Grass

AST5119
A-T17 (Exp)
(Amended – Name Change)

Variety Name AST5119

Experimental Designation(s) A-T17

Date A&MLVRB first recommended this variety Mar 14, 2018

Date(s) any previous amendments were recommended _____

Date this amendment was submitted Jan 28, 2020

1. Variety name: AST5119 Kind: Tall fescue
   Genus: Festuca Species: arundinacea
   Experimental designation (s): A-T17
   Date submitted: Dec 29, 2017

2. AST5119 was developed by McCarthy Research Farm LLC beginning with the selection of plants from nurseries at Verboort, Oregon. Selected plants were derived from the following varieties: Corona, AST5118, Copious, Hudson and Sequester. Plants were grown as spaced plants in an isolated nursery. Turf performance was evaluated using plots at Verboort, Oregon and Pipersville, Pennsylvania. Subsequently, four cycles of selections were conducted to produce the first breeder seed in 2014.

3. AST5119 was tested for turf use in western Oregon and in eastern Pennsylvania. It has shown adaptation to those climatic conditions and will be made available for sale in climates represented by those localities.

4. Growth & Morphology Traits	Heading Date (Julian Days) Verboort OR		Plant Height (cm) Verboort OR		Flag Leaf Length (cm) Verboort OR	
	2015	2016	2015	2016	2015	2016
AST5119	130.0	134.2	68.8	72.9	11.4	13.2
KY-31	119.1	128.3	113.1	123.2	18.5	19.6
Rebel II	125.3	129.8	95.6	100.3	17.6	17.2
Bonsai	135.9	138.9	61.8	65.2	6.8	11.0
LSD	6.8	3.9	5.7	5.0	1.8	1.4
CV (%)	1.8	1.8	4.3	3.6	8.7	5.8

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

Variants to be expected and frequency: None have been observed or documented

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5. Turf Use	2015 Turf Quality		2015 Genetic Color		2015 Leaf Density		2015 Leaf Texture	
	OR	PA	OR	PA	OR	PA	OR	PA
AST5119	7.7	7.5	7.8	7.6	7.6	7.4	7.8	7.9
Bonsai	5.8	4.8	5.3	4.6	5.6	4.5	6.2	4.6
Silverado	4.9	4.1	4.2	3.6	3.8	3.7	4.1	4.0
Bonanza	4.1	3.8	5.1	3.5	3.9	3.4	4.0	3.5
Ky-31	2.3	2.4	2.0	1.9	1.7	2.2	1.7	2.6
LSD @ 0.05	0.8	0.7	0.7	1.0	1.0	1.2	1.1	1.0
CV (%)	7.7	7.1	7.6	9.7	9.8	12.0	10.2	10.1

Scale: 1 – 9 with 9 ideal quality or darkest green or most dense or finest texture
Trial Locations: Verboort, Oregon & Pipersville, Pennsylvania.

6. McCarthy Research Farm LLC will maintain seedstocks of AST5119. A supply of AST5119 breeder seed has been produced to last the anticipated life of the variety. If additional seedstock is needed, McCarthy Research Farm will produce it in a spaced planted nursery from pre-breeder seed kept in cold storage. Foundation stands may only be planted from Breeder Seed. Registered stands may be established from either Foundation or Breeder Seed. Certified fields may be established from Breeder, Registered or Foundation Seed. Foundation and Registered class fields will be limited to four harvests of Foundation/Registered production followed by four additional harvests of Certified production. Certified class fields will be limited to ten years of seed production. Additional years of seed production may be approved by the breeder.

7. Certified seed is anticipated to be available in the fall of 2018. PVP will be sought with the certification option.

Date this application was submitted: Jan 28, 2020 Date recommended by the VRB: Mar 10, 2020