

The Animal and Plant Health Agency Scottish Government Welsh Government Department of Agriculture and Rural Development

Technical Questionnaire (VEGETABLE PEA)

Plant Varieties Act 1997 and The Seeds (National Lists of Varieties) Regulations 2001 (as amended)

Official Use Only				
Ref.	AFP	11	1 /	
GM		Yes		No
Other Restric	tions	Yes		No

Р	lease	note

- The completed TQ and the application will form part of the public record for this variety
- The seed submitted for DUS in the first year will be regarded as the definitive stock
- All relative sections of this form must be completed. An incomplete form may result in a delay in processing the application

		led to NLPBR-Applications@apha.gsi.gov.uk				
	ernatively forms may be sent to					
	The Animal and Plant Health Agency, Eastbrook, Shaftesbury Road, Cambridge, CB2 8DR Telephone 0208 026 5993.					
	ion 1 - Application Details					
(a)	National Listing (NL)	Plant Breeders' Rights (PBR) Parental Line (PL)				
(b)	Species: Latin name Pis	um sativum L.				
(c)	Type: Wrinkled	Round Sugar				
(d)	<u> </u>	ons already made or to be made in any other countries				
	Country Date	Application No. NL PBR Variety name or Breeders' reference				
(e)	Has an application for Europea	an Community Plant Breeders' Rights (ECPBR) been made? Yes No				
(0)		'Yes', Please state date of application				
		res, i lease state date of application				
Sect (a)	ion 2 – Applicant details Name and address of applicar	nt for				
(α)	National Listing:					
	-					
	 Plant Breeders' Rights (if different) 					
	(ii dilierent)					
	Name and address					
	of breeder:					
	Name and address for					
	correspondence: Is the address for:					
	service					
	• agent					
An agent is authorised to act for the applicant on all aspects of an application, including instructions to withdraw applications, delete from a National List or surrender Plant Breeders' Rights						
Section 3 - Variety denomination						
(a)	Where appropriate proposal fo					
(b)	Provisional designation (bre	 eder's name/reference)				
(-)						
ļ						

Sect 4.1	Do you wish the details and data data related to their cultivation to If 'yes', please give this information	on the separate form for confidential info ata relating to the components of hybrid v	Yes No mation.
4.2	Origin		
(a)	Seedling (indicate parent varieties)		
(b)	Mutation (indicate parent variety)		
(c)	Discovery (indicate where, when and he	ow the variety has been developed)	
(d)	Other (please specify)		
()	\(\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		
4.3	Method of propagation		
(a)	Cuttings		
(b)	In vitro propagation		
(c)	Seed		
(d)	Other (please specify)		
4.4	Other information	or making all of graduations	
(a)	In the case of seed propagated varieties Self-pollinated	s: metnoa of production:	
(b)	Cross-pollinated (please give details)		
(5)	Cross polimated (product give detaile)		
(c)	Hybrid (please give details)		
(0)	Tybria (picase give details)		
4.5	Geographical origin of the variety	r: the region and the country in which the	variety was bred or discovered
	and developed	,	,
		to be indicated (the number in brackets re e mark the state of expression which bes	
Criai	Characteristic	Example varieties	Note
5.1 (1)	Plant: anthocyanin colouration		
ν.,	Absent	Avola, Solara	1
	Present	Pidgin, Rosakrone	9

	Characteristic	Example varieties	Note
5.2 (4)	Stem: length		<u></u>
	Very short	Zephir	1
	Short	Nobel, Mini	3
	Medium	Calibra, Xantos	5
	Long	Blauwschokker, Livia	7
	Very long	Mammoth Melting Sugar	9
5.3 (5)	Stem: number of nodes up to ar	nd including first fertile node	
(-,	Very few	Kelvil	1
	Few	Smart, Zero4	3
	Medium	Markana, Susan	5
	Many	Cooper	7
	Very many	Regina	9
5.4 (6)	Foliage: colour		
(-)	Yellow green	Pilot	1
	Green	Avola, Paris, Progreta, Waverex	2
	Blue green	Polar	3
5.5 (8)	Leaf: leaflets		
(-)	Absent	Hawk, Solara	1
	Present	Avola, Rhea	9
5.6 (19)	Stipule: flecking		
` ,	Absent	Lisa, Tafila	1
	Present	Avola, Maro	9
5.7 (23)	Time of flowering		
(- /	Very early	Tempo	1
	Early	Smart, Zero4	3
	Medium	Carlton, Waverex	5
	Late	Cooper, Purser	7
	Very late	Livioletta	9
5.8 (24)	Only varieties with stem fasciati	on absent: Plant: maximum number of t	lowers per node
` ,	One	Progress N° 9, Tyla	1
	Two	Banff, Cooper	3
	Three	Ultimo, Zodiac	5
	Four or more	Arnesa, Calibra, Survivor	7

