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**U.S. DEPARTMENT OF AGRICULTURE  
AGRICULTURAL MARKETING SERVICE  
SCIENCE AND TECHNOLOGY  
PLANT VARIETY PROTECTION OFFICE  
BELTSVILLE, MD 20705**

**Exhibit C**

**OBJECTIVE DESCRIPTION OF VARIETY  
Nasturtium (*Tropaeolum* spp.)**

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. At least one year of trials should be conducted within the United States of America. 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. (Form technical content last updated May 1973.)

<p><b>1. SPECIES:</b></p> <p>___ Species: 1 = Majus 2 = Peltophorum (<i>Lobbianum</i>) 3 = Peregrinum 4 = Minus 5 = Other (Specify) _____</p> <p>___ Ploidy: 1 = Diploid 2 = Tetraploid 3 = Other (Specify) _____</p>	<p>Comparison Variety Name _____</p> <p>___ Species</p> <p>___ Ploidy</p>
<p><b>2. PLANT:</b></p> <p>___ Type: 1 = Tall/Climbing (&gt; 60 cm) 2 = Bush (&lt; 60 cm) ___ cm High</p> <p>___ Days from Emergence to Anthesis</p>	<p>___ Type</p> <p>___ cm High</p> <p>___ Days from Emergence to Anthesis</p>
<p><b>3. STEM:</b></p> <p>___ Type: 1 = Succulent, Thick 2 = Not Succulent, Rigid 3 = Woody</p>	<p>___ Type</p>
<p><b>4. LEAF:</b></p> <p>___ Shape: 1 = Scalloped 2 = Divided or Lobed 3 = Entire ___ cm Across (Leaf size) ___ cm Petiole Length</p> <p>___ Surface: 1 = Not Glaucous 2 = Glaucous</p> <p>___ Odor when Crushed: 1 = Mild 2 = Pungent</p> <p>___ Color: 1 = Light Green (Whirlybird) 2 = Medium Green 3 = Dark Green (Glorious Gleam) 4 = Variegated</p> <p>Color Chart Name _____ Color Chart Reading _____</p>	<p>___ Shape</p> <p>___ cm Across (Leaf size)</p> <p>___ cm Petiole Length</p> <p>___ Surface</p> <p>___ Odor when Crushed</p> <p>___ Color</p> <p>Color Chart Reading _____</p>

## Application Variety Data

## Comparison Variety Data

**5. FLOWER:**

- \_\_\_ Type: 1 = Single (< 5 petals) 2 = Semi Double (8–15 petals)  
3 = Double (>15 petals) 4 = Various Types on Same Plant
- \_\_\_ cm Across (Flower Size)
- \_\_\_ cm Peduncle Length
- \_\_\_ Petal Shape: 1 = Pointed 2 = Notched 3 = Entire
- \_\_\_ Petal Margin: 1 = Straight 2 = Wavy
- \_\_\_ Spur: 1 = Absent 2 = Present
- \_\_\_ Spur: 1 = Straight 2 = Curved
- \_\_\_ Pistil: 1 = Absent 2 = Present
- \_\_\_ Pollen: 1 = Absent 2 = Present
- \_\_\_ Flower Color Pattern: 1 = Uniform 2 = Variable on Same Plant
- \_\_\_ Flower Color: 1 = White 2 = Yellow 3 = Orange 4 = Red-Orange 5 = Red  
6 = Scarlet 7 = Maroon 8 = Varicolored (Describe) \_\_\_\_\_
- Color Chart Name \_\_\_\_\_ Color Chart Reading \_\_\_\_\_
- \_\_\_ Dark Spot: 1 = Absent 2 = Present

- \_\_\_ Type
- \_\_\_ cm Across (Flower Size)
- \_\_\_ cm Peduncle Length
- \_\_\_ Petal Shape
- \_\_\_ Petal Margin
- \_\_\_ Spur
- \_\_\_ Spur
- \_\_\_ Pistil
- \_\_\_ Pollen
- \_\_\_ Flower Color Pattern
- \_\_\_ Flower Color
- Color Chart Reading \_\_\_\_\_
- \_\_\_ Dark Spot

**6. DISEASE RESISTANT:** (0 = Not Tested; 1 = Susceptible; 2 = Resistant)

- \_\_\_ Leaf Spot
- \_\_\_ Spotted Wilt
- \_\_\_ Mosaic
- \_\_\_ Other (Specify) \_\_\_\_\_

- \_\_\_ Leaf Spot
- \_\_\_ Spotted Wilt
- \_\_\_ Mosaic
- \_\_\_ Other (Specify) \_\_\_\_\_

**7. INSECT RESISTANT:** (0 = Not Tested; 1 = Susceptible; 2 = Resistant)

- \_\_\_ Aphids
- \_\_\_ Other (Specify) \_\_\_\_\_

- \_\_\_ Aphids
- \_\_\_ Other (Specify) \_\_\_\_\_

**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 photographs in support of this application may be supplied as part of the Exhibits B or D.)

**REFERENCES:**

Bailey, L.H., 1949. *Manual of Cultivated Plants*, Macmillan, New York  
USDA Year Book Separate, 1937. *Improvement of Flowers by Breeding*.

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.