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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  
Cockscomb (*Celosia* spp. L.)**

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

**PLEASE READ ALL INSTRUCTIONS CAREFULLY:**

In the spaces on the left, enter the appropriate numbers that describe the characteristics of the application variety. On the right, enter the appropriate numbers that describe the characteristics of the most similar comparison variety. Right justify whole numbers by adding leading zeros if necessary. The variety that you choose for comparison should be the most similar one in terms of overall morphology, background and maturity. The comparison variety should be grown in field trials with the application variety for 2-3 location/years (environments) in the region and season of best adaptability. In general, measurements of quantitative traits should be taken from one trial on 15-25 randomly selected plants or plant parts to obtain averages and statistics that describe a typical field of the variety.

TRIAL INFORMATION (continue in Comments)

Locations and Dates of Data Collection \_\_\_\_\_  
 Environmental and Cultural Conditions \_\_\_\_\_  
 Number of Plants and Replicates used for Description \_\_\_\_\_

Application Variety Data	Comparison Variety Data
<p><b>A. GENERAL INFORMATION:</b></p> <p>___ Species: 1 = <i>C. argentea</i> 2 = <i>C. cristata</i> 3 = <i>C. huttonii</i> 4 = <i>C. pyramidalis</i></p> <p>___ Life Cycle: 1 = Annual 2 = Biennial 3 = Perennial</p> <p>___ Use: 1 = Outdoor (bedding) 2 = Greenhouse (forcing) 3 = Other _____</p> <p>___ Ploidy: 1 = Haploid 2 = Diploid 3 = Triploid 4 = Other _____</p> <p>___ Type of Variety: 1 = Inbred 2 = Open-pollinated 3 = First Generation Hybrid 4 = Other (specify) _____</p>	<p>Comparison Variety Name _____</p> <p>___ Species</p> <p>___ Life Cycle</p> <p>___ Use</p> <p>___ Ploidy</p> <p>___ Type of Variety</p>
<p><b>B. PLANT:</b> (During Main Flowering Season)</p> <p>___ Branching: 1 = No Branches 2 = Basally Branching 3 = Branching but not basally</p> <p>___ Growth Form: 1 = Upright 2 = Semi-prostrate 3 = Prostrate</p> <p>___ cm Plant Width (at widest point)</p> <p>___ cm Plant Height (from soil level to top of inflorescence)</p> <p>___ Plant Height Class: 1 = Very Dwarf 2 = Dwarf 3 = Semi-Dwarf 4 = Tall</p> <p>___ Stem: 1 = Smooth 2 = Ribbed</p> <p>___ mm Stem Thickness</p> <p>___ Main Stem Color: 1 = Light Green 2 = Medium Green 3 = Dark Green 4 = Other (specify) _____</p>	<p>___ Branching</p> <p>___ Growth Form</p> <p>___ cm Plant Width</p> <p>___ cm Plant Height</p> <p>___ Plant Height Class</p> <p>___ Stem</p> <p>___ mm Stem Thickness</p> <p>___ Main Stem Color</p>

