



APPLICATIONS UNDER EXAMINATION

PARSNIP

PARSNIP (*Pastinaca sativa*)

Proposed denomination: 'Pegasus'
Application number: 23-11206
Application date: 2023/02/17
Applicant: Elsoms Seeds Ltd., Spalding, United Kingdom
Agent in Canada: Norseco Inc., Laval, Quebec
Breeder: Justin Roberts, Elsom Seeds Ltd., Spalding, Lincolnshire, United Kingdom

Variety used for comparison: 'Palace'

Summary: *The foliage of 'Pegasus' has a semi-erect attitude while that of 'Palace' has an erect to semi-erect attitude. The petiole of 'Pegasus' has a very weak to weak intensity of anthocyanin colouration whereas that of 'Palace' has a weak intensity of anthocyanin colouration. The external colour of the root of 'Pegasus' is whitish cream to white while that of 'Palace' is whitish cream.*

Description:

FOLIAGE: semi-erect attitude, medium intensity of green colour, medium glossiness, narrow to medium width of basal leaves at crown, medium degree of blistering

PETIOLE: very weak to weak intensity of anthocyanin colouration, medium length

LEAF: medium length, medium width, medium distance from widest point to top

LEAFLET: medium degree of division, medium dentation of margin, medium size

ROOT: medium to long, medium width, short to medium distance from widest point to crown, medium obtriangular shape, shallow to medium depth of crown depression, medium width of crown depression, whitish cream to white external colour, very smooth to smooth surface, narrow to medium core width

MALE STERILITY: present

Origin and Breeding: 'Pegasus' (experimental designation 'PSH26') originated from a hybrid cross between two proprietary parental varieties. Initial breeding of the parental lines began in 1995, using Elsoms material and selecting for root quality characteristics and disease resistances. Following 9 years of single seed descent to genetically fix each of the parental lines, male sterility was introduced into one of the parents by backcrossing to a male sterile line over 8 generations. All breeding took place at Elsoms Seeds, Lincolnshire, UK, including the final cross conducted in 2013 which was followed by several years of screening. In 2017, multiplication of the F1 progeny of 'Pegasus' began with pre-commercial analysis occurring in various locations across the UK and Europe.

Tests and Trials: The detailed description for 'Pegasus' is based on the UPOV report of Technical Examination, CPVO reference number 2020/0121, purchased from the Community Plant Variety Office, Angers, France. The trials were conducted by the Naktuinbouw in Roelofarendsveen, the Netherlands, in 2020 and 2021. conducted by the Naktuinbouw in Roelofarendsveen, the Netherlands, in 2020 to 2021.



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