

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 1.4 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, gender, religion, age, disability, sexual orientation, marital or family status, political beliefs, parental status, or protected genetic information. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at 202-720-2600 (voice and TDD).

To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Avenue, SW, Washington, DC 20250-9410 or call 202-720-5964 (voice and TDD). USDA is an equal opportunity provider and employer.

**U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE AND TECHNOLOGY
PLANT VARIETY PROTECTION OFFICE
BELTSVILLE, MD 20705**

Exhibit C

**OBJECTIVE DESCRIPTION OF VARIETY
Fine Leaved Fescues (*Festuca* spp.)**

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:

Place the appropriate number that describes the varietal character of this variety in the boxes below. Use leading zeroes when necessary (e.g., or). Characteristics described including numerical measurements, should represent those that are typical for the variety. Measured data should be for SPACE PLANTS. Royal Horticultural Society or any recognized color fan may be used to determine plant colors; designate system used:

Describe location of test area, conditions and number of plants used: _____

1. SPECIES: (With comparison varieties for use below – use varieties within species of application variety)

- | | | | | |
|--------------------------|--|---------------|---------------------|----------------|
| <input type="checkbox"/> | 1 = <i>F. rubra</i> spp. <i>commutata</i> (Chewings) | 11 = Cascade | 12 = Highlight | 13 = Jamestown |
| | 2 = <i>F. rubra</i> spp. <i>litoralis</i> (Creeping Red) | 14 = Banner | 15 = Barfalla | |
| | 3 = <i>F. rubra</i> spp. <i>rubra</i> (Spreading Red) | 21 = Dawson | 22 = Starlight | 23 = Merlin |
| | 4 = <i>F. ovina</i> (Sheep) | 24 = Pennlawn | | |
| | 5 = <i>F. longifolia</i> (Hard) | 31 = Boreal | 32 = Ruby | 33 = Fortress |
| | 6 = <i>F. tenuifolia</i> (Fine-Leaved Sheep) | 34 = Ensylva | | |
| | | 41 = Covar | | |
| | | 51 = Durar | 52 = Biljart (C-26) | 53 = Scaldis |
| | | 61 = Panda | 62 = Barok | |
| | 7 = Other (Specify) <i>F.</i> _____ | | | |

2. CYTOLOGY:

- | | | | | | | | |
|---|-------------------|-------------------------------|--------|-------------|----------------|---------------|---------------|
| <input type="text" value=""/> <input type="text" value=""/> | Chromosome Number | <input type="text" value=""/> | Ploidy | 1 = diploid | 2 = tetraploid | 3 = hexaploid | 4 = octoploid |
|---|-------------------|-------------------------------|--------|-------------|----------------|---------------|---------------|

3. ADAPTATION: (0 = Not Tested, 1 = Not Adapted, 2 = Adapted)

- | | | | | | | | | | |
|--------------------------|-----------|--------------------------|-----------|--------------------------|---------------|--------------------------|-------------------|--------------------------|-----------------------|
| <input type="checkbox"/> | Northeast | <input type="checkbox"/> | Southeast | <input type="checkbox"/> | North Central | <input type="checkbox"/> | Pacific Northwest | <input type="checkbox"/> | Other (Specify) _____ |
|--------------------------|-----------|--------------------------|-----------|--------------------------|---------------|--------------------------|-------------------|--------------------------|-----------------------|

4. MATURITY: Date First Headed (Panicle Emergence) Location(s) of Trail(s) _____

- Maturity Class:
- | | | | |
|-----------------------------|-----------------------|-----------------------------------|---------------------------------|
| 1 = Very Early (Covar) | 2 = Early (Highlight) | 3 = Medium Early (Boreal, Dawson) | 4 = Medium Late (Cascade, Ruby) |
| 5 = Late (Jamestown, Agram) | 6 = Very Late | | |
- Date Headed _____

4. MATURITY: (continued)

<input type="text"/>	Days earlier than	<input type="text"/>	} Comparison Variety
<input type="text"/>	Maturity Same as	<input type="text"/>	
<input type="text"/>	Days later than	<input type="text"/>	

5. PLANT HEIGHT: (At Maturity; to Top of Panicle; Average of 10 Tallest Culms)

<input type="text"/>	mm Height		
<input type="text"/>	mm shorter than	<input type="text"/>	} Comparison Variety
<input type="text"/>	Height the same as	<input type="text"/>	
<input type="text"/>	mm taller than	<input type="text"/>	