	Characteristic	Example varieties	Note
5.9 (25)	Only varieties with plant anthocyan	in colouration present: Flower: colo	our of wing
	White with pink blush		1
	Pink	Rosakrone	2
	Reddish purple	Assas	3
5.10 (28)	Flower: shape of base of standard		
` ,	Strongly raised		1
	Moderately raised	Progreta	3
	Level	Markado, Solara	5
	Moderately arched	Avola, Cooper	7
	Strongly arched	Bohatyr, Kennedy	9
5.11 (35)	Pod: length		
` ,	Very short	Cepia, Vermio	1
	Short	Progreta, Solara	3
	Medium	Cooper, Jof	5
	Long	Hurst Green Shaft, Protor	7
	Very long	Tirabeque	9
5.12 (36)	Pod: width		
` ,	Very narrow	Claire	1
	Narrow	Picar, Ultimo	3
	Medium	Progreta, Solara	5
	Broad	Finale, Kahuna	7
	Very broad	Kennedy	9
5.13 (37)	Pod: parchment		
	Absent or partial	Sugar Ann	1
	Entire	Avola, Solara	2
5.14 (38)	Excluding varieties with pod parchr	nent: entire: Pod: thickened wall	
` ,	Absent	Nofila, Reuzensuiker	1
	Present	Cygnet, Sugar Ann	9
5.15 (39)	Only varieties with pod: thickened v	vall: absent: Pod: shape of distal pa	art
()	Pointed	Jof, Oskar	1
	Blunt	Avola, Solara	2

	Characteristic	Example varieties	Note
5.16 (41)	Pod: colour		<u></u>
	Yellow		1
	Green	Avola, Solara	2
	Blue green	Show Perfection	3
	Purple	Blauwschokker	4
5.17 (43)	Excluding varieties with pod parch	ment: entire: Pod: suture strings	
` ,	Absent	Nofia, Sugar Lace	1
	Present	Crispi, Reuzensuiker	9
5.18 (44)	Pod: number of ovules		
` ,	Few	De Grace, Phoenix	3
	Medium	Backgammon, Hawk	5
	Many	Karisma	7
5.19 (45)	Immature seed: intensity of green c	olour	
` ,	Light	Arabelle, Solara, Ultimo	3
	Medium		5
	Dark	Dark Skin Perfection, Hawaii	7
5.20 (47)	Seed: type of starch grains		
	Simple	Adagio, Maro, Solara	1
	Compound	Avola, Polar	2
5.21 (50)	Seed: colour of cotyledon		
	Green	Avola, Solara	1
	Yellow	Caractacus, Hardy	2
	Orange		3
5.22 (51)	Only varieties with plant anthocya	nin colouration present: Seed: marbling	of testa
	Absent	Rhea, Rif	1
	Present	Assas, Pidgin	9
5.23	Only varieties with plant anthocya	<u>nin colouration present</u> ։ Seed: violet or բ	oink spots on testa
(52)	Absent	Pidgin, Rif	1
	Faint	Assas, Susan	2
	Intense	Arvika, Rhea	3

	Characteristic	Examp	le varieties	Note
5.24 (53)	Seed: hilum colour			
	Same colour as testa	Avola,	Solara	1
	Darker than testa	Nofila, Rif		2
5.25 (55)	Seed: weight			
	Very low	Ulti	mo	1
	Low	Hawk, I	lceberg	3
	Medium	Mammoth Melting	g Sugar, Phoenix	5
	High	Kenned	y, Maro	7
	Very high	Bamby,	Kabuki	9
Sect	ion 6 – Similar varieties ar	nd differences from these	varieties:	
	Denomination of	Characteristic in which the	State of expression of	State of expression of
	similar variety	similar variety is different ¹	similar variety	candidate variety
	1			
		ates of expression of both va	•	size of the difference.
		tion which may help to dis	tinguish the variety	
7.1	Resistance to pests and	diseases	Resistant Susce	eptible Not tested
	Fusarium Wilt (Race 1) (Co	ommon Wilt)		The residual control of the re
	Fusarium Wilt (Race 5) (Co	ommon Wilt)	i i	i ii
	Fusarium Wilt (Race 6) (Common Wilt)			
	Erysiphe pisi Syd. – Powdery mildew			= = = = = = = = = = = = = = = = = = =
	Ascochyta pisi Race C ((leaf and pod spot)			
	Other Resistances (please specify)			
7.0	One with the con-			
7.2	Growth type			
	Dwarf			
	Non-dwarf			
7.3	Special conditions for the	e examination of the variet	у	
	Yes, please specify			
	No			
		special DUS test an approp	riate charge will be levied	
		,	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	

7.4	Use				
	Fresh market				
	Canning				
	Freezing				
	Dry seed for human consumption				
	Dry protein				
	Forage				
	Other (please specify)				
7.5	Other information				
	Yes, please specify				
	No				
Soct	ion 8 - GMO and other Novel types				
Seci	Does this application relate to a Ge	netically Modified Organ	sm as de <u>fined</u> in Se	ction 106 of the	
	Environmental Protection Act 1990	?	Yes		No
	If "Yes" you must complete form PV	•	ed and other Novel C	Candidates.	
Sect 9.1	ion 9 - Information on plant mater The expression of a characteristic of	or several characteristics		affected by factors, s	such as
9.2	pests and disease, chemical treatm The plant material should not have			the expression of the	
J.Z	characteristics of the variety, unless material has undergone such treatn indicate below, to the best of your k	s the competent authoriti nent, full details of the tre	es allow or request seatment must be give	such treatment. If the en. In this respect, pl	e plant ease
	(a) Micro-organisms (eg virus, bacte	•	Yes	,	No
	(b) Chemical treatment (eg growth	retardant or pesticide)	Yes		No
	(c) Tissue culture		Yes		No
	(d) Other factors		Yes		No
	Please provide details of where you	ı have indicated "Yes"			
	aration				
	declare that to the best of my/our knowle	edge and belief the statem	ents made in this Tech		e correct
Sign	ature of Applicant			Date	
	. BL00KL#	(original signature unless e	mailed)		
Nam	e in BLOCK letters				
For a	and on behalf of				