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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  
Spinach (*Spinacia oleracea* L.)**

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. 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. PLOIDY:</p> <p>___ Ploidy: 1 = Diploid 2 = Tetraploid 3 = Other (Specify) _____</p>	<p>Comparison Variety Name _____</p> <p>___ Ploidy</p>
<p>2. MATURITY:</p> <p>___ Growth Rate: 1 = Slow (Norgreen) 2 = Medium (Long Standing Bloomsdale) 3 = Fast (Dixie Market)</p> <p>___ Days from planting to prime market stage</p>	<p>___ Growth Rate</p> <p>___ Days to prime market stage</p>
<p>3. PLANT: (Prime Market Stage)</p> <p>___ Habit: 1 = Flat (Viroflay) 2 = Semi-erect (Long Standing Bloomsdale) 3 = Erect (Virginia Savoy)</p> <p>___ Size: 1 = Small (America) 2 = Medium 3 = Large (Giant Nobel)</p> <p>___ cm Spread</p> <p>___ cm Height</p>	<p>___ Habit</p> <p>___ Size</p> <p>___ cm Spread</p> <p>___ cm Height</p>
<p>4. SEEDLING COTYLEDON:</p> <p>___ mm Width</p> <p>___ mm Length</p> <p>___ Tip: 1 = Pointed 2 = Rounded</p> <p>___ Color: 1 = Light Green 2 = Medium Green 3 = Dark Green 4 = Other (Specify) _____</p> <p>Color Chart Name _____ Color Chart Value _____</p>	<p>___ mm Width</p> <p>___ mm Length</p> <p>___ Tip</p> <p>___ Color</p> <p>Color Chart Value _____</p>
Application Variety Data	Comparison Variety Data

Application Variety Data	Comparison Variety Data
<p>5. LEAF: (First Foliage Leaves)</p> <p>___ Shape: 1 = Elliptic 2 = Circular 3 = Ovate 4 = Other (Specify) _____</p> <p style="text-align: center;">    </p> <p>___ Base: 1 = V-shape 2 = Straight 3 = Lobed</p> <p style="text-align: center;">    </p> <p>___ Tip: 1 = Round 2 = Round-pointed 3 = Pointed</p> <p style="text-align: center;">    </p> <p>___ Margin: 1 = Flat 2 = Slightly Curled 3 = Curled Under</p> <p>___ Upper Surface Color: 1 = Light Green (Hollandia) 2 = Medium Green (Giant Nobel) 3 = Dark Green (Long Standing Bloomsdale)</p> <p>Color Chart Name _____ Color Chart Value _____</p> <p>___ Lower Surface Color (Compared with upper surface): 1 = Lighter 2 = Same 3 = Darker</p> <p>Color Chart Name _____ Color Chart Value _____</p>	<p>___ Shape</p> <p>___ Base</p> <p>___ Tip</p> <p>___ Margin</p> <p>___ Upper Surface Color</p> <p>Color Chart Value _____</p> <p>___ Lower Surface Color</p> <p>Color Chart Value _____</p>

<p>6. LEAF: (Prime Market Stage)</p> <p>___ Surface: 1 = Smooth (Viroflay) 2 = Semi-savoy (Northland) 3 = Savoy (Virginia Savoy)</p> <p style="text-align: center;">     </p> <p>___ Shape: 1 = Elliptic 2 = Circular 3 = Ovate 4 = Three-sided</p> <p style="text-align: center;">   </p> <p>5 = Five-sided 6 = Arrow-shaped 7 = Asymmetrical</p> <p style="text-align: center;">    </p> <p>___ Base: 1 = V-shaped 2 = Straight 3 = Lobed</p> <p style="text-align: center;">    </p> <p>___ Tip: 1 = Round 2 = Round-pointed 3 = Pointed</p> <p>___ Margin: 1 = Flat 2 = Slightly Curled 3 = Curled Under 4 = Curled Up</p> <p>___ Upper Surface Color: 1 = Light Green (Hollandia) 2 = Medium Green (Giant Nobel) 3 = Dark Green (Standing Bloomsdale) 4 = Dull Green (Northland)</p> <p>Color Chart Name _____ Color Chart Value _____</p> <p>___ Lower Surface Color (Compared with Upper Surface): 1 = Lighter 2 = Same 3 = Darker</p> <p>Color Chart Name _____ Color Chart Value _____</p> <p>___ Luster: 1 = Glossy 2 = Dull</p> <p>___ Blade Size: 1 = Small (Long Standing Bloomsdale) 2 = Medium (Virginia Savoy) 3 = Large (Giant Nobel)</p> <p>___ Blade Lobing: 1 = Not Lobed 2 = Lobed</p> <p>___ Petiole Color: 1 = White 2 = Light Yellow 3 = Light Green 4 = Medium Green</p> <p>Color Chart Name _____ Color Chart Value _____</p> <p>___ Petiole Red Pigmentation: 1 = Present 2 = Absent</p> <p>___ cm Petiole Length to the Blade</p> <p>___ Petiole Length: 1 = Short 2 = Medium 3 = Long (Viroflay)</p> <p>___ mm Petiole Diameter</p> <p>___ Petiole Diameter: 1 = Small 2 = Medium 3 = Large (Giant Nobel)</p>	<p>___ Surface</p> <p>___ Shape</p> <p>___ Base</p> <p>___ Tip</p> <p>___ Margin</p> <p>___ Upper Surface Color</p> <p>Color Chart Value _____</p> <p>___ Lower Surface Color</p> <p>Color Chart Value _____</p> <p>___ Luster</p> <p>___ Blade Size</p> <p>___ Blade Lobing</p> <p>___ Petiole Color</p> <p>Color Chart Value _____</p> <p>___ Petiole Red Pigmentation</p> <p>___ cm Petiole Length to the Blade</p> <p>___ Petiole Length</p> <p>___ mm Petiole Diameter</p> <p>___ Petiole Diameter</p>
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