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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  
WHEATGRASS**

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 spaces below.

Place a zero in the first space (e.g. 0 9 or 0 9 9) when number is either 99 or less or 9 or less respectively. Data for quantitative plant characters should be based on a minimum of 25 plants. Comparative data should be determined from varieties entered in the same trial. Royal Horticultural Society or an recognized color standard may be used to determine plant colors; designate system used:

**Please answer all questions for your variety; lack of response may delay progress of your application.**

**1. SPECIES**

\_\_\_ Common and Scientific Name:

- 1 = Fairway Crested Wheatgrass (*Agropyron cristatum*)
- 2 = Standard Crested Wheatgrass (*Agropyron desertorum*)
- 3 = Siberian Wheatgrass (*Agropyron fragile* ssp. *sibiricum*)
- 4 = Streambank Wheatgrass (*Elymus lanceolatus* ssp. *lanceolatus*)
- 5 = Slender Wheatgrass (*Elymus trachycaulus*)
- 6 = Tall Wheatgrass (*Elytrigia elongata*)
- 7 = Intermediate Pubescent Wheatgrass (*Elytrigia intermedia* ssp. *intermedia*)
- 8 =
- 9 = Thickspike Wheatgrass
- 10 = Western Wheatgrass (*Pascopyrum smithii*)
- 11 = Beardless Wheatgrass (*Pseudoroegneria spicata* ssp. *inermis*)
- 12 = Bluebunch Wheatgrass (*Pseudoroegneria spicata* ssp. *spicata*)
- 13 = Other:  
(Specify) \_\_\_\_\_

\_\_\_ Interspecific Hybrid:

- 1 = *Agropyron cristatum* x *desertorum* = Crested Wheatgrass
- 2 = *Elytrigia repens* ssp. *repens* x *Pseudoroegneria spicata* = RS Wheatgrass
- 3 = *Pseudoroegneria spicata* x *Elymus lanceolatus*

\_\_\_ Ploidy Level:

- 1 = 2n=2x    2 = 2n=4x    3 = 2n=6x    4 = 2n=8x

**2. ADAPTATION**

Geographical Region: \_\_\_\_\_

Land Resource Areas: \_\_\_\_\_

\_\_\_ USDA Plant Hardiness Zones:

- 1 = 1    4 = 4    7 = 7    10 = 10
- 2 = 2    5 = 5    8 = 8    11 = 11
- 3 = 3    6 = 6    9 = 9



**6. SPIKE** (Continued)

\_\_\_ Glume Color: 1 = Green 2 = Grey-Green 3 = Yellow 4 = Tan 5 = Tawny 6 = Buff 7 = Other (Specify) \_\_\_\_\_

\_\_\_ Spike Length in Centimeters.

\_\_\_ Spike Density: 1 = Lax 2 = Laxidense 3 = Dense

\_\_\_ Glume Shape: 1 = Lanceolate 2 = Obovate 3 = Ovate

**7. SEED** (Please note the decimal point)

\_\_\_ Glume Length in Millimeters.

Glume Color: \_\_\_\_\_

\_\_\_ Lemma Length in Millimeters.

Glume Awn (Descriptors): \_\_\_\_\_

\_\_\_ Lemma Width in Millimeters.

\_\_\_ Lemma Pubescence: 1 = Pubescent 2 = Partial 3 = Glabrous

\_\_\_ Lema Awn Size: 1 = Very Short 2 = Short 3 = Medium Short 4 = Medium 5 = Medium Long 6 = Long 7 = Very Long

\_\_\_ Seed Weight in Milligrams per 1000 Seeds.

**8. DISEASE AND PEST RESISTANCE:** 1 = Suseptible 2 = Resistant 3 = Tolerant 4 = Avoidance 0 = Not Tested

\_\_\_ Leaf Rust (*Uromyces dactylidis*)

\_\_\_ Stem Rust (*Puccinia graminis* ssp. *graminicola*)

\_\_\_ Stripe Rust (*Puccinia striiformis*)

\_\_\_ Other Disease(s) \_\_\_\_\_

\_\_\_ Black Grass Bug

\_\_\_ Grass Billbug

\_\_\_ Pacific Grass Bug

\_\_\_ Nematode(s) (Please Specify Species) \_\_\_\_\_

**9. INTENDED USE:** (Please indicate all that apply)

\_\_\_ Hay and Pasture

\_\_\_ Silage/Green Manure

\_\_\_ Range Reseeding

\_\_\_ Wildlife Habitat Plantings

\_\_\_ Conservation Cover

\_\_\_ Saline/Alkaline Soil Stabilization

\_\_\_ Erosion Control

\_\_\_ Other (Specify) \_\_\_\_\_

**10. COMMENTS:**