Grass

ATF2116 (Exp)

1. Variety name: _____ Kind: Tall Fescue
   Genus: *Festuca* Species: *arundinacea*
   Experimental designation (s): ATF2116
   Date submitted: 6 December 2019 Ploidy Level for Ryegrass: _____

2. The parental germplasm of ATF2116 tall fescue traces its origin to plants selected from the released cultivars Bonsai 3000, Brockton, Cortez, Cortez II, Constitution, Finesse, Finesse II, Greystone, Ninja, Ninja II, Regiment II, Riverside, Signia, Tuxedo. The cultivar was developed from recurrent phenotypic selections. Selection criteria were made for general impression and general seed production. Breeder seed was produced in 2017.

3. The primary use will be for turf. The cultivar has been trialed and has shown good adaptation in western Oregon.

4. Growth & Morphology Traits	Heading Date (Calendar Day) Albany, OR		Mature Plant Height (cm) Albany, OR		Inflorescence Length (cm) Albany, OR	
	2018	2019	2018	2019	2018	2019
ATF2116	5-May	3-May	104.2	116.7	26.2	23.2
Lexington	3-May	30-Apr	92.1	103.9	23.6	21.5
Regiment II	5-May	29-Apr	92.4	101.5	22.7	21.3
KY-31	1-May	27-Apr	133.6	143.7	34.8	26.7
LSD (0.05)	1	3	6.6	5.4	2.1	1.5
CV	2	7	4.4	3.3	5.4	4.6

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

Variants to be expected and frequency: <1% early heading date and longer inflorescence length.

5. Turf Use	Turf Quality 2018		Cover 2018		Density 2018		Genetic Color 2018	
	OR	AR	OR	AR	OR	AR	OR	AR
ATF2116	6.3	6.3	6.9	7.7	6.1	6.3	6.2	6.7
KY-31	5.6	4.0	6.6	6.6	5.2	4.3	4.5	4.0
Regenerate	6.6	5.0	7.2	6.1	6.4	4.3	6.4	5.3
Traverse	6.4	6.3	7.3	8.2	5.9	6.7	6.1	7.0
LSD (0.05)	0.4	0.5	0.3	0.9	0.5	1.1	0.6	1.1
CV	4.5	4.4	3.0	0.8	5.5	13.5	7.6	11.8

●Scale used to report traits: 1-9 (9=best, most cover, densest, darkest). OR=Albany, OR. AR= Fayetteville, AR

6. Breeder seed is maintained by NexGen Turf Research, LLC., Albany, Oregon. Breeder seed is maintained by seed and may be re-multiplied at the breeder's discretion. Foundation and Registered fields may be established from breeder seed. Seed production of Foundation and Registered class will be limited to three years. Seed production of Certified class will be limited to five years. Additional years of seed production may be approved by the breeder or an individual designated by the Director of Research, NexGen Turf Research, LLC

7. If this variety is recommended as eligible for certification by official seed certifying agencies, certified class seed likely be first offered for sale in 2020. PVP will not be sought.

Date this application was submitted: Dec 6, 2019 Date recommended by the VRB: Mar 24, 2020