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**U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE AND TECHNOLOGY
PLANT VARIETY PROTECTION OFFICE**

Exhibit C

**OBJECTIVE DESCRIPTION OF VARIETY
Laurisagrass (*Pennisetum orientale*)**

NAME OF APPLICANT (S)	TEMPORARY OR EXPERIMENTAL DESIGNATION	VARIETY NAME
ADDRESS (Street and No. or RD No., City, State, Zip Code and Country)		FOR OFFICIAL USE ONLY
		PVPO NUMBER

PLEASE READ ALL INSTRUCTIONS CAREFULLY:

1. PLANT HEIGHT: (Longest Shoot from Soil Surface to Top of Head)

			cm Height
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2. HABIT:

<input type="checkbox"/>	Stems:	1 = Simple	2 = Simple and Branched from Base and Lower Stem Nodes	
<input type="checkbox"/>	Stems:	1 = Coarse	2 = Fine	<input type="checkbox"/> Stems: 1 = Geniculate 2 = Erect
<input type="checkbox"/>	Leaves:	1 = Erect	2 = Ascending	

3. RHIZOMES:

<input type="checkbox"/>	1 = Absent	2 = Present	
<input type="checkbox"/>	Length:	1 = Short (Up to 10 cm)	2 = Medium (10-20 cm) 3 = Long (21 - 40 cm)
<input type="checkbox"/>	Thickness:	1 = 3 - 6 mm	2 = (7-10 mm)
<input type="checkbox"/>	Coriaceous Scales:	1 = Present	2 = Absent

4. LEAF BLADE:

<input type="checkbox"/>	Surface:	1 = Flat	2 = Convolute	
<input type="checkbox"/>	Color:	1 = Light Green	2 = Moderate Green	3 = Dark Green 4 = Blue Green 5 = Blue
<input type="checkbox"/>	mm Width			
<input type="checkbox"/>	cm Length			
<input type="checkbox"/>	Upper Surface:	1 = Scaberulous	2 = Pubescent	3 = Glabrous
<input type="checkbox"/>	Lower Surface:	1 = Scaberulous	2 = Pubescent	3 = Glabrous
<input type="checkbox"/>	Leaf Edge:	1 = Toothed	2 = Smooth	

5. LEAF SHEATH:

<input type="checkbox"/>	Upper Sheath:	1 = Open	2 = Overlapping	<input type="checkbox"/>	Seedling Color (Base):	1 = Green	2 = Red	
<input type="checkbox"/>	Keel	1 = Not Keeled	2 = Keeled	<input type="checkbox"/>	Surface:	1 = Glabrous	2 = Pubescent	3 = Scaberulous

6. LIGULE:

<input type="checkbox"/>	Membrane:	1 = Denely Ciliate	2 = Glabrous
<input type="checkbox"/>	Hairs:	1 = Less than 1 mm	2 = More than 1 mm

7. STEM NODES:

<input type="checkbox"/>	Nodes:	1 = Not Apparent	2 = Slightly Swollen	3 = Prominently Swollen
<input type="checkbox"/>	Hairs on Nodes:	1 = Absent	2 = Present	
<input type="checkbox"/>	Length of Node Hairs:	1 = 1-2.5 mm)	2 = 3-4 mm)	

8. INFLORESCENCE:

<input type="checkbox"/>	Tip of Peduncle:	1 = Glabrous or Minutely Pubescent	2 = Hairy		
<input type="checkbox"/>	Rachis:	1 = Villous or Woolly	2 = Glabrous		
<input type="checkbox"/>	Rachis:	1 = Ribbed or Grooved Vertically	2 = Not Ribbed, Cylindrical		
<input type="checkbox"/>	Rachis:	1 = Straight	2 = Flexous (Curved Alternately)		
<input type="checkbox"/>	mm Length	<input type="checkbox"/>	mm Width		
<input type="checkbox"/>	Number of Heads per Plant	<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>	Number of Involucre per Head	<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>	Milligrams Involucre per Head	<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>	Milligrams Caryopsis per Head	<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>	Color at Anthesis:	1 = White	2 = Purple Bristles and Glumes	3 = Manila	
<input type="checkbox"/>	Color at Maturity:	1 = White	2 = Manila	3 = Brown	4 = Purplish

