Grass

Brute
BTF (Exp)
(Amended – Name Change)

Variety Name Brute

Experimental Designation(s) BTF

Date A&MLVRB first recommended this variety Mar 5, 2009

Date(s) any previous amendments were recommended

Date this amendment was submitted Jan 28, 2020

1. Variety name: Brute Kind: Tall fescue
   Genus: Festuca Species: arundinacea
   Experimental designation (s): BTF
   Date submitted: Dec 31, 2008

2. Brute 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: Durana, Southern Choice, Chipper and Falcon III. Plants were grown as spaced plants in an isolated nursery at MRF near Verboort, Oregon where they were screened for dark green color, fine leaves, abundant tillering and high seed yield potential. Turf performance was evaluated using plots at Verboort, Oregon and Lewisburg Pennsylvania. Subsequently, three cycles of selections for high seed yield, abundant tillering, good turf quality and dark green color were utilized to form a crossing block that produced the first breeder seed in 2006.

3. Brute was tested for turf use in two locations in western Oregon and in central 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	
	2007	2008	2007	2008	2007	2008
Brute	135.4	131.7	88.9	90.9	13.1	15.3
K-31	128.2	117.7	116.0	122.1	14.6	18.5
Silverado	135.5	128.6	73.1	76.5	11.4	13.3
Bonanza	136.9	126.6	95.1	97.3	17.2	19.2
Bonsai	141.3	136.5	66.8	71.2	7.0	10.8
SE	2.1	2.9	3.4	2.3	0.8	1.1
LSD @ .05	4.4	5.9	7.0	4.8	1.5	2.2

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

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5. Turf Use	Turf Quality (1-9) 2008		Genetic Color (1-9) 2008		Density (1-9) 2008		Texture (1-9) 2008	
	OR	PA	OR	PA	OR	PA	OR	PA
Brute	7.3	6.9	7.7	6.8	7.1	6.3	7.7	6.7
Bonanza	3.4	3.3	2.0	2.7	3.7	3.0	3.5	2.3
Bonsai	6.1	4.8	5.8	4.3	7.3	3.5	7.5	5.0
Silverado	4.8	3.8	4.5	2.7	4.8	2.7	4.3	2.8
K-31	2.4	2.4	2.0	1.8	1.7	1.8	1.3	1.8
SE	0.41	0.36	0.62	0.57	0.42	0.73	0.66	0.60
LSD	0.82	0.72	1.23	1.13	0.83	1.45	1.31	1.19

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

6. A supply of Brute breeder seed will be kept in cold storage by McCarthy Research Farm LLC located in Verboort, Oregon. 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 two harvests of Foundation/Registered production followed by four additional harvests of Certified production. Certified class fields will be limited to four years of seed production. Additional years of seed production may be approved by the breeder or individual designated by the breeder.

7. Certified seed is anticipated to be available in the fall of 2009. PVP will be sought with the certification option.

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