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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
Beet Chard (*Beta vulgaris*)**

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 the appropriate number that describes the varietal character typical of this variety in the spaces below.

Place a zero in the first box (e.g. or) when number is either 99 or less or 9 or less.

1. KIND:

1 = Garden Beet 2 = Sugar Beet 3 = Mangel 4 = Chard 5 = Other (Specify) _____

2. TYPE (SUGAR):

1 = High Tonnage Yield 2 = High Sugar Yield 3 = Combination Yield

3. CHROMOSOME POIDY:

1 = Diploid 2 = Tetraploid 3 = Other (Specify) _____

<p>4. SEED:</p> <p><input type="checkbox"/> 1 = Multigerm 2 = Monogerm</p>	<p>5. REGION OF BEST ADAPTATION (Map attached):</p> <p><input type="checkbox"/> 1 = Farwest 2 = West 3 = Midwest 4 = Northeast 5 = Most Regions</p>
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6. MATURITY: () Days

<input type="text" value=""/> <input type="text" value=""/> No. of Days Earlier Than..... <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> No. of Days Later Than..... <input type="text" value=""/>	1 = Ruby Queen 3 = US H 9B 5 = Giant Lucullus	2 = US H-20 4 = Jumbo Long Red
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7. LEAF:

<input type="checkbox"/> Number: 1 = Sparse (10 – 15) 2 = Numerous (15 and over)	<input type="checkbox"/> Carriage: 1 = Spreading 2 = Semierect 3 = Erect
<input type="checkbox"/> Dimension 1 = Longer than Broad 2 = Broader than Long 3 = Equal	<input type="checkbox"/> Apex: 1 = Pointed 2 = Rounded
<input type="checkbox"/> Surface: 1 = Smooth 2 = Blistered	<input type="checkbox"/> Surface: 1 = Dull 2 = Glossy

7. LEAF: (continued)

Margin: 1 = Wavy 2 = Curled 3 = Other (Specify) _____ Margin: 1 = Entire 2 = Incised
 Color: 1 = Light Green 2 = Green 3 = Purplish Green 4 = Crimson 5 = Other (Specify) _____
 Color Change (Spring Planting): 1 = Reddens Early 2 = Redeens Midseason 3 = Reddens Late 4 = Does not Redden
 Veins: 1 = White 2 = Yellow 3 = Green 4 = Orange 5 = Red 6 = Other (Specify) _____
 Average Measurement of Largest Leaf on Each of 10 Plants (without Petiole) cm Long cm Wide

8. PETIOLE:

Color: 1 = White 2 = Yellow 3 = Green 4 = Orange 5 = Red 6 = Crimson 1 = Not Twisted 2 = Twisted
 cm Long cm Wide

9. ROOT (Spring planted):

1 = Not Fleshy 2 = Fleshy mm Crown Diameter
 Shoulder Shape: 1 = Square 2 = Sloping 3 = Rounded
 Shape: 1 = Flattened 2 = Oblong 3 = Spherical 4 = Conical 5 = Cylindrical
 Surface Color – Above ground: } 1 = White 2 = Yellow 3 = Orange
 Surface Color – Below ground } 4 = Red 5 = Purple 6 = Brownish Red
 Surface Texture: 1 = Smooth 2 = Roughened 3 = Wrinkled
 Flesh Color: 1 = White 2 = Yellow 3 = Orange 4 = Vermillion 5 = Light Red 6 = Dark Red
 Cross Section Zones: 1 = Indistinct 2 = Distinct
 mm Length of Root mm Largest Diameter Tap Root 1 = Fine 2 = Medium 3 = Coarse
 Exposure Above Ground 1 = None 2 = 25% 3 = 50% 4 = 75%

10. FLOWER COLOR:

Stamens: 1 = Whitish Green 2 = Pink 3 = Red Stigma: 1 = Whitish Green 2 = Pink 3 = Red

11. SEED STALK (At Maturity):

cm High cm Above Foliage

12. BOLTING:

More Resistant Than..... 1 = US H 9 B 2 = US H 20
 Less Resistant Than 3 = Ruby Queen 4 = Jumbo Long Red 5 = Giant Lucullus

13. STORAGE LIFE:

1 = Longer than US H 20 2 = Shorter than US H 20

14. DISEASE RESISTANCE (0 = Untested; 1 = Susceptible; 2 = Resistant):

Cercospora Leaf Spot Clubroot Crown Rot (*Rhizocionia*)
 Curly Top Cyst Nematode Downy Mildew
 Root Rot (Black root – *Aphanomycea*) Yellows (Specify) Other (Specify) _____

15. INSECT RESISTANCE: Root Maggot Other (Specify) _____**16. INDICATE VARIETIES WHICH MOST CLOSELY RESEMBLE THAT SUBMITTED:**

CHARACTER	NAME OF VARIETY
Foliage Type	
Size of Leaves	
Number of Leaves	
Root Type	
Root Size	
Root Color (Surface)	
Flesh Color	
Juice Purity	
Percent Sucrose	

COMMENTS: