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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
Cosmos (Cosmos 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. SPECIES:</p> <p>___ 1 = C. bipinnatus 2 = C. sulphureus 3 = C. diversifolius ___ 4 = C. atrosanguineus 5 = interspecific cross (Specify) _____</p>	<p>COMPARISON VARIETY NAME _____</p> <p>___ Species</p>
<p>2. MATURITY:</p> <p>___ ___ Days from Sowing to First Flower</p>	<p>___ ___ Days to First Flower</p>
<p>3. PLANT:</p> <p>___ Life Cycle: 1 = Annual 2 = Biennial 3 = Perennial</p> <p>___ Pubescence: 1 = None 2 = Sparse 3 = Moderate 4 = Heavy</p> <p>___ Height Class: 1 = Extra Dwarf 2 = Dwarf 3 = Medium 4 = Tall 5 = Extra Tall</p> <p>___ ___ cm Plant Height</p> <p>___ ___ cm Plant Width</p>	<p>___ Life Cycle</p> <p>___ Pubescence</p> <p>___ Height Class</p> <p>___ ___ cm Plant Height</p> <p>___ ___ cm Plant Width</p>
<p>4. LEAF: (Blade and Petiole)</p> <p>___ ___ mm Leaf Length</p> <p>___ ___ mm Leaf Width</p> <p>___ Margin: 1 = Entire 2 = Pinnately Cut 3 = Bipinnately Cut</p>	<p>___ ___ mm Leaf Length</p> <p>___ ___ mm Leaf Width</p> <p>___ Margin</p>

Application Variety	Comparison Variety
<p>5. FLOWER HEADS:</p> <p>___ ___ mm Head Diameter</p> <p>___ Flower Doubleness: 1 = Single 2 = Semi-Double 3 = Double</p> <p>___ Disk Floret Color: 1 = Yellow 2 = Red 3 = Other (Specify) _____</p> <p>___ Ray Floret Color: 1 = Solid 2 = Bicolor 3 = Multicolored</p> <p>___ Color Chart Used: 1 = Munsell 2 = RHS 3 = Other (Specify) _____</p> <p>Ray Floret Primary Color _____</p> <p>Ray Floret Secondary Color _____</p> <p>Describe Color Pattern (attach photo):</p> <p>_____</p> <p>_____</p> <p>_____</p>	<p>___ ___ mm Head Diameter</p> <p>___ Flower Doubleness</p> <p>___ Disk Floret Color</p> <p>___ Ray Floret Color</p> <p>___ Color Chart Used _____</p> <p>Ray Floret Primary Color _____</p> <p>Ray Floret Secondary Color _____</p> <p>Describe Color Pattern:</p> <p>_____</p> <p>_____</p> <p>_____</p>
<p>6. ACHENES:</p> <p>___ Pubescence: 1 = None 2 = Soft Hairs 3 = Bristly Hairs</p> <p>___ ___ gm Weight per 1000 Seeds</p> <p>___ ___ mm Achene Length</p> <p>___ ___ mm Achene Width</p>	<p>___ Pubescence</p> <p>___ ___ gm Weight per 1000 Seeds</p> <p>___ ___ mm Achene Length</p> <p>___ ___ mm Achene Width</p>
<p>7. DISEASE: (1 = Susceptible; 9 = Resistant)</p> <p>___ Powdery Mildew</p> <p>___ Mosaic Virus</p> <p>___ Fusarium Wilt</p> <p>___ Alternaria Leaf Spot</p> <p>___ Other (Specify) _____</p>	<p>___ Powdery Mildew</p> <p>___ Mosaic Virus</p> <p>___ Fusarium Wilt</p> <p>___ Alternaria Leaf Spot</p> <p>___ Other (Specify) _____</p>

8. COMMENTS: 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 comments and photographs in support of this application may be supplied as part of the Exhibits B or D.)