



## APPLICATIONS UNDER EXAMINATION

## TOMATO

### TOMATO (*Solanum lycopersicum*)

**Proposed denomination:** 'Inspired'  
**Application number:** 20-10261  
**Application date:** 2020/06/10  
**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:** 'Xantero'

**Summary:** *The leaf of 'Inspired' has a semi-drooping to drooping attitude while that of 'Xantero' has a horizontal attitude. The upper side of the leaf of 'Inspired' is medium green while that of 'Xantero' is medium to dark green. The fruit of 'Inspired' is larger than that of 'Xantero'.*

#### Description:

SEEDLING: anthocyanin colouration of hypocotyl present

PLANT: indeterminate growth habit, medium to tall, flowers mid to late season, late to very late fruit maturity

STEM: absent or very weak intensity of anthocyanin colouration, long to very long internode

LEAF: semi-drooping to drooping attitude, medium to long, broad, bipinnate division of blade

LEAF BLADE (UPPER SIDE): medium green, weak to medium glossiness, weak blistering

LEAFLET: large, semi-erect attitude of petiolule in relation to main axis of leaf

INFLORESCENCE: mainly uniparous type

PEDUNCLE: abscission layer present, short to medium length

FLOWER: yellow, pubescence of style present

IMMATURE FRUIT: no green shoulder, medium green skin excluding shoulder, no green stripes

MATURE FRUIT: very large, small length to diameter ratio, oblate shape in longitudinal section, medium ribbing at peduncle end, strong depression at peduncle end, large peduncle scar, large to very large blossom scar, flat at blossom end, large to very large diameter of core (in cross-section) in relation to total diameter when viewed from above, thick to very thick pericarp, more than six locules, red skin, medium glossiness of skin, red flesh, firm

DISEASE REACTIONS: no resistance to Tomato Spotted Wilt Virus race 0; highly resistant to *Meloidogyne incognita*; resistance to *Verticillium* sp. (Va and Vd) *fysio* race 0, *Fusarium oxysporum* f. sp. *lycopersici* race 0 (ex1) and race 1 (ex 2), *Fusarium oxysporum* f. sp. *radicis lycopersici*, *Fulvia fulva* (Ff) (ex *Cladosporium fulvum*) race 0 and groups A, B, C, D and E, Tomato Mosaic Virus strains 0, 1 and 2 and *Oidium neolycopersici* (On) (ex *Oidium lycopersicum* (OI)) present

**Origin and Breeding:** 'Inspired' (experimental designation DRTH5013) originated from a hand pollinated cross conducted in 2015 at the Seminis breeding station located in Bergschenhoek, Netherlands. The cross was made between proprietary Seminis breeding lines 'FIR-XM16-4401', as the female parent, and 'FIR-XM17-4455', as the male parent. From the resulting progeny, the hybrid tomato variety 'Inspired' was selected in 2017 for its fruit yield, quality, uniformity, skin colour and flavour.

**Tests and Trials:** The detailed description of 'Inspired' is based on the UPOV report of Technical Examination, application number TMT3546, purchased from the Naktuinbouw in Roelofarendsveen, Netherlands. The trial was conducted by the Naktuinbouw in Roelofarendsveen, Netherlands in 2020.



Tomato: 'Inspired'

---