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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 Garden Bean (Phaseolus vulgaris L.)

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 of this variety in the boxes below. Place a zero in the first box (e.g., 0 9 9 or 0 9) when number is either 99 or less or 9 or less respectively. Data for quantitative plant characters should be based on a minimum of 100 plants. Comparative data should be determined from varieties centered in the same trial. Measured data should be for SPACED PLANTS. Ranges should also be given. Royal Horticultural Society or any recognized color standard may be used to determine plant colors; designate system used: Please answer all questions for your variety; lack of response may delay progress of your application.						
1. TYPE: 1 = Garden 2 = Flageolet 3 = Romano						
2. MARKET MATURITY: Days to Edible Pods Heat Units to Edible Pods Number of Days Earlier Than Same As Number of Days Later Than	Comparison Varies 1 = Tender crop 3 = Gold rush 5 = Gitana 7 = Bush Blue Lal Comparison Variety 8 = Other (Specify	2 = Kentucky Wonder 4 = Slenderette 6 = Provider				
4 = Indeterminate Climi cm Height cm Shorter Than	Weak and Prostrate Stem and Branches bing Habit with Weak, Long, and Twisted Stem and Brar	oches Omparison Varieties from Section 2				

3. PLANT: (continued)			
cm Spread			
cm Narrower Than	7)		
Same Width As	Comparison Variety	Use Comparison Varieti	es from Section 2
cm Wider Than			
Pod Position: 1 = Low	2 = High 3 = Scattered		
Bush Form (Illustrated Below)		Acitro	
1 = Spherical Bush Form	2 = Stem Bush Form	3 = Wide Bush Form	4 = High Bush Form
5 = Other (Specify)			_
Size: 1 = Small (Gita Color: 1 = Light Greer 2 = Medium Gr	n (as Light or Lighter than Gold Rush)	e (Tender Crop) se 290)	
Flowers	(1 = Absent 2 = Present) Stems Petioles Peduncle	Seeds Nodes	
6. FLOWER COLOR AND DAYS TO B	LOOM:		
Color of Standard Color of Wings Color of Keel Days to 50% Bloom	Flower Color Choic 1 = White 2 = Cre 3 = Pink 4 = Lile 5 = Purple 6 = Blu 7 = Other (Specify)	eam ac ue	
7. PODS (Edible Maturity):			
(Fresh)	1 = Light Green (as Light or Lighter than 2 = Medium Green 3 = Dark Green (as Dark or Darker than 4 = Yellow (Gold Rush) 5 = Green-red Variegated (Horticultural) 6 = Other (Specify)	Bush Blue Lake 290)	_
Processed Pods (Exterior Colo	or): 1 = Light (Tender Crop)	2 = Dark (Bush Blue Lake 290)	
Dry Pod Color:	1 = Buckskin (Sprite)	2 = Green, Persistent Chlorophyll (Hystyle)	

7. PODS (continued):	
Cross Section Pod Shape: 1 = Flat 2 = Heart (Pear) 3 = Round 4 = Figure Eight	
(Middle of the Pod)	
Crease Back: 1 = Present 2 = Absent	
Pubescence: 1 = None (Slenderette) 2 = Sparse 3 = Considerable (Provider or Sprite)	
Constriction (Interlocular Cavitation): 1 = None 2 = Slight 3 = Deep	
mm Spur Length	
Fiber: 1 = None (Bush Blue Lake 290) 2 = Sparse 3 = Considerable (Sprite)	
Number of Seeds per Pod	
Suture String: 1 = Present 2 = Absent	
Seed Development: 1 = Slow (Bush Blue Lake 290) 2 = Medium 3 = Fast (Provider)	
Machine Harvest: 1 = Adapted 2 = Not Adapted	
Percent sieve size distribution at optimum maturity for not-flat pods	
4.76 to 5.76mm 5.76 to 7.34mm 7.34 to 8.34mm 8.34 to 9.53mm 9.53 to10.72	mm >10.72mm
% % % %	% %
	Il mm Thickness
8. SEED COLOR:	
Seed Coat Luster: 1 = Shiny 2 = Dull 3 = Semi-Shiny 4 = Variable	
Seed Coat: 1 = Monochrome 2 = Polychrome	
Primary Color: 1 = White 2 = Yellow 3 = Buff 4 = Tan 5 = Brown 6 = Pink 9 = Blue 10 = Black 11 = Other	7 = Red 8 = Purple
Secondary Color: 1 = White 2 = Yellow 3 = Buff 4 = Tan 5 = Brown 6 = Pink 9 = Blue 10 = Black 11 = Other	7 = Red 8 = Purple
Seed Coat Pattern: 1 = Solid 1 = Splashed 3 = Mottled 4 = Striped 5 = Flecked 6 = Dotted	
Hilar Ring: 1 = Absent 2 = Present	
Hilar Ring Color: 1 = White 2 = Yellow 3 = Buff 4 = Tan 5 = Brown 6 = Pink 9 = Blue 10 = Black 11 = Other	7 = Red 8 = Purple
9. SEED SHAPE AND SIZE:	
Hilum View:	
1 = Elliptical 2 = Oval 3 = Round	
Cross Section: 1 = Elliptical 2 = Oval 3 = Cordate 4 = Round	