6. GROWTH HABIT: (Mature)

<input type="text"/>	1 = Erect (Ruby)	2 = Semi-erect (Highlight)	3 = Prostrate (Silvana)
----------------------	------------------	----------------------------	-------------------------

7. RHIZOMES:

<input type="text"/>	mm Length	<input type="text"/>	mm Width	<input type="text"/>	mm Internode Length
<input type="text"/>	1 = Absent (Highlight)	2 = Weakly Creeping (Dawson)	2 = Strongly Creeping (Boreal)		
	4 = Very Strongly Creeping (Fortress)				

8. LEAF BLADE:

<input type="text"/>	Color:	1 = Light Green (Starlight)	2 = Medium Light Green (Highlight)	3 = Medium Dark Green (Ruby, Agram)
		4 = Dark Green (Jamestown, Manoir)	5 = Bluegreen (Saphir)	6 = Graygreen (Scaldis)
		7 = Other (Specify) _____		
<input type="text"/>	Glaucoity (Sowing Year):	1 = Absent (Koket)	2 = Present (Vendome)	
<input type="text"/>	Anthocyanin:	1 = Absent	2 = Present	<input type="text"/> Hairs (Basal): 1 = Absent 2 = Present
<input type="text"/>	Margins:	1 = Smooth	2 = Semi-rough	3 = Rough
<input type="text"/>	Margin folding (closure):	1 = Rolled inward (closed-Highlight)	2 = Flat (open-Jamestown, Engina)	
<input type="text"/>	Width class:	1 = Very Fine (Agram, Frida)	2 = Fine (Jamestown, Highlight, Banner, Dawson)	
		3 = Medium Fine (Fortress, Ruby Scaldis)	4 = Medium Coarse (Engina)	
<input type="text"/>	mm Length (flag leaf)			
<input type="text"/>	mm Shorter than	<input type="text"/>	} Comparison Variety	
<input type="text"/>	Blade length same as	<input type="text"/>		
<input type="text"/>	mm Longer than	<input type="text"/>		
<input type="text"/>	mm Width (flag leaf)			
<input type="text"/>	mm Narrower than	<input type="text"/>	} Comparison Variety	
<input type="text"/>	Blade width same as	<input type="text"/>		
<input type="text"/>	mm Wider than	<input type="text"/>		

9. LEAF SHEATH:

<input type="text"/>	Anthocyanin (seedling):	1 = Absent (Highlight)	2 = Present (Jamestown, Fortress, Marga)
<input type="text"/>	Auricle Hairiness:	1 = Absent	2 = Present
<input type="text"/>	Margins:	1 = Open (Highlight)	2 = Closed (Jamestown)

10. PANICLE: (Mature plant)

<input type="checkbox"/>	Shape:	1 = Narrow-tapering	2 = Ovate	3 = Oblong	4 = Other (Specify) _____
<input type="checkbox"/>	Type:	1 = Open	2 = Intermediate	3 = Compact	
<input type="checkbox"/>	Orientation:	1 = Erect	2 = Nodding		
<input type="checkbox"/>	Branch Pubescence:	1 = Glabrous	2 = Pubescent		
<input type="checkbox"/>	Anther Color:	1 = Yellowish Green 5 = Reddish	2 = Green	3 = Bluish Green	4 = Purplish
<input type="checkbox"/>	Glume Color (At 50% flowering)				
<input type="checkbox"/>	mm Length				
<input type="checkbox"/>	mm Shorter than	<input type="checkbox"/>	} Comparison Variety		
<input type="checkbox"/>	Panicle length same as	<input type="checkbox"/>			
<input type="checkbox"/>	mm Longer than	<input type="checkbox"/>			

11. PALEA:

<input type="checkbox"/>	Hairs (On keels or margins):	1 = Absent (Banner)	2 = Short (Agram, Scaldis, Olds)
		3 = Long (Ranier, Fortress, Jamestown)	

