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Snowbird

Faba bean

Denomination: 'Snowbird'
Botanical Name: *Vicia faba*
Applicant/Holder: Limagrain Europe SA
Biopole Clermont-Limagne
Rue Henri Mondor
Saint Beauzire
63360
France
Breeder: Innoseeds B.V., Vlijmen, Netherlands
Agent in Canada: Limagrain Cereals Research Canada
843-58th Street East
Saskatoon, Saskatchewan
S7K 6X5
Canada
Tel (telephone): 306-242-0973
Application Date: 2001-11-15
Application Number: 01-2872
Grant of Rights Date: 2003-09-22
Certificate Number: 1558
Grant of Rights: 2021-09-22
Termination Date:

Variety Description

Variety used for comparison: 'Scirocco'

Summary: *'Snowbird' is a faba bean variety that produces plants with more stem nodes, up to and including the first flowering node, than the reference variety 'Scirocco'. 'Snowbird' does not have tannin whereas in 'Scirocco' tannins are present. The flower of 'Snowbird' does not have a wing melanin spot and there is no stem anthocyanin, both characteristics which are present in 'Scirocco'. The seed pods of 'Snowbird' are shorter than those of the reference variety and the seed weight is lighter.*

Description:

'Snowbird' is a faba bean variety which has no seed tannin and which produces plants with medium green foliage. The variety flowers mid-season and there is no stem anthocyanin. The wing of the flower has no melanin spot and there is no anthocyanin colouration in the flower standard. The growth type is mainly determinate. In longitudinal section the dry seed is elliptic in shape and the colour of the testa immediately after harvest is grey beige. There is no black pigmentation of the hilum.

Origin & Breeding History: 'Snowbird' originated from a selection from the crossing of the varieties Alfred B x 8103. The original cross was made in 1989. In 1990 a single plant was selected in the F2, followed by line selection and replicated yield trials. The experimental number for 'Snowbird' was Cebeco 96921. The breeding process was carried out at the applicant's breeding station in Lelystad, The Netherlands. In the breeding of 'Snowbird' the selection criteria were yield, resistance to disease, resistance to lodging and earliness in maturity.

Tests & Trials: Tests and trials for 'Snowbird' were conducted at Westlock, Alberta during 2001 and 2002. The trials consisted of 4 replicates per variety. Each plot was planted in 4 rows, spaced at 28cm (centimetres), seeded to 6 metres and trimmed to 4 metres. Measured characteristics were based on a minimum of 30 measurements.

Comparison tables for 'Snowbird' with reference variety 'Scirocco'

Length of leaflet (basal pair at second flowering node) (cm (centimetres))

	'Snowbird'	'Scirocco'
mean	5.50	5.42
std. (standard) deviation	0.40	0.38

Width of leaflet (cm (centimetres))

	'Snowbird'	'Scirocco'
mean	2.97	3.19
std. (standard) deviation	0.40	0.30

Flower length (cm (centimetres))

	'Snowbird'	'Scirocco'
mean	2.67	2.65
std. (standard) deviation	0.14	0.18

Plant height (cm (centimetres))

	'Snowbird'	'Scirocco'
mean	58.4	56.8
std. (standard) deviation	3.08	2.73

Number of stem nodes up to and including first flowering node

	'Snowbird'	'Scirocco'
mean	10.85	6.38
std. (standard) deviation	0.74	0.58

Length of pod (without beak) (cm (centimetres))

	'Snowbird'	'Scirocco'
mean	4.9	6.1
std. (standard) deviation	0.45	1.39

Width of pod (cm (centimetres))

	'Snowbird'	'Scirocco'
mean	1.1	1.3
std. (standard) deviation	0.08	0.21

Seed weight (g/1000 seeds)

	'Snowbird'	'Scirocco'
mean	611	674

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