9. SEED	SHAPE AND SIZE:	(continued)						
	Side View:			:		~		
		and the same of th		•	Carrie Land			
		1 = Oval to Oblong	2 = Round		3 = Re	eniform		
	gm/100 Seeds gm/100 Seeds gm/100 Seeds gm/100 Seeds	Lighter Than Same As	Comparison Variety					
10. DISE	EASE RESISTANCE:	0 = Not Tested 1 = Susce	eptible 2 = Resistant 3 =	= Interme	ediate 4 = Tolerant			
	Bean Rust (<i>Uromyc</i>	Race Alpha Race Delta Race Kappa es appendiculatus) Race 38 Race 45	Race Beta Race Epsilon Specify Race Race 39 Race 46		Race Gamma Race Lambda Race 40 Race 49		Race 44 Race 50	
		Race 51	Race 52		Race 54		Race 56	
		Race 59	Race 72					
	Pythium Root Rot (A) Aphanomyces Root Rhizoctonia Root Ro Pythium Blight or Ae Angular Leaf Spot (A) Bacterial Wilt (Cory) Bacterial Brown Spot Common Bacterial B Halo Blight (Pseudo	(Fusarium solani f. sp. phase Pythium spp.) Rot (Aphanomyces euteice ot (Rhizoctonia solani) ereal Pytium (Pythium ultim disariopsis griseola) enebacterium flaccumfaciene ot (Pseudomonas syringae Blight (Xanthomonas camp monas syringae pv. phase Race 1	hes) num) s subsp. flaccumfaciens) pv. syringae) estris pv. phaseoli)					
	Clover Yellow Vein							
		aic Virus (BCMV) BV1 NL4 Mexican Other (Specify)	NY15 NL8 Western		NL2 Florida Type		NL3 Idaho	

				Exhibit C (Garden Bean)
10. D	IES	SAES (Continued):		Exhibit C (Garden Bean)
		Yellow Bean Mosaic Virus (BYMV) Curly Top Virus (BCTV) Other (Specify Disease and Race or Strain		
		Other (Specify Disease and Race or Strain Other (Specify Disease and Race or Strain Other (Specify Disease and Race or Strain		
11. I	NSE	ECT RESISTANCE: 0 = Not Tested 1 = Susceptible 2 = Re	esistant 3 = Intermediate 4 = Tolerant	
		Aphid	Root Knot Nematode	
		Leafhopper	Seed Corn Maggot	
		Lygus	Thrips	
		Pod Borer	Weevils	
		Other (Specify)		
		Other (Specify)		
		Other (Specify)		

COLOR: Royal Horticultural Society Colour Chart; Munsell book of color or any recognized color fan may be used to determine color of the described variety.

Drought

12. PHYSIOLOGICAL RESISTANCE: 0 = Not Tested 1 = Susceptible 2 = Resistant 3 = Intermediate 4 = Tolerant

Cold

Ozone

13. COMMENTS:

Heat

Air Pollution

Other (Specify)