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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
Agroticum (x Agrotriticum Ciferri and Giacom)**

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

PLEASE READ ALL INSTRUCTIONS CAREFULLY:

Place the appropriate number that describes the varietal characters typical of this variety in the spaces below.

Place a zero in the first box (e.g. or) when number is either 99 or less or 9 or less.

1. TYPE:

1 = Wheat-like 2 = Grass-like

2. SEASON – NUMBER OF DAYS FROM EMERGENCE TO:

First Flowering Last Flowering

3. MATURITY:

<input type="text" value=""/> <input type="text" value=""/> No. of Days Earlier Than..... <input type="text" value=""/>	<u>Wheat Varieties</u>
<input type="text" value=""/> <input type="text" value=""/> No. of Days Later Than..... <input type="text" value=""/>	1 = Cheyenne 2 = Arthur 3 = Scout 4 = Chris 5 = Lemhi 6 = Nugaines 7 = Leeds 8 = Other (Specify) _____

4. PLANT HEIGHT (From sail level to top of head):

<input type="text" value=""/> <input type="text" value=""/> cm High	<u>Wheat Varieties</u>
<input type="text" value=""/> <input type="text" value=""/> cm Shorter Than <input type="text" value=""/>	1 = Cheyenne 2 = Arthur 3 = Scout 4 = Chris 5 = Lemhi 6 = Nugaines 7 = Leeds 8 = Other (Specify) _____
<input type="text" value=""/> <input type="text" value=""/> cm Taller Than <input type="text" value=""/>	

5. PLANT COLOR AT BOOTING (See Reverse):

1 = Yellow Green 2 = Green 3 = Blue Green

6. ANTHOR COLOR:

1 = Yellow 2 = Purple 3 = Other (Specify) _____

7. STEM:

<input type="checkbox"/>	Anthocyanin: 1 = Absent 2 = Present	<input type="checkbox"/>	Waxy Bloom: 1 = Absent 2 = Present
<input type="checkbox"/>	Hariness of Last Internode of Rachis:	<input type="checkbox"/>	Internodes: 1 = Hollow 2 = Solid
<input type="checkbox"/>	1 = Absent 2 = Present		
<input type="checkbox"/>	Number of Nodes (Originating from node above ground)		
<input type="checkbox"/>	cm Internode Length Between Flag Leaf and Leaf Below		

8. AURICLES:

<input type="checkbox"/>	Anthocyanin: 1 = Absent 2 = Present	<input type="checkbox"/>	Hariness: 1 = Absent 2 = Present
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9. LEAF:

<input type="checkbox"/>	Hairs of First Leaf Sheath: 1 = Absent 2 = Present	<input type="checkbox"/>	Leaf Texture: 1 = Smooth 2 = Rough
<input type="checkbox"/>	Mm Leaf Width (First leaf below flag leaf)	<input type="checkbox"/>	cm Leaf Length (First leaf below flag leaf)
<input type="checkbox"/>	Waxy Bloom of Flag Leaf Sheath: 1 = Absent 2 = Present		

10. HEADS:

<input type="checkbox"/>	Density: 1 = Lax 2 = Middense 3 = Dense	<input type="checkbox"/>	Shape: 1 = Tapering 2 = Strap 3 = Clavate
<input type="checkbox"/>	cm Head Length	<input type="checkbox"/>	4 = Other (Specify) _____
<input type="checkbox"/>	Color at Maturity: 1 = White 2 = Yellow 3 = Pink 4 = Red		
	5 = Bronze 6 = Brown 7 = Black 8 = Other (Specify) _____		

11. GLUMES AT MATURITY:

<input type="checkbox"/>	Length: 1 = Short (CA 7 mm) 2 = Medium (CA 8 mm)	<input type="checkbox"/>	Width: 1 = Narrow (CA 3 mm) 2 = Medium (CA 3.5 mm)
	3 = Long (CA 9 mm)		3 = Wide (CA 4 mm)
<input type="checkbox"/>	Shoulder Shape: 1 = Wanting 2 = Oblique 3 = Rounded	<input type="checkbox"/>	Beak: 1 = Obtuse 2 = Acute 3 = Acuminate
	4 = Square 5 = Elevated 6 = Apiculate		