Application Variety Data	Comparison Variety Data
<p><b>C. FOLIAGE:</b></p> <p>_____ mm Leaf Width (at midpoint of plant)</p> <p>_____ mm Leaf Length (at midpoint of plant, including petiole)</p> <p>_____ mm Petiole Length</p> <p>___ Leaf Attachment: 1 = Sessile 2 = Nearly Sessile 3 = Petiolate 4 = Sessile and Petiolate (both)</p> <p>___ Leaf Attitude: 1 = Upright 2 = Horizontal 3 = Reflexed</p> <p>___ Leaf Shape: 1 = Lanceolate 2 = Elliptic 3 = Obovate 4 = Ovate 5 = Other (Specify) _____</p> <p>___ Leaf Margin: 1 = Entire 2 = Serrate 3 = Other (Specify) _____</p> <p>___ Margins: 1 = Flat 2 = Undulated 3 = Rolled</p> <p>___ Leaf Surface: 1 = Smooth 2 = Weakly Bubbled 3 = Strongly Bubbled</p> <p>___ Leaf Apex: 1 = Blunt 2 = Pointed</p> <p><b>Upper Foliage Surface</b></p> <p>___ Color: 1 = Light Green 2 = Medium Green 3 = Dark Green 4 = Other (specify) _____</p> <p>Color Chart Name _____ Color Chart Code _____</p> <p>___ Surface Luster: 1 = Dull 2 = Shiny</p> <p>___ Surface Pubescence: 1 = Absent 2 = Light 3 = Medium 4 = Heavy</p> <p><b>Lower Foliage Surface</b></p> <p>___ Color: 1 = Light Green 2 = Medium Green 3 = Dark Green 4 = Other (specify) _____</p> <p>Color Chart Name _____ Color Chart Code _____</p> <p>___ Surface Luster: 1 = Dull 2 = Shiny</p> <p>___ Surface Pubescence: 1 = Absent 2 = Light 3 = Medium 4 = Heavy</p>	<p>_____ mm Leaf Width</p> <p>_____ mm Leaf Length</p> <p>_____ mm Petiole Length</p> <p>___ Leaf Attachment</p> <p>___ Leaf Attitude</p> <p>___ Leaf Shape</p> <p>___ Leaf Margin</p> <p>___ Margins</p> <p>___ Leaf Surface</p> <p>___ Leaf Apex</p> <p><b>Upper Foliage Surface</b></p> <p>___ Color:</p> <p>Color Chart Code _____</p> <p>___ Surface Luster</p> <p>___ Surface Pubescence</p> <p><b>Lower Foliage Surface</b></p> <p>___ Color</p> <p>Color Chart Code _____</p> <p>___ Surface Luster</p> <p>___ Surface Pubescence</p>
<p><b>D. MATURITY:</b></p> <p>_____ Days from Direct Seeding to First Flowering</p> <p>_____ Days from Direct Seeding to Mid-Flowering</p> <p>_____ Length of Flowering Season, Average Number of Days</p> <p>___ Time of Beginning of Flowering (50% of Plants with at Least First Flower): 1 = Very Early 2 = Early 3 = Medium-Early 4 = Medium-Late 5 = Late</p>	<p>_____ Days to First Flowering</p> <p>_____ Days to Mid-Flowering</p> <p>_____ Length of Flowering Season</p> <p>___ Time of Beginning of Flowering</p>
<p><b>E. INFLORESCENCE:</b> (Average Values; During Main Flowering Season)</p> <p>___ Inflorescence Type: 1 = Crested Cockscomb (<i>Cristata</i>) 2 = Feathery Plume (<i>Plumosa</i>) 3 = Blunt Spike (<i>Huttonii</i>) 4 = Other (Specify) _____</p> <p>_____ mm Width (at widest point)</p> <p>_____ mm Width (at narrowest point)</p> <p>_____ mm Thickness (at thickest point)</p> <p>_____ mm Length</p> <p>_____ mm Height above foliage</p> <p>_____ Number of Inflorescences per Plant</p>	<p>___ Inflorescence Type</p> <p>_____ mm Width (at widest point)</p> <p>_____ mm Width (at narrowest point)</p> <p>_____ mm Thickness</p> <p>_____ mm Length</p> <p>_____ mm Height above foliage</p> <p>_____ Number of Inflorescences per Plant</p>

