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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
Dahlia (*Dahlia* 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:

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.

<p>1. PLANT:</p> <p>_____ cm High</p> <p>_____ cm Wide</p> <p>___ Plant Habit: 1 = Compact 2 = Spreading</p>	<p>Comparison Variety Name _____</p> <p>_____ cm High</p> <p>_____ cm Wide</p> <p>___ Plant Habit</p>
<p>2. MAIN STEM: (At First Flower Cutting)</p> <p>___ Alignment: 1 = Straight 2 = Flexuous/Crooked</p> <p>___ Surface: 1 = Not Glaucous 2 = Glaucous (Covered with a fine bloom or fine white powder easily rubbed off)</p> <p>___ Surface Pubescence: 1 = Glabrous 2 = Pilose</p> <p>_____ No. of Flowers per Primary Branch (without disbudding)</p> <p>_____ cm Between Primary Branches</p> <p>_____ mm Diameter at Mid-point of First Internode Above Ground</p> <p>___ Flower to Stem Axis Angle: 1 = <30° 2 = 30° - 60° 3 = 60° - 90°</p>	<p>___ Alignment</p> <p>___ Surface</p> <p>___ Surface Pubescence</p> <p>_____ No. of Flowers per Primary Branch</p> <p>_____ cm Between Primary Branches</p> <p>_____ mm Diameter</p> <p>___ Flower to Stem Axis Angle</p>
<p>3. LEAF:</p> <p>___ Type: 1 = Simple 2 = Pinnate 3 = Bipinnate</p> <p>_____ No. of Pinnae per Leaf</p> <p>___ Shape: 1 = Lanceolate 2 = Ovate 3 = Elliptic</p> <p>___ Margin: 1 = Entire 2 = Denticulate 3 = Dentate 4 = Lancinate</p> <p>___ Texture: 1 = Soft 2 = Leathery</p>	<p>___ Type</p> <p>_____ No. of Pinnae per Leaf</p> <p>___ Shape</p> <p>___ Margin</p> <p>___ Texture</p>
Application Variety Data	Comparison Variety Data

Application Variety Data	Comparison Variety Data
<p>3. Leaf: (Continued)</p> <p>___ Surface: 1 = Not Glaucaous 2 = Glaucaous</p> <p>___ Surface Pubescence: 1 = Glabrous 2 = Pilose</p> <p>___ Leaf Color: 1 = Light Green 2 = Dark Green 3 = Bronze (Pigmented) 4 = Other (Specify) _____</p> <p>Color Chart Name _____ Color Chart Value _____</p> <p>___ Rachis Wings: 1 = Not Winged 2 = Winged</p> <p>___ Rachis Shape: 1 = Round 2 = Involute</p>	<p>___ Surface</p> <p>___ Surface Pubescence</p> <p>___ Leaf Color</p> <p>Color Chart Value _____</p> <p>___ Rachis Wings</p> <p>___ Rachis Shape</p>
<p>4. FLOWER:</p> <p>___ cm Petiole Length Between Last Leaves and Flower Head</p> <p>___ Type: 1 = Single 2 = Anemone 3 = Collarette 4 = Peony 5 = Formal Decorative 6 = Informal Decorative 7 = Ball 8 = Pompon 9 = Incurved Cactus 10 = Straight Cactus 11 = Semicactus 12 = Orchid</p> <p>___ Size: 1 = to 50 mm 2 = 51 – 90 mm 3 = 91 – 100 mm 4 = 101 – 150 mm 5 = 151 – 200 mm 6 = Over 200 mm</p> <p>Ray Flower</p> <p>___ Ray Tips: 1 = Pointed 2 = Notched 3 = Fimbriate</p> <p>Colors: <i>Select from colors below. Consider only the predominant colors on the face of the rays except for those pompon or ball inflorescences in which the reverse of the involute rays dominate. Select two color codes when necessary, i.e. Yellowish-Pink 02 04 (See References below.)</i></p> <p>01 = White 02 = Yellow 03 = Orange 04 = Pink 05 = Dark Pink 06 = Red 07 = Dark Red 08 = Lavender 09 = Purple 10 = Bronze 11 = Flame 12 = Light Blend 13 = Dark Blend 14 = Other (Specify) _____</p> <p>___ Monocolor</p> <p>Color Chart Name _____ Color Chart Value _____</p> <p>Color(s) Pattern</p> <p>___ Ground Color</p> <p>Color Chart Name _____ Color Chart Value _____</p> <p>___ Dot</p> <p>Color Chart Name _____ Color Chart Value _____</p> <p>___ Fleck</p> <p>Color Chart Name _____ Color Chart Value _____</p> <p>___ Splash</p> <p>Color Chart Name _____ Color Chart Value _____</p> <p>___ Narrow Line</p> <p>Color Chart Name _____ Color Chart Value _____</p> <p>___ Picotee</p> <p>Color Chart Name _____ Color Chart Value _____</p> <p>___ Other (Specify) _____</p> <p>Color Chart Name _____ Color Chart Value _____</p>	<p>___ cm Petiole Length</p> <p>___ Type</p> <p>___ Size</p> <p>Ray Flower</p> <p>___ Ray Tips</p> <p>___ Monocolor</p> <p>Color Chart Value _____</p> <p>Color(s) Pattern</p> <p>___ Ground Color</p> <p>Color Chart Value _____</p> <p>___ Dot</p> <p>Color Chart Value _____</p> <p>___ Fleck</p> <p>Color Chart Value _____</p> <p>___ Splash</p> <p>Color Chart Value _____</p> <p>___ Narrow Line</p> <p>Color Chart Value _____</p> <p>___ Picotee</p> <p>Color Chart Value _____</p> <p>___ Other (Specify) _____</p> <p>Color Chart Value _____</p>
Application Variety Data	Comparison Variety Data

