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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
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)		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>___ 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>2. PLANT:</p> <p>___ Type: 1 = Tall/Climbing (> 60 cm) 2 = Bush (< 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>3. STEM:</p> <p>___ Type: 1 = Succulent, Thick 2 = Not Succulent, Rigid 3 = Woody</p>	<p>___ Type</p>
<p>4. LEAF:</p> <p>___ Shape: 1 = Scalloped 2 = Divided or Lobed 3 = Entire ___ cm Across (Leaf size) ___ cm Petiole Length</p> <p>___ Surface: 1 = Not Glauous 2 = Glauous</p> <p>___ Odor when Crushed: 1 = Mild 2 = Pungent</p> <p>___ Color: 1 = Light Green (Whirlybird) 2 = Medium Green 3 = Dark Green (Glorius 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
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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.