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

**OBJECTIVE DESCRIPTION OF VARIETY
Caper Spurge (*Euphorbia lathyris*)**

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:

Place numbers in the boxes (e.g.,) for the characters that best describe typical plants of this variety.

1. MATURITY:

A. 50% Bloom: Date: _____ Location: _____

<input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/>	Number of Days from Planting		
<input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/>		Days Earlier Than	<input style="width: 20px; height: 20px;" type="text"/>	} 1 = Chico 2 = Other _____
<input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/>		Days Later Than	<input style="width: 20px; height: 20px;" type="text"/>	

B. Ripe Seeds:

<input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/>	Days Earlier Than		
<input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/>		Days Later Than	<input style="width: 20px; height: 20px;" type="text"/>	} 1 = Chico 2 = Other _____

2. PLANT: 50% Bloom, Spaced Plants)

<input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/>	cm Height (Ground Level to Top)		
<input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/>		Days Earlier Than	<input style="width: 20px; height: 20px;" type="text"/>	} 1 = Chico 2 = Other _____
<input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/>		Days Later Than	<input style="width: 20px; height: 20px;" type="text"/>	
<input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/>		cm Width (Max Spread)		
<input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/>		cm Narrower Than	<input style="width: 20px; height: 20px;" type="text"/>	} 1 = Chico 2 = Other _____
<input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/>		cm Wider Than	<input style="width: 20px; height: 20px;" type="text"/>	
<input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/>	Grams per Plant (Dry Weight, Ground Level to Top)		
<input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/>	g Lighter Than	<input style="width: 20px; height: 20px;" type="text"/>	} 1 = Chico 2 = Other _____
<input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/>	g Heavier Than	<input style="width: 20px; height: 20px;" type="text"/>	
<input style="width: 20px; height: 20px;" type="text"/>			1 = Annual	2 = Biennial	

3. STEM:

<input style="width: 20px; height: 20px;" type="text"/>	Surface	1 = Glabrous (Chico)	2 = Slightly Pubescent	3 = Pubescent
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3. STEM: (continued)

Color: 1 = Yellow Green (Chico) 2 = Other _____

Branching: 1 = Upper 2/3 of Stem 2 = From Soil Level to Top of Stem (Chico) 3 = Other _____

mm Diameter at Base (Spaced Plants)

mm Thinner Than.....

mm Thicker Than.....

1 = Chico 2 = Other _____

4. LEAVES:

Cauline Leaves

Shape: 1 = Linear 2 = Lanceolate 3 = Linear-Lanceolate 4 = Oblong-Lanceolate
5 = Oblong 6 = Ovate (Adelphi) 7 = Other (Specify) _____

Surface: 1 = Glabrous 2 = Slightly Pubescent 3 = Pubescent

Color: 1 = Grey Green (Chico) 2 = Green 3 = Other (Specify) _____

mm Length

mm Shorter Than.....

mm Longer Than.....

1 = Chico 2 = Other _____

mm Width

mm Narrower Than.....

mm Wider Than.....

1 = Chico 2 = Other _____

Floral Leaves:

Shape: 1 = Ovate 2 = Ovate-Lanceolate 3 = Triangular-Ovate 4 = Cordate
5 = Other (Specify) _____

5. FLOWERS:

mm Cyathium (Cup-shaped Involucre) Height

mm Cyathium Diameter

Petal (Gland Margin) Color: 1 = Yellow-green (Chico) 2 = Other (Specify) _____

Gland Color: 1 = White 2 = Yellow 3 = Orange 4 = Red

6. CAPSULE:

% Shattering 1 = Low (1-10%) 2 = Medium (11-30%) 3 = High (Above 30%)

mm Length

mm Shorter Than.....

mm Longer Than.....

1 = Chico 2 = Other _____

Color (Predominately, At Harvest Maturity) 1 = Buff 2 = Cream 3 = Golden 4 = Green
5 = Brown 6 = Other (Specify) _____

Number of Capsules per Plant (Spaced Plants)

Number of Capsules Less Than.....

Number of Capsules More Than.....

1 = Chico 2 = Other _____

7. SEED:

<input type="text"/>	•	<input type="text"/>	mm Length				
<input type="text"/>	•	<input type="text"/>	mm Shorter Than.....	<input type="text"/>	}	1 = Chico	2 = Other _____
<input type="text"/>	•	<input type="text"/>	mm Longer Than.....	<input type="text"/>			
<input type="text"/>			Color (Predominately):	1 = Tan Buff (Chico)	2 = Brown	3 = Olive Green	4 = Golden
				5 = Other (Specify) _____			
<input type="text"/>			Surface:	1 = Wrinkled (Chico)	2 = Other (Specify) _____		
<input type="text"/>	•	<input type="text"/>	Grams per 1000 Seeds				
<input type="text"/>	•	<input type="text"/>	Grams Lighter Than.....	<input type="text"/>	}	1 = Chico	2 = Other _____
<input type="text"/>	•	<input type="text"/>	Grams Heavier Than.....	<input type="text"/>			

8. DISEASE, INSECT, AND NEMATODE REACTION: (0 = Not Tested, 1 = Susceptible, 2 = Resistant)

<input type="text"/>	<i>Phthium</i> (Damping Off) (Specify Species) _____
<input type="text"/>	<i>Verticillium</i> (Specify Species) _____
<input type="text"/>	<i>Macrophomina phaseolina</i>
<input type="text"/>	Other (Specify) _____

9. INTERNAL CONSTITUENTS: (Give name of extraction process and solvent utilized.)

<input type="text"/>	<input type="text"/>	<input type="text"/>	% "Oil" (Plant-dry wt) _____
<input type="text"/>	<input type="text"/>	<input type="text"/>	% "Oil" (Seeds-dry wt) _____
<input type="text"/>	<input type="text"/>	<input type="text"/>	% Other (Specify) _____
<input type="text"/>	<input type="text"/>	<input type="text"/>	% Other (Specify) _____

10. ADDITIONAL INFORMATION: Such as daylength and/or temperature sensitivity affecting maturity. Describe al characteristics that cannot be adequately described in the form above, in Exhibit D.