12. LEMMA: (Mature)

<input type="checkbox"/>	Hairs:	1 = Absent (Jamestown)	2 = Several	3 = Many (Highlight)
<input type="checkbox"/>	mm Lemma Length			
<input type="checkbox"/>	mm Shorter than	<input type="checkbox"/>	} Comparison Variety	
<input type="checkbox"/>	Lemma length same as	<input type="checkbox"/>		
<input type="checkbox"/>	mm Longer than	<input type="checkbox"/>		
<input type="checkbox"/>	mm Lemma Width			
<input type="checkbox"/>	mm Narrower than	<input type="checkbox"/>	} Comparison Variety	
<input type="checkbox"/>	Lemma width same as	<input type="checkbox"/>		
<input type="checkbox"/>	mm Wider than	<input type="checkbox"/>		
<input type="checkbox"/>	Awns:	1 = Absent	2 = Present	
<input type="checkbox"/>	mm Awn Length			
<input type="checkbox"/>	mm Shorter than	<input type="checkbox"/>	} Comparison Variety	
<input type="checkbox"/>	Awn length same as	<input type="checkbox"/>		
<input type="checkbox"/>	mm Longer than	<input type="checkbox"/>		

13. SEED: (With lemma & palea)

<input type="checkbox"/>	Size Class (g/1000 seed):	1 = < .9g (Biljart, Dawson)	2 = .9 – < 1.1g (Jamestown, Highlight)	
		3 = 1.1 – 1.3g (Fortress, Novorubra)	4 = > 1.3g (Boreal, Golfrood)	
<input type="checkbox"/>	mm per 1000 seed			
<input type="checkbox"/>	mg per 1000 seed less than	<input type="checkbox"/>	} Comparison Variety	
<input type="checkbox"/>	Seed Weight same as	<input type="checkbox"/>		
<input type="checkbox"/>	mg per 1000 seed more than	<input type="checkbox"/>		

14. DISEASE INSECT, AND NEMATODE REACTION: (0 = Not Tested, 1 = Susceptible, 2 = Resistant)

<input type="checkbox"/>	Melting-out (<i>Drechslera poae</i>) (<i>Helminthosporium vagans</i>)	<input type="checkbox"/>	Stripe Rust (<i>P. striiformis</i>)
<input type="checkbox"/>	Leaf Spot (<i>D. siccans</i>)	<input type="checkbox"/>	Leaf Rust (<i>P. poae-nemoralis</i>)
<input type="checkbox"/>	Net Blotch (<i>D. dictyoides</i>)	<input type="checkbox"/>	<i>P. crandallii</i>
<input type="checkbox"/>	Leaf Spot (<i>Bipolaris sorokiniana</i>)	<input type="checkbox"/>	Pythium Blight (<i>Pythium ultimum</i>)
<input type="checkbox"/>	Brown Patch (<i>Rhizoctonia solani</i>)	<input type="checkbox"/>	Red Thread (<i>Corticium fusciforme</i>)
<input type="checkbox"/>	Powdery Mildew (<i>Erysiphe graminis</i>)	<input type="checkbox"/>	Dollar Spot (<i>Sclerotinia homeocarpa</i>)
<input type="checkbox"/>	Stripe Smut (<i>Ustilago striiformis</i>)	<input type="checkbox"/>	Insect _____
<input type="checkbox"/>	F. Patch, Pink Snow-mold (<i>Fusarium nivale</i>)	<input type="checkbox"/>	Nematode _____
<input type="checkbox"/>	Fusarium blight (<i>F. tricinctum</i> , <i>F. roseum</i>)	<input type="checkbox"/>	Other _____
<input type="checkbox"/>	Gray snow mold (<i>Typhula lotana</i>)	<input type="checkbox"/>	Other _____
<input type="checkbox"/>	Stem rust (<i>Puccinia graminis</i>)	<input type="checkbox"/>	Other _____

15. GIVE VARIETY OR VARIETIES THAT MOST CLOSELY RESEMBLE THE SUBMITTED VARIETY: For the following characteristics indicate the Degree of Resemblance by placing the column marked D.R. with one of the following numbers:

1 = Application variety is less than comparison variety 2 = Same as 3 = More than, better, greater, darker, more disease resistant, etc.

CHARACTER	VARIETY	D.R.	CHARACTER	VARIETY	D.R.
Rhizome Length			Growth Habit		
Leaf Width			Leaf Color		
Panicle Color			Panicle Shape		
Winter Color			Cold Injury		
Shade Tolerance			Heat		
Drought			Disease*		

* Specify each disease evaluated.

16. ADDITIONAL DESCRIPTION: (Use additional sheets as required)

Describe all characteristics that cannot be adequately described in the form above in Exhibit D. Comparative varieties should be used as may be appropriate, such as for disease. Append all comparative trial and evaluation data, including measured characters, environmental, and disease tests.