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<p>4. FLOWER: (continued)</p> <p>Disc Flower:</p> <p>___ Disk Flowers: 1 = Absent 2 = Present</p> <p>01 = White 02 = Yellow 03 = Orange 04 = Pink 05 = Dark Pink 06 = Red 07 = Dark Red 08 = Lavender 09 = Purple 10 = Bronze 11 = Flame 12 = Light Blend 13 = Dark Blend 14 = Other (Specify) _____</p> <p>___ ___ Monocolor</p> <p>Color Chart Name _____ Color Chart Value _____</p> <p>___ ___ Primary Color</p> <p>Color Chart Name _____ Color Chart Value _____</p> <p>___ ___ Secondary Color</p> <p>Color Chart Name _____ Color Chart Value _____</p>	<p>Disc Flower:</p> <p>___ Disk Flowers</p> <p>___ ___ Monocolor</p> <p>Color Chart Value _____</p> <p>___ ___ Primary Color</p> <p>Color Chart Value _____</p> <p>___ ___ Secondary Color</p> <p>Color Chart Value _____</p>
<p>5. DISEASE RESISTANCE: (0 = Not tested 1 = Susceptible 2 = Resistant)</p> <p>___ Mosaic</p> <p>___ Ringspot</p> <p>___ Other (Specify) _____</p>	<p>___ Mosaic</p> <p>___ Ringspot</p> <p>___ Other (Specify) _____</p>
<p>6. INSECT RESISTANCE: (0 = Not tested 1 = Susceptible 2 = Resistant)</p> <p>___ Aphid</p> <p>___ Thrip</p> <p>___ Borer</p> <p>___ Other (Specify) _____</p>	<p>___ Aphid</p> <p>___ Thrip</p> <p>___ Borer</p> <p>___ Other (Specify) _____</p>

7. Attach ONE photographic print of the application variety and the comparison variety described above, indicating the identity of each variety. This photograph should show flower heads of each variety at a magnification sufficient to identify most of the verbal descriptors given above. (Additional information and photographs in support of this application may be supplied as part of the Exhibits B or D.)

REFERENCES

RAY COLOR: Described in the 1971 *Classification of Dahlias* compiled and published by the Joint Classification Committee sponsored jointly by the American Dahlia Society, Inc. and the Central States Dahlia Society, Inc.
American Dahlia Society. Current Series. *Classification of Dahlias*.
Barnes, A.T., 1966. *The Dahlia Grower's Treasury*. Collingridge, London.
Cook, W.H., 1953. *Judging Dahlias in Shows*. American Dahlia Society.
U.S.D.A. Home and Garden Bulletin 131, 1970. *Growing Dahlias*.

Color: Munsell Book of Color, Royal Horticultural Society Colour Chart, Nickerson's or any recognized color fan may be used to determine the color of the variety.