9. INVOLUCRES OR FASCILES:

<input type="checkbox"/>	mm Length to Tip of Longest Bristle	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	mm Wide at Base of Involucre	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	mm Wide at Top of Bristles	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	Spikelets per Fascicle:	1 = Usually 2 – 5	2 = Single Only	
<input type="checkbox"/>	Spikelets:	1 = Pedicelled (Pedicels 0.5 – 1 mm)	2 = Sessile	
<input type="checkbox"/>	Pedicle of Involucre:	1 = Hispid	2 = Glabrous	
<input type="checkbox"/>	Pedicle of Involucre:	1 = (1 – 1.5 mm)	2 = (0 – 0.8 mm)	
<input type="checkbox"/>	Bristles Originating:	1 = At Base Only	2 = At Base and Subtending Spikelets	
<input type="checkbox"/>	Number of Bristles	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	mm Length of Shortest Bristles	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	mm Length of Inner Bristles	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	Cilia on Bristle:	1 = Lower 1/3	2 = Lower 1/2	3 = Lower 2/3
<input type="checkbox"/>	Cilia Length:	1 = Less than 1 mm	2 = (1 – 1.5 mm)	3 = Greater than 2 mm
<input type="checkbox"/>	Cilia Density:	1 = Light	2 = Moderate	3 = Dense

10. SPIKELETS:

<input type="checkbox"/>	Spikelet Length:	1 = Less than 4.5 mm	2 = (4.5 – 6.0 mm)	3 = Greater than 6.5 mm
<input type="checkbox"/>	Lower Glume:	1 = 1/4 Length of Spikelet	2 = 1/3 Length of Spikelet	3 = 1/2 Length of Spikelet
<input type="checkbox"/>	Upper Glume:	1 = 1/2 Length of Spikelet	2 = 2/3 Length of Spikelet	3 = 3/4 Length of Spikelet
<input type="checkbox"/>	Lemma (Longest):	1 = Aristately Acuminate – (5 Nerved)		2 = (3 Nerved)
<input type="checkbox"/>	Stigmas:	1 = Purple	2 = White	3 = Pink

11. SEED HEAD:

<input type="checkbox"/>	Appearance at Anthesis in Mass:	1 = Purplish cast due to purple bristles (but not cilia) purple stigmas, marginally purple lemmas and glumes, and purple stamens in one floret of the involucrel.
		2 = As above but purple bristles remain at maturity.
		3 = Only purple stigmas, a white to greenish cast.

12. SEED:

<input type="checkbox"/>	mm Width		
<input type="checkbox"/>	mm Length		
<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	Grams per 1000 Seeds	
<input type="checkbox"/>	Seed Shatter Resistance:	1 = Poor	2 = Good 3 = Strong

13. ENVIRONMENTAL RESISTANCE:

<input type="checkbox"/>	Cold Injury	}	1 = Susceptible	2 = Tolerant	3 = Resistant
<input type="checkbox"/>	Poor Drainage				
<input type="checkbox"/>	Drought				
<input type="checkbox"/>	Competitive Species				
<input type="checkbox"/>	Poor Fertility				

14. PLANT CROWN AND ROOT STRENGTH:

<input type="checkbox"/>	1 = Strong	2 = Moderate	3 = Weak
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15. **ADDITIONAL INFORMATION:** Provide any additional information (e.g. statistical data including data from paired analysis, AVOVA values and tables, T-tests, etc.), additional visual descriptive data not captured on this form which may be useful in providing a thorough characteristic description of the variety.