

PISUM CULTIVAR DATABASE - CULTIVAR DESCRIPTION

CULTIVAR: Frila DATE: 18.12.84

AFP: 11109

GENE CHARACTER STATES

FOLIAGE CHARACTERS

le Habit 0 tall 1 dwarf 1

bif	Stem bifurcate	0 absent	1 present	0
af	teaflets	0 present	1 absent	0
	Foliage type			
st	Stipules	0 normal	1 reduced	0
	Stipule length	(at 2FN)		39 mm
fl	Flecking	0 present	1 absent	4
	Flecking intensity	3 slight	5 medium	7 much
	Leaflet tip shape	3 point	5 obtuse	7 truncate
td	Dentation	0 present	1 absent	0
	Leaf dentation	3 slight	5 medium	7 much
fas	Fasciation	0 absent	1 present	0
d	Axil ring	0 double	1 single	
		2 two spot	3 four spot	4 absent
	Foliage colour	3 pale	5 medium	7 dark
cov	Foliage blue	0 absent	1 present	0
o	Foliage yellow	0 absent	1 present	0
un	Leaflet margin	0 not-undulate	1 undulate	0

FLOWER CHARACTERS

Days to flowering (after Orfac) 9

Days to last flower

First flowering node

First fertile node 16

fn:fna	Flowers	0 0 one	
		1 0 two	
		11 three or more	10
	Flowers at 2FN		2.0
dt	Peduncle	0 long	1 snor'
	Peduncle length		mm
	Standard width		21 mm
	Standard base shape	3 raised	5 level
		7	arched
	Mucro	3 short	5 medium
		7	large
Ko	Keel spot	0 present	1 absent
			h

LEGEND:

h - hidden

c - to be checked

s - segregation

unrecorded

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GENE CHARACTER STATES

POD CHARACTERS

bt Pod tip shape 0 blunt 1 pointed 0

	Pod wall colour	3 pale 7 dark	5
dp	Pod wall blue	0 absent 1 present	
	Fresh seed colour	3 pale 7 dark	7
	Pod curvature	1 slight 5 medium 7 intense	2
	Pod length		45 mm
	Pod breadth		10 mm
	Ovules		7 • 4
	100 seed weight		19.2 gm
	Stem length at H3		35 cm
Pu	Pod pigment	0 purple 1 partial 2 slight 3 green	h
sru	Suture	0 green 1 purple	
rup	Anthocyanin spots	0 absent 1 present	h
n	Pod wall	0 normal 1 thickened	0
Np	Neoplasms	0 present 1 absent	
sin	Suture strings	0 present 1 absent	0
gp	Yellowish pods	0 absent 1 present	0
	Parchment	1 absent 2 partial strip 3 strip 4 double strip 5 strip & patches 6 marginate 7 interrupted thin 8 thin 9 thick	9

SEED CHARACTERS

a Anthocyanin 0 present 1 absent 1

z	Furca	0 absent 1 present	
mp	Enlarged furca	0 absent 1 present	
M	Testa marbling	0 present 1 absent	1
l	Round	0 absent 1 present	h
di	Dimple	0 absent 1 present	h
i	Cotyledon colour	0 yellow 1 green	
r	Starch grains	0 simple 1 compound	!
rb	Simple grains	0 smooth 1 irregular	
PI	Hilum	0 black 1 not-black	1
	Seed spotting	0 strong 1 present 2 absent	h
mifo		0 absent 1 present	1
Tra	Tragacanth	0 present 1 absent	c
Obs	Obscuratum	0 present 1 absent	h
fov	Slit	0 absent 1 present	2
gri		0 absent 1 present	0
	Surface wrinkling	0 absent - 9 intense	1
	Shape	1 spherical 2 aspherical 3 drum 4 disc 5 wedge 6 irregular 7 rhomboid	3 to

NEW VARIETIES

Wlodarczyk, A. Garden Plant Breeding Enterprise, Warsaw, Poland

'NIKE' - mutant from variety 'Delikates'. Length of stem 95-120 cm. Late, 15 nodes to flower, about 70 days to edible maturity. Pods 8-10 cm, slightly curved. Fresh seeds are dark green, 8-10 mm, with 390-440g per thousand seeds (TGW). Dry, wrinkled seeds - 190g TGW. Suitable for freezing and canning. Resistant to BYMV.

'JAREK' - From cross of 'Kronnenerbse 756/60' x 'Delisa II'. Fasciated. Stem length 60-65 cm. Pods straight to slightly curved, 6-7 mm. Fresh and dry seeds green. TGW of dry seeds 195g. Sixty-two days to edible maturity. Uniform ripening. Resistant to BYMV.

'RARYTAS' - From 'Beta' x 'Deli' cross. Dense plant habit, short stem (55-70 cm). Pods slightly curved, ripen simultaneously. Seeds are dark green, 7-8 per pod. TGW of fresh seeds - 310-330g. Dry, wrinkled seeds are yellowish green with 170-190g TGW. Sixty-two days to maturity. Suitable for freezing and canning. Resistant to BYMV.

'METEOR' - From 'Delisa' x 'Eispearl' cross. Length of stem 65-75 cm. Long pods (9 cm), two per peduncle. Seeds dark green, 8-10 per pod, 7.5 mm in diameter. Fifty-seven days to edible maturity.

'IWETA' - From 'Delisa II' x 'Gloriosa*'. Stem length 60-70 cm. Pods 8 cm long, two per peduncle. Seeds are dark green, 7-8 per pod, 7-7.3 mm in diameter. Sixty days to maturity.

NEW CULTIVARS - DRY PEAS

'ASTER' - From cross of 'Flavanda' x 'Auralia'. Stem of medium length, with 16-20 internodes. First pods form on nodes 10-12. Pod length about 6.5 cm. Smooth, yellow seeds, TGW 280g. Improved resistance to lodging. Length of vegetation period comparable to Polish standard variety 'Opal'. High yielding.

Plant Breeding Station
Lipie, 88-141 Wierzchoslawice, Poland

'KORAL' - From cross 'Neuga' x [('Kujawski Wczesny' x 'Ceser') x • (<'Bulawa' x 'Iwo') x 'Bulawa'>], Stem of medium length, 14-20 internodes. First pods borne on nodes 11-14. Pods 6.3 cm long. Smooth, yellow seeds, TGW 280g. Vegetation period longer than 'Aster'. High yield and high seed protein content.

Plant Breeding Station
Sobotka, 63-450, Poland

POLAR - NEW GARDEN PEA CULTIVAR

Pedzinski, M. Garden Plant Breeding Station, Nochowo, Poland

From cross of 'Pickardie' x 'Laser'. Length of stem 65-90 cm, dense plant habit. Early variety (65-75 days). Simultaneously ripening; 6-8 seeds per pod. Fresh seeds are green, of medium size. Leaves without flecking. High yielding. Suitable for freezing and canning. Resistant to BYMV.