



PEPPER

(Capsicum annuum)

Proposed denomination: 'Everley'
Application number: 20-10362
Application date: 2020/10/15
Applicant: Seminis Vegetable Seeds, Inc., St. Louis, Missouri, United States of America
Agent in Canada: Bayer CropScience Inc., Ottawa, Ontario
Breeder: Seminis Vegetable Seeds, Inc., St. Louis, Missouri, United States of America

Variety used for comparison: 'Sardinero'

Summary: *The stem of 'Everley' is short to medium length while that of 'Sardinero' is medium length. In cross-section, the leaf of 'Everley' is moderately concave while the leaf of 'Sardinero' is moderately convex. At maturity, the fruit skin of 'Everley' is a lighter medium yellow than that of 'Sardinero'. The stalk cavity of the fruit of 'Everley' is medium depth whereas that of 'Sardinero' is shallow to medium depth.*

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: short to medium length, weak intensity of anthocyanin colouration of nodes, medium to dense hairiness of nodes

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

FLOWERING: begins mid-season

PEDUNCLE: semi-drooping attitude

FLOWER: anthocyanin colouration of anther present

STALK: medium to long, medium to thick

CALYX: non enveloping aspect

FRUIT: drooping attitude, short to medium length, broad to very broad diameter, medium length to diameter ratio, square to trapezoidal 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), medium depth stalk cavity, moderately depressed apex, shallow to medium depth interlocular grooves, equally three and four locules, medium to thick flesh, no capsaicin in placenta, matures mid-season

FRUIT SKIN: medium green before maturity, no anthocyanin colouration before maturity, smooth or very slightly wrinkled surface, yellow at maturity, medium degree of glossiness

DISEASE REACTIONS: resistance to Tobamovirus Tobacco mosaic virus pathotype 0, Tobamovirus Pepper mild mottle virus pathotypes 1-2 and 1-2-3 and Tomato Spotted Wilt Virus pathotype 0 present; no resistance to Potato Virus Y pathotype 0

Origin and Breeding: 'Everley' (breeder's reference DRPB2635) originated from a controlled hand pollinated cross, between two proprietary Seminis breeding lines, 'SBY-XD16-0124GMS' and 'SBYXD13-0066', conducted in 2016 at a Seminis breeding station located in Bergschenhoek, Netherlands. From the resulting progeny, the hybrid yellow bell pepper variety 'Everley' was selected in 2018 for its leaf cover, yield, and disease resistance.

Tests and Trials: The detailed description of 'Everley' is based on the UPOV report of Technical Examination, application number PPS2109, purchased from the Naktuinbouw in Roelofarendsveen, Netherlands. The trial was conducted by the Naktuinbouw in Roelofarendsveen, Netherlands in 2021.



Pepper: 'Everley'



Pepper: 'Everley'

Proposed denomination: ‘Orginale’
Application number: 19-10008
Application date: 2019/08/13 (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: ‘Mozart’

Summary: *The plants of ‘Orginale’ are medium height while those of ‘Mozart’ are medium to tall. The upper side of the leaf of ‘Orginale’ has medium to strong blistering while that of ‘Mozart’ has a medium degree of blistering. The stalk cavity of the fruit of ‘Orginale’ is medium to deep whereas that of ‘Mozart’ is medium depth.*

Description:

SEEDLING: anthocyanin colouration of hypocotyl present

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

STEM: medium length, weak intensity of anthocyanin colouration of nodes, dense 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 FLOWERING: begins mid-season

PEDUNCLE: semi-drooping attitude

FLOWER: anthocyanin colouration of anther present

STALK: medium to long, thick

CALYX: non enveloping aspect

FRUIT: drooping attitude, short to medium length, broad to very broad diameter, medium length to diameter ratio, square 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), medium to deep stalk cavity, moderately depressed apex, shallow to medium depth interlocular grooves, equally three and four locules, medium to thick flesh, no capsaicin in placenta, matures mid-season

FRUIT SKIN: medium to dark green before maturity, no anthocyanin colouration before maturity, smooth or very slightly wrinkled surface, medium orange at maturity, medium degree of glossiness

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

Origin and Breeding: ‘Orginale’ (breeder’s reference E20B.0261) originated from a controlled cross conducted between two lines, ‘E20B.0261-F’ and ‘E20B.0261-M’, in 2015 at the Enza Zaden research location in Enkhuizen, Netherlands. From the resulting progeny, the hybrid orange pepper variety ‘Orginale’ was selected in 2016 for its plant vigour; fruit production, weight, shape, shelf life, setting ability; and disease resistance. In 2017 and 2018, ‘Orginale’ was further trialed in the Netherlands and Canada where performance was confirmed.

Tests and Trials: The detailed description of ‘Orginale’ is based on the UPOV report of Technical Examination, for National Listing application number PPS1974, purchased from the Naktuinbouw in Roelofarendsveen, Netherlands. The trial was conducted by the Naktuinbouw in Roelofarendsveen, Netherlands in 2020 and 2021. The National Listing report for ‘Orginale’ was used to support the PBR application number 2019/1973 in the Community Plant Variety Office.



Pepper: 'Originale'