



APPLICATIONS UNDER EXAMINATION

BEAN

BEAN
(Phaseolus vulgaris)

Proposed denomination: 'Skyline'
Application number: 08-6317
Application date: 2008/04/29
Applicant: Globe Seeds B.V., Vlijmen, The Netherlands
Agent in Canada: Terramax Holdings Corporation, Qu'Appelle, Saskatchewan
Breeder: HA van Mierlo, Globe Seeds B.V., Vlijmen, The Netherlands

Variety used for comparison: 'Envoy'

Summary: 'Skyline' is resistant to moderately resistant to Anthracnose race 105 whereas 'Envoy' is susceptible.

Description:

PLANT: no anthocyanin colouration of hypocotyl, determinate growth habit with strong and erect stem and branches

LEAF: medium green, weak rugosity

SECONDARY LEAFLET: very sparse pubescence on lower side

FLOWER: in foliage at full flowering, small bracts, white standard, white wings

POD: light to medium green, no pigmentation, very slight curvature towards dorsal part, pointed tip, weak prominence of grains, smooth surface, distributed scattered on the plant

BEAK: medium length, weak curvature

SEED: narrow elliptic shape of median longitudinal section, elliptic to circular shape in cross section, single coloured, white or greenish, no secondary colours, weak veining, self-coloured hilar ring, shiny lustre

DISEASE REACTION: resistant to moderately resistant to Anthracnose race 105

Origin and Breeding: 'Skyline' was developed from the cross 'VM-MPB' as the female parent and '86.781' as the pollen parent conducted in November, 1982 in Vlijmen, the Netherlands. It was selected in September, 2000 from single plant selections from the F9 generation and increased from then on. Selection criteria included yield, disease resistance, maturity and stand ability.

Tests and Trials: The tests and trials for 'Skyline' were conducted in Qu'Appelle, Saskatchewan during the summers of 2006-2008. Plots consisted of three replicates measuring 1.5 metres by 10 metres in length with 18.75 cm row spacings. Each replicate consisted of 8 rows.