12. COLEOPTILE COLOR:

<input type="checkbox"/>	1 = White 2 = Red 3 = Purple
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13. SEEDLING ANTHOCYANIN:

<input type="checkbox"/>	1 = Absent 2 = Present
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14. JUVENILE PLANT GROWTH HABIT:

<input type="checkbox"/>	1 = Prostrate 2 = Semi-Erect 3 = Erect
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15. SEED:

<input type="checkbox"/>	Shape: 1 = Ovate 2 = Oval 3 = Elliptical	<input type="checkbox"/>	Cheek: 1 = Rounded 2 = Angular
<input type="checkbox"/>	Brush Size: 1 = Short 2 = Medium 3 = Long	<input type="checkbox"/>	Brush: 1 = Not Collared 2 = Collared
<input type="checkbox"/>	Brush Area: 1 = Small 2 = Medium 3 = Large	<input type="checkbox"/>	Embryo Size: 1 = Small 2 = Medium 3 = Large
<input type="checkbox"/>	Phenol Reaction 1 = Ivory 2 = Fawn 3 = Lt. Brown	<input type="checkbox"/>	Color: 1 = White 2 = Amber 3 = Red 4 = Purple
	4 = Brown 5 = Black		5 = Other (Specify) _____
<input type="checkbox"/>	mm Long	<input type="checkbox"/>	mm Wide
		<input type="checkbox"/>	gm per 1000 Seeds

16. DISEASE:

<input type="checkbox"/>	Stem Rust (Races) _____	<input type="checkbox"/>	Leaf Rust (Races) _____	<input type="checkbox"/>	Stripe Rust (Races) _____	<input type="checkbox"/>	Loose Smut
<input type="checkbox"/>	Powdery Mildew	<input type="checkbox"/>	Bunt	<input type="checkbox"/>	Other (Specify) _____		

17. INSECT:

<input type="checkbox"/> Sawfly	<input type="checkbox"/> Aphid (Bydv)	<input type="checkbox"/> Green Bug	<input type="checkbox"/> Cereal Leaf Beetle
<input type="checkbox"/> Other (Specify) _____	Hessian Fly	<input type="checkbox"/> GP	<input type="checkbox"/> A
	Races	<input type="checkbox"/> D	<input type="checkbox"/> E
		<input type="checkbox"/> B	<input type="checkbox"/> C
		<input type="checkbox"/> F	<input type="checkbox"/> G

18. INDICATE WHICH VARIETY MOST CLOSELY RESEMBLES THAT SUBMITTED:

CHARACTER	NAME OF VARIETY	CHARACTER	NAME OF VARIETY
Plant tillering		Seed size	
Plant carriage		Seed shape	
Leaf color		Coleoptile elongation	
Leaf carriage		Coleoptile pigmentation	
Leaf width		Root structure	

INSTRUCTIONS

General: Foliage characteristics should be recorded at the booting stage of the plant.

The following publications may be used as a reference aid for completing this form:

- (a) E. L. Smith, E. E. Sebesta, A. M. Schlehber, and H. C. Young, Jr., 1960 Association of Certain Characters in a Collection of Wheat and Wheat Grass Hybrids, Technical Bulletin T-82, Oklahoma State University.
- (b) W. E. Walls, 1965, A Standardized Phenol Method for Testing Wheat Seeds for Varietal Purity, contribution No. 28 to the handbook of seed testing prepared by the Association of Official Seed Analysts.
- (c) L. W. Briggles, and L. P. Reitz, 1963, Classification of Triticum Species and Wheat Varieties Grown in the United States. Technical Bulletin 1278, United States Department of Agriculture.

LEAF COLOR: Nickerson's or any recognized color fan should be used to determine the leaf color of the described variety.