



APPLICATIONS UNDER EXAMINATION

PEPPER

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(Capsicum annuum)

Proposed denomination: 'Maximinus'
Application number: 18-9661
Application date: 2018/12/12
Applicant: Seminis Vegetable Seeds, Inc., St. Louis, Missouri, United States of America
Agent in Canada: Monsanto Canada ULC, Ottawa, Ontario
Breeder: Seminis Vegetable Seeds, Inc., St. Louis, Missouri, United States of America

Variety used for comparison: 'PS 9928302'

Summary: *The stalk of 'Maximinus' is medium to thick while it is thick for 'PS 9928302'. Before maturity, the fruit skin of 'Maximinus' is medium to dark green while the fruit skin of 'PS 9928302' is dark green. The fruit diameter of 'Maximinus' is broad to very broad while the fruit of 'PS 9928302' is very broad. The plants of 'Maximinus' mature early to mid-season while those of 'PS 9928302' mature mid to late season.*

Description:

SEEDLING: no anthocyanin colouration of hypocotyl

PLANT: no shortened internodes in upper part, medium to long internodes (on primary side shoots), medium height

STEM: medium length, no anthocyanin colouration of nodes, weak hairiness of nodes

LEAF: medium green upper side, ovate shape, medium undulation of margin, medium degree of blistering, profile in cross-section is moderately concave, medium degree of glossiness

LEAF BLADE: medium to long, medium to broad

FLOWERING: begins mid-season

PEDUNCLE: semi-drooping attitude

FLOWER: anthocyanin colouration in anther present

FRUIT STALK: medium length, medium to thick

CALYX: non enveloping aspect

FRUIT (BEFORE MATURITY): medium to dark green, no anthocyanin colouration

FRUIT: drooping attitude, short to medium length, broad to very broad diameter, medium length to diameter ratio, square in longitudinal section, angular shape in cross-section at level of placenta, absent or very weak degree of sinuation of pericarp at basal end, absent or very weak degree of sinuation of pericarp excluding basal part, medium red at maturity, shallow to medium depth stalk cavity, moderately depressed apex, shallow interlocular grooves, equally three and four locules, medium to thick flesh, no capsaicin in placenta

FRUIT SKIN: smooth or very slightly wrinkled texture, medium glossiness

TIME OF FRUIT MATURITY: early to mid-season

DISEASE REACTIONS: resistance to Tobacco mosaic virus pathotype 0 and *Xanthomonas campestris* pv. *vesicatoria* present; no resistance to Pepper mild mottle virus pathotype 1-2, 1-2-3, Potato Virus Y pathotype 0 or Tomato Spotted Wilt Virus race P0

Origin and Breeding: 'Maximinus' (breeder designation SV4856PB) is a hybrid bell pepper variety suitable for open field cultivation. It originated from a hand pollinated cross made between two proprietary Seminis breeding lines, SBR8T13-6129 and SBR8T11-6069, in 2013 at the Seminis Vegetable Seed, Inc. breeding station located in Felda, Florida, United States. The resulting hybrid, 'Maximinus', was selected in 2014 for its compact, dome-shaped, highly branched plant growth habit; uniform fruit maturity, size, shape, set; and disease resistance.

Tests and Trials: The detailed description of 'Maximus' is based on the UPOV report of Technical Examination, application number PPS1826, purchased from Naktuinbouw in Roelofarendsveen, Netherlands. The trial was conducted by Naktuinbouw in Roelofarendsveen, Netherlands from 2019 to 2020.



Pepper: 'Maximus'