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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
Fennel (*Foeniculum vulgare*)**

NAME OF APPLICANT (S)	TEMPORARY OR EXPERIMENTAL DESIGNATION	VARIETY NAME
ADDRESS (Street and No. or RD No., City, State, Zip Code and Country)		<div style="background-color: #cccccc; padding: 2px;">FOR OFFICIAL USE ONLY</div> PVPO NUMBER

PLEASE READ ALL INSTRUCTIONS CAREFULLY:

Place numbers in the boxes to designate the expressions that are characteristic of the application variety. Data for quantitative plant characters should be based on a minimum of 50 plants. Include leading zeros when necessary (e.g., 09 or 096) for quantitative data. Comparative data should be determined from varieties entered in the same trial with the same planting or transplant date. Plant colors may be precisely designated by using any recognized color chart, e.g., The National Bureau of Standards Color Kit 2107.

1. PLANT:

- _____ Stem Type: 1 = Hollow 2 = Pithy
- _____ Habit: 1 = Bulbed 2 = Leaf only 3 = Seed
- _____ Plant Height in cm.

2. BULBS:

	Class 18	Class 24	Class 30	Class 36
% of Bulbs	_____	_____	_____	_____
Average weight	_____	_____	_____	_____
Average height	_____	_____	_____	_____
Average length	_____	_____	_____	_____
Average width	_____	_____	_____	_____
___ Shape of bulb longitudinal section parallel to leaf sheaths	1 = Elliptic	2 = Circular	3 = Elliptic Transverse	4 = Broad Rectangular
___ Shape of bulb longitudinal section transverse to leaf sheaths	2 = Elliptic	2 = Circular	3 = Flat	
___ Shape of bulb cross section	1 = Elliptic	2 = Circular	3 = Narrow Elliptic	
___ Bulb Color	1 = White	2 = Green		

3. LEAF:

- ___ Color 1 = Green 2 = Other
- ___ Leaf Attitude 1 = Erect 2 = Semi-erect
- ___ Leaf Appearance 1 = Dense 2 = Loose

3. LEAF: (continued)

___ Total Leaf Length in cm

___ Total Leaf Width in mm

___ Sheath Length 1 = Short 2 = Medium 3 = Long

___ Sheath Width 1 = Narrow 2 = Medium 3 = Broad

4. CHEMICAL CONTENT:

___ % Palmitic Acid

___ % Oleic Acid

___ % Linoleic Acid

___ % Fenchone

___ % Estrgole

___ % Anethole

5. FLOWER:

___ Average Number of Umbels

___ Average Number of Umblets/Umbel

___ # of Seeds/Umblet

___ gm/100 Seeds

___ Width of Umbel in cm

___ Color of Buds

___ Shape of Buds

___ Color of Pistil

___ Color of Stamen

___ Color of Petals

___ Bolting 1 = Early 2 = Medium 3 = Late

6. MATURITY:

___ Days to First Umbel

___ Days to Last Umbel

___ Days to 50% Flower

___ Days to White Hairs on Bud

___ Days to First Noticable Increase in Bud Size

___ Days to Fully Developed Bud, (Ovaries and Stamen Developed)

___ Days to Fully Opened Flower

7. DISEASE/PESTS:

___ *Penicillium oxalicum*

___ *Aspergillus flavus*

___ *Aspergillus niger*

___ *Aspergillus fumigatus*

7. DISEASE/PESTS: (continued)

- ___ *Aspergillus tamaritii*
- ___ *Aspergillus glaucus*
- ___ *Alternaria* spp.
- ___ *Candida* spp.
- ___ *Cladosporium* spp.
- ___ *Curvularia* spp.
- ___ *Helminthosporium* spp.
- ___ *Memnoniella* spp.
- ___ *Monilia* spp.
- ___ *Mucor* spp.
- ___ *Thrips flavus* Schrank