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

OI	BJECTIVE DESCR Ryegrass ( <i>L</i>		RIETY		
NAME OF APPLICANT (S)	TEMPORARY OR EXPERIMENTAL DESIGNATION VARIETY NAME				
ADDRESS (Street and No. or RD No., City, State, Zip Code and C	Country)		FOR OFFICIAL USE ONLY		
	PVPO NUMBER				
Place the appropriate number that describes the valuable is either 99 or less or 9 or less. Description PLANTS. Give additional description for all characteristic evaluation data.	s of characters should repres	ent those that are typic	cal for the variety. Me	asured data must be for SPACED	
All measurements must be on spaced plants with a measurements. Plants must be established no later practiced. Cultural conditions must be stated in conditions	than the previous fall for spr	plants. A minimum of ing and summer meas	urements. Trials shou		
1. SPECIES					
1 = L. multiflorum (annual or italian) includes Westerwoldicum)	2 = L. perenne (Perennia	al) 3	= L. rigidum (includes	Wimmeria)	
4 = Hybrid (of species):					
5 = Other (specify):					
2. PLOIDY					
1 = Diploid 2 = Tetraploid 3	B = Other (specify):				
3. DURATION					
1 = Annual or Biennial	? = Short lived perennial (3-4	Years) 3 = Pe	rennial (more than 4 y	ears)	
STANDARD CU	JLTIVARS – Choose cultivar	s from same species, p	oloidy level and usage.		
L. MULTIFLORUM	L. PERENNE		L. RIGIDUM	HYBRID	
DIPLOID TETRAPLOID	DIPLOID	TETRAPLOID			
1 = GULF 4 = TETRONE 2 = MARSHALL 5 = MERITRA RVP 3 = SURREY 6 = CARUMBA 7 = URBANA	8 = LINN 9 = MANHATTAN 10 = ELKA 11 = PENNFINE-EARLY 12 = MANHATTAN II	14 = CONDESSA 15 = CITIDEL 16 = FANTOON	17 = WIMMERA 62 20 =	18 = OREGREEN 19 = BISON (Specify species and ploidy)	

13 = PINNACLE

4.	MATURITY (Wh	nen 50% of plants in th	e variety have	at least 3 spikes	emerged from boot.) Use star	ndards from above for compariso	on
		Calendar Day.					
	_	1 = Very Early ( )	5 = 1	Medium ( )	9 = Very Late ( )		
		Days Earlier Than	_				
		Same as	_				
		Days Later Than					
	ANTHESIS DA	ATE (When 50% of pla	ants in the vari	ety have at least 3	3 spikes in anthesis.)		
		Calendar Day.					
		Days Earlier Than	_				
		Same as	_				
		Days Later Than					
5.		「(Post - Anthesis) Mid			B heads.		
	Mature Height	t (ground to top of spik	e - straightene	ed.)			
		cm High	_				
		Shorter Than	_				
		Same As	_				
		Taller Than	_				
	Flag Leaf Heig	ght (Ground to collar o	f flag leaf.)				
		cm High	_				
		Shorter Than	_				
		Same As					
		Taller Than	_				
6.	TURF DENSITY	(Tiller density - speci	fy clipped / und	clipped, growth co	anditions and plant age.)		
		Tillers per Plant	, . , ,	77 - 77	, , , , , , , , , , , , , , , , , , , ,		
		Less Tillers Than					
		More Tillers Than	_				
7.	LEAF CHARAG						
•	Flag Leaf (Afte						
	riag Loai (/ iii		4- 4:->		none Minkle (at d. one from a call	1)	
		cm Length (ligule cm Shorter Than	to tip)		mm Width (at 1 cm from coll cm Narrower Than	iai)	
		Same As	_		Same As	_	
		cm Longer Than	_		mm Wider Than	_	
	Flag Leaf at B	oot Stage * percent pla	ants with:				
	_	Deflexed	Semi	-erect			
		Recurve	Erect				
		Horizontal					

7. LEAF CHARACTERISTICS (con	itinued)			
Sheath Length of Flag Leaf (Flag	ag Leaf Collar to Subtending Nod	de.)		
cm Length				
cm Shorter T	-han			
Same As	_			
cm Longer T	han			
Genetic Foliage Color (Summe				
Leaf Color 1 - 9	2 = Elka 3 = Pennfine			
Variation (Occupants)	6 = Pinnacle 9 = Dark Gre			
Vernation (On vegetativ	ve tillers) 1 = Leaves Rolled 2 = Leaves Semi- 3 = Leaves Folded	Rolled		
% Plants With Anthocya	anin In Lower Leaf Sheath (at 3 -	8 tiller stage)		
8. SPIKE (Post - Anthesia) Spikelet	and Glume measurements must	t be in lower 1/3 of Spike.		
	th (tip to internode)			
mm Shorter Tha	, ,			
Same As		-		
mm Longer Tha	n	-		
Number of Spike		Number of Florets/Spikelet		
Less Than				
Same As		Same As		
More Than		More Than		
mm Length of S	pikelets	mm Length of Outer Glume	<b>)</b>	
mm Less Than		Lagar Than		
Same As		Same As		
mm More Than		 Mm More Than		
PERCENTAGE PLANTS WITH:				
Rachis :	% Smooth		% Rough	
Spike Color :	% All Green		% With Anthocyanin	
Lemma :	% Awned		mm Awn Length	
Anther Color:	% White Or Beige Anthers	3	% Yellow Anthers	
(Pre-Dehiscent) — — —	% Purple Anthers			
9. SEED – From PVP nursery (not		d must be processed similarl	y. Specify how data collected	
mg per 1,000 see				
mm Total Length				
mm Total Width o	of 10 seeds			
mm Lemma Le	ength (average of 50)	mm Lemma Widt	th (average of 50)	
mm Less Thar	ı <u> </u>	mm Less Than	_	
Same As	_	Same As	_	
mm More Thai	n	mm More Than	_	

10. SEEDLING CHARACTERS							
	% Plants with Anthocyanin in Coleoptile						
	% Albinos						
11. ROOT AND P	LANT CHARACTERS						
	Growth Habit 1-9	I=Prostrate	9=Upright				
	% of Plants with Fluorescent Ro	ots – Unlifted/Brig	ght				
	% of Plants with Fluorescent Ro	oots – Lifted/Hidde	en				
12. DISEASE (0 =	= Not Tested, 2 = Highly Suscept	ible, 4 = Moderate	ely Susceptible, 6 = Moderately	r Resistant, 9 = Highly Resistant)			
Specify disease ca	using organism (Species)						
Crown	Rust (Puccinia coronata)		Dollar Spot (Sclerotinia)				
Brown	Patch (Rhizoctonia)		Leaf Spot ( <i>Helminthosporium</i> )				
Stem R	Rust		Snow Mold ( <i>Typhula</i> )				
Red Th	hread ( <i>Corticium</i> )		Other (Specify)				
14. Give resemble	Must specify with or wit  ance value in left column and v 3 = more erect, more resistant	hout endophyte pr	resent  ber in the right column for v	ariety with which comparison i	is made (1 = less than,		
Resemblance	Character	Similar Variety		1 = Gulf 2 = Wimmeria 62			
_	Plant Habit (erectness)	_	<b>4 = Pelo 5 = Norlea 6 = Ab</b> 7 = Manhattan 8 = Pennfine		Jerystwyth 3-23		
_	Tillering Rate of Seedlings						
_	Leaf Color						
	Seedling Growth Rate						
_	Shoot Density						
_	Mower Shredding Resistance	_					
18. Give Area Of	Adaptation And Intended Use						
19. Give Area Tes	st Results Presented From						
20. COMMENTS:							