Application Variety Data	Comparison Variety Data
<p><b>E. INFLORESCENCE:</b> (continued)</p> <p>_____ Number of Days of Vase Life (for fresh cut flowers)</p> <p>___ Fragrance: 1 = None 2 = Mild 3 = Strong</p> <p>___ Petal Color: 1 = White 2 = Cream 3 = Yellow 4 = Green 5 = Blue 6 = Purple 7 = Red 8 = Orange 9 = Black 10 = Other _____</p> <p>Color Chart Name _____ Color Chart Code _____</p> <p>___ Stamen Length (Compared to Petals): 1 = Shorter 2 = Same 3 = Longer</p> <p>___ Stamen Color: 1 = White 2 = Cream 3 = Yellow 4 = Green 5 = Blue 6 = Purple 7 = Red 8 = Orange 9 = Black 10 = Other _____</p> <p>Color Chart Name _____ Color Chart Code _____</p> <p>___ Style Color: 1 = White 2 = Cream 3 = Yellow 4 = Green 5 = Blue 6 = Purple 7 = Red 8 = Orange 9 = Black 10 = Other _____</p> <p>Color Chart Name _____ Color Chart Code _____</p> <p>___ Flower Stalk Color: 1 = White 2 = Cream 3 = Yellow 4 = Green 5 = Blue 6 = Purple 7 = Red 8 = Orange 9 = Black 10 = Other _____</p> <p>Color Chart Name _____ Color Chart Code _____</p>	<p>_____ Number of Days of Vase Life</p> <p>___ Fragrance</p> <p>___ Petal Color</p> <p>Color Chart Code _____</p> <p>___ Stamen Length</p> <p>___ Stamen Color</p> <p>Color Chart Code _____</p> <p>___ Style Color</p> <p>Color Chart Code _____</p> <p>___ Flower Stalk Color</p> <p>Color Chart Code _____</p>
<p><b>F. SEEDS:</b></p> <p>_____ mm Seed Length</p> <p>_____ mm Seed Width</p> <p>_____ mm Seed Thickness</p> <p>_____ gm Weight per 100 Seeds</p> <p>___ Seed Circumference Shape: 1 = Square 2 = Oblong 3 = Round 4 = Other _____</p> <p>___ Seed Coat Color: 1 = White 2 = Cream 3 = Tan 4 = Brown 5 = Black 6 = Other _____</p> <p>Color Chart Name _____ Color Chart Code _____</p> <p>___ Seed Uniformity: 1 = Very Variable 2 = Uniform Shape 3 = Uniform Size 4 = Uniform Color 5 = Very Uniform</p>	<p>_____ mm Seed Length</p> <p>_____ mm Seed Width</p> <p>_____ mm Seed Thickness</p> <p>_____ gm Weight per 100 Seeds</p> <p>___ Seed Shape</p> <p>___ Seed Coat Color (Verbal)</p> <p>Color Chart Code _____</p> <p>___ Seed Uniformity</p>
<p><b>G. ANTHOCYANIN:</b></p> <p>___ Stem: 1 = Absent 2 = Weak 3 = Strong</p> <p>___ Leaves: 1 = Absent 2 = Weak 3 = Strong</p> <p>___ Flowers: 1 = Absent 2 = Weak 3 = Strong</p>	<p>___ Stem</p> <p>___ Leaves</p> <p>___ Flowers</p>
<p><b>H. DISEASE RESISTANCE:</b> (1=most susceptible; 9=most resistant)</p> <p>___ Botrytis (on the flowers)</p> <p>___ Other (specify) _____</p>	<p>___ Botrytis</p> <p>___ Other _____</p>
<p><b>I. INSECT RESISTANCE:</b> (1=most susceptible; 9=most resistant):</p> <p>___ Aphids</p> <p>___ Thrips</p> <p>___ Leaf Miners</p> <p>___ Other (specify) _____</p>	<p>___ Aphids</p> <p>___ Thrips</p> <p>___ Leaf Miners</p> <p>___ Other _____</p>

Application Variety Data	Comparison Variety Data
<p><b>J. PHYSIOLOGICAL RESISTANCE:</b> (1=most susceptible; 9=most resistant)</p> <p>___ Low Light (shade)</p> <p>___ High Light (full sun)</p> <p>___ Low Temperature (cold)</p> <p>___ High Temperature (heat)</p> <p>___ Drought</p> <p>___ Flood</p> <p>___ Other (specify) _____</p>	<p>___ Low Light</p> <p>___ High Light</p> <p>___ Low Temperature</p> <p>___ High Temperature</p> <p>___ Drought</p> <p>___ Flood</p> <p>___ Other _____</p>

**K. COMMENTS:**