PEPPER
(Capsicum annuum)

Proposed denomination: **'Maureno'**
Application number: 19-9992
Application date: 2018/08/30 (priority claimed)
Applicant: Enza Zaden Beheer B.V., Enkhuizen, Netherlands
Agent in Canada: Smart & Biggar IP Agency Co., Ottawa, Ontario
Breeder: Wouter Lindeman, Enza Zaden Beheer B.V., Enkhuizen, Netherlands

Variety used for comparison: 'Presley'

Summary: *The plants of 'Maureno' are medium to tall but shorter than those of 'Presley', which are also medium to tall. At maturity, the fruit skin of 'Maureno' is medium to dark red whereas it is medium red for 'Presley'. The thickness of the fruit stalk is medium to thick for 'Maureno' while it is thick for 'Presley'.*

Description:
SEEDLING: anthocyanin colouration of hypocotyl present

PLANT: medium to tall, no shortened internodes in upper part, medium to long internodes on primary side shoots
STEM: medium length, weak to medium intensity of anthocyanin colouration of nodes, sparse to medium density of hairiness of nodes

LEAF BLADE: medium to long, medium to broad, medium to dark green on upper side, ovate shape, medium to strong degree of undulation of margin, medium to strong blistering, moderately concave profile in cross-section, medium degree of glossiness on upper side

TIME OF BEGINNING OF FLOWERING: medium earliness
PEDUNCLE: semi-drooping attitude
FLOWER: anthocyanin colouration of anther present

STALK: medium length, medium to thick
CALYX: non enveloping aspect
FRUIT: medium to dark green before maturity, no anthocyanin colouration before maturity, drooping attitude, short to medium length, broad to very broad diameter, medium length to diameter ratio, square shape in longitudinal section, angular shape in cross-section (at level of placenta), absent or very weak sinuation of pericarp at basal part, absent or very weak sinuation of pericarp excluding basal part, smooth or very slightly wrinkled surface, medium to dark red at maturity, medium to strong degree of glossiness, medium depth of stalk cavity, moderately depressed apex, shallow to medium depth of interlocular grooves, predominantly four and more locules, medium to thick flesh, no capsaicin in placenta, matures early to mid-season

DISEASE REACTIONS: resistance to Tobacco mosaic virus pathotypes 0, 1, Pepper mild mottle virus pathotypes 1-2 and 1-2-3 present; no resistance to Potato virus Y pathotypes 0, 1, and 1-2, *Phytophthora capsici*, Cucumber mosaic virus, Tomato spotted wilt virus P0 or *Xanthomonas campestris pv. vesicatoria*

Origin and Breeding: 'Maureno' (experimental designation E20B.0246) is a hybrid pepper variety that originated from a controlled cross conducted in August 2015, in Enkhuizen, the Netherlands between the lines, E20B.0246-F (F6 inbred line of test hybrid 6383) as the female parent, and E20B.0246-M (double haploid line derived from a cross of E20B.3749-M × E20B.4436-M) as the male parent. The F1 hybrid, later named 'Maureno', was selected in 2016 for its plant vigour; fruit production, weight, shape, quality, fruit setting ability, shelf life and disease resistance. Performance trials were conducted in the Netherlands and Canada in 2017 and 2018.

Tests and Trials: The detailed description of 'Maureno' is based on the UPOV report of Technical Examination, application number PPS1892, purchased from the Naktuinbouw, Roelofarendsveen, Netherlands. The trial was conducted by the Naktuinbouw, Roelofarendsveen, Netherlands, from 2019 to 2020.

Pepper: 'Maureno'

Proposed denomination: **'Raptor'**
Application number: 20-10260
Application date: 2020/06/10
Applicant: Seminis Vegetable Seeds, Inc., St. Louis, Missouri, United States of America
Agent in Canada: Bayer Crop Science Inc., Ottawa, Ontario
Breeder: Seminis Vegetable Seeds, Inc., St. Louis, Missouri, United States of America

Variety used for comparison: 'DSP7054'

Summary: *The intensity of anthocyanin colouration on the stem of 'Raptor' is weak while it is of medium intensity on the stem of 'DSP7054'. The upper side of the leaf of 'Raptor' has medium to strong glossiness whereas that of 'DSP7054' has medium glossiness. Before maturity, the colour of the fruit skin of 'Raptor' is of medium intensity whereas it is of medium to dark intensity for 'DSP7054'. The fruit of 'Raptor' is longer than that of 'DSP7054'.*

Description:
SEEDLING: anthocyanin colouration of hypocotyl present

PLANT: medium to tall, no shortened internodes in upper part, medium to long internodes on primary side shoots
STEM: medium length, medium intensity of anthocyanin colouration of nodes, medium density of hairiness of nodes

LEAF BLADE: long, broad, medium to dark green on upper side, ovate shape, weak to medium degree of undulation of margin, medium degree of blistering, flat to moderately concave profile in cross-section, medium to strong degree of glossiness on upper side

FLOWERING: begins mid-season
PEDUNCLE: semi-drooping attitude
FLOWER: anthocyanin colouration of anther present

STALK: medium length, medium to thick
CALYX: non enveloping aspect
FRUIT: medium green before maturity, no anthocyanin colouration before maturity, drooping attitude, short to medium length, broad diameter, medium length to diameter ratio, square to trapezoidal shape in longitudinal section, angular to circular shape in cross-section (at level of placenta), absent or very weak sinuation of pericarp at basal part, absent or very weak sinuation of pericarp excluding basal part, smooth or very slightly wrinkled surface, medium orange at maturity, medium degree of glossiness, shallow stalk cavity, moderately depressed apex, medium depth of interloculary grooves, equally three and four locules, medium to thick flesh, no capsaicin in placenta, matures early to mid-season

DISEASE REACTIONS: resistance to Tobacco mosaic virus pathotype 0, Pepper mild mottle virus pathotypes 1-2 and 1-2-3 present; no resistance to Potato virus Y pathotype 0 or Tomato spotted wilt virus race P0

Origin and Breeding: 'Raptor' (pre-commercial name DRPB0737) originated from a hand pollinated cross conducted in 2014 at the Seminis breeding station located in Bergschenhoek, the Netherlands. The cross was made between proprietary Seminis breeding lines 'SBO-28-1272' as the female parent, and 'SBO-XZ15-0097' as the male parent. From the resulting progeny, the hybrid pepper variety 'Raptor' was selected in 2016 for its leaf cover, yield and disease resistance.

Tests and Trials: The detailed description of 'Raptor' is based on the UPOV report of Technical Examination, application number PPS1812, purchased from the Naktuinbouw, Roelofarendsveen, Netherlands. The trial was conducted by the Naktuinbouw, Roelofarendsveen, Netherlands, in 2018.

Pepper: 'Raptor'

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Pepper: Reference variety 'DSP7054'