicate that Xanadu is a suitable for turf use in western Oregon.

4. Growth & Morphology Traits	Heading Date (Day of Year) Albany, Oregon		Plant Height (cm) Albany, Oregon		Flag Leaf Height (cm) Albany, Oregon	
	2019	2020	2019	2020	2019	2020
Xanadu	138.4	136.2	73.0	97.3	26.4	56.9
Crewcut	144.5	136.3	85.5	106.1	33.4	58.0
Rebel II	141.2	137.1	98.2	119.3	45.3	66.2
Bonanza	145.7	138.9	99.1	120.4	43.5	66.2
Kentucky 31	138.8	133.9	115.2	139.3	53.0	77.1
LSD (.05)	2.4	2.8	3.0	4.1	3.2	4.0
CV (%)	1.0	1.3	2.4	2.5	6.2	4.2

Data collected from: Spaced single plants X Plants in rows/solid seeding ____

Variants to be expected and frequency: A small percentage (<0.5%) of the plants are taller, coarser bladed, and lighter green than the rest of the population.

5. Turf Use a) b)	Turf Quality 1-9 Albany, Oregon		Genetic Color 1-9 Albany, Oregon		Turf Density 1-9 Albany, Oregon		Net Blotch 1-9 Albany, Oregon	
	2019	2020	2019	2020	2019	2020	2019	2020
Xanadu	6.7	6.3	8.3	7.3	7.3	7.0	6.0	6.0
4th Millennium	5.9	5.4	7.7	6.7	6.0	6.3	4.0	4.7
Firecracker SLS	5.7	5.4	7.7	6.0	5.0	6.3	4.7	5.0
Avenger	4.3	3.5	6.3	4.0	4.0	4.7	3.0	5.0
Kentucky 31	2.4	1.6	3.0	2.0	2.0	1.0	2.0	3.3
LSD (.05)	0.5	0.6	0.6	1.3	1.4	1.1	1.6	1.9
CV (%)	5.0	6.4	5.3	13.6	13.2	10.3	21.6	23.1

- Scale used to report traits (if appropriate): 1-9, 9=high quality, dark green, very dense, no disease.
- Insert additional information for use by inspectors (if any): N/A

**If necessary, identify locations in line b) by the following key - A: N/A B: N/A

6. Breeder seed is maintained under controlled conditions by Peak Plant Genetics, Albany, Oregon. Foundation fields may only be planted from breeder seed. Registered strands may be established from either Foundation or Breeder Seed. Certified fields may be established from Breeder, Foundation or Registered seed. Foundation and Registered class fields will be limited to three harvests of Foundation or Registered production followed by four years of Certified class production. Certified class fields will be limited to seven years of seed production. Additional years of seed production may be approved by the breeder or an individual designated by the breeder.

7. Xanadu certified seed will first be available in the spring of 2021. Plant Variety Protection has not been applied for at this time.

Date this application was submitted: Jan 6, 2021 Date recommended by the VRB: May 6, 2021