



APPLICATIONS UNDER EXAMINATION

CUCUMBER

CUCUMBER (*Cucumis sativus*)

Proposed denomination: 'Georgia'
Application number: 22-10835
Application date: 2022/02/17
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: 'Verdon'

Summary: *The terminal lobe apex of the leaf blade of 'Georgia' is right-angled while it is obtuse for 'Verdon'. The neck of the fruit of 'Georgia' is short to medium length while it is medium to long for 'Verdon'. The density of the prickles of the fruit vestiture of 'Georgia' is very sparse to sparse whereas it is sparse to medium for 'Verdon'.*

Description:

PLANT: produces Dutch type fruit, gynoeocious sex expression, predominantly one or two female flowers per node, parthenocarpy present, indeterminate growth type, length of first 15 internodes is long

COTYLEDON: no bitterness

LEAF BLADE: drooping attitude, long, medium ratio of terminal lobe length in relation to blade length, shape of apex of terminal lobe is right-angled, dark intensity of green on upper side, medium to strong degree of blistering, absent or weak undulation of margin, very weak to weak dentation of margin

TIME OF DEVELOPMENT OF FEMALE FLOWERS (WHEN 80% OF PLANTS HAVE AT LEAST ONE FEMALE FLOWER): mid to late season

OVARY VESTITURE: white

PEDUNCLE: medium to long

FRUIT: long, medium diameter, large length to diameter ratio, medium core diameter in relation to diameter of fruit, round shape in transverse section, shape of stem end is necked, short to medium length neck, shape of calyx end is rounded, absent or weak degree of ribbing, no sutures, weak to medium degree of creasing, no warts, absent or very short stripes, no dots

FRUIT VESTITURE: prickles only type, very sparse to sparse density of prickles, white

FRUIT SKIN: medium to dark green ground colour at market stage, weak glaucosity, yellow ground colour at time of physiological ripening

DISEASE REACTIONS: resistance to *Cladosporium cucumerinum*, *Corynespora* blight and Target leaf spot (*Corynespora cassiicola*) (Cca) and Cucumber Vein Yellowing Virus (CVYV) present; moderately resistant to Cucumber Mosaic Virus (CMV); highly resistant to powdery mildew (*Podosphaera xanthii*) (Px)

Origin and Breeding: 'Georgia' (breeders reference DRCE1301) originated from a hand-pollinated cross made in 2016 between Seminis proprietary breeding lines 'EUR-Y316-1044GY' and 'EURY313-1017GY' in Bergschenhoek, Netherlands. The resulting hybrid was selected in 2017 for its yield and higher percentage of medium sized fruit.

Tests and Trials: The detailed description of 'Georgia' is based on the UPOV report of Technical Examination, application number KMK1412, purchased from Naktuinbouw in Roelofarendsveen, Netherlands. The trial was conducted by Naktuinbouw in Roelofarendsveen, Netherlands in 2021.



Cucumber: 'Georgia'



Cucumber: Reference variety 'Verdon'