



Variety Profile

This is your *exclusive sneak peek* at De Ruiter® seed innovation as we continue to optimize and learn about this variety.

DRTJ4056[†]

Following the launch of Journey in the Large Saladette Tomato segment, De Ruiter® proudly presents our new, in-development DRTJ4056 variety.

DRTJ4056 is a jointless large Saladette variety suitable for truss and loose harvest with improved shelf life, high-quality fruits and high yield potential.



HIGHLIGHTS

- Replaces WS4-179 (also known as Italia) in the truss segment
- An alternative variety to Journey in the loose segment
- Excellent ratings for its low incidence of blossom end rot
- Very good post-harvest fruit vine retention
- Excellent glossy fruits
- Premium plant vigor
- Anticipated High Resistance to Fusarium wilt, Verticillium wilt and Fusarium crown and root rot

Characteristics are based on a 2-year crop cycle in Canada [2019 and 2020] and trial data from the Netherlands [2020].

[†] Experimental designation. Experimental/precommercial varieties are being shown/described for demonstration purposes only and are not being offered for sale.

Performance may vary from location to location and from year to year, as local growing, soil and weather conditions may vary. Growers should evaluate data from multiple locations and years whenever possible and should consider the impacts of these conditions on the grower's fields.

Any recommendations in this article are based upon glasshouse observations and feedback received from a limited number of trials and locations. These recommendations should be considered as one reference point and should not be substituted for the professional opinion of agronomists, entomologists or other relevant experts evaluating specific conditions.

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Agronomics

Anticipated Disease Resistance Package

- **HR:** ToMV:0-2/ToTV/Ff:A-E/Fol:0,1/For/Va:0/Vd:0
- **IR:** On
- For short crop cycles, it can be grown non-grafted due to its resistance to Fusarium crown and root rot and Verticillium wilt.

Plant behavior and potentials

DRTJ4056 was developed through grafting in long crop cycles from January to December in the Great Lakes region. It offers improved vigor compared to Journey and WS4179; the fruit quality in the summer is amazing when measured against the leading market varieties.

Young plants of DRTJ4056 have slightly pointed leaves as a fingerprint characteristic. In general, the leaves are dark green and plants have a good level of vigor to work with.

The first harvests will come a couple of days later than Journey. The fruits are shiny with some ribs present mostly during early season. As plants mature with higher light levels, the fruit shape fills out with fewer ribs. Notably, the calix faces upwards. The fruit color matures to a light red with an unbeatable high glossiness.

Because it has more vigor and shows more incidence of blotchier fruits, DRTJ4056 has different nutrition needs compared to Journey.

The incidence of blossom end rot is low, with performance comparable to Journey's and WS4179's. In trials in 2019 and 2020 crop cycles, the incidence of blossom rot was almost absent, limited only to very few fruits on plants in corner spots or seldomly scattered inside the rows. A good Calcium level in fertilization should be balanced to prevent end rot, which Saladette varieties are more prone to get.

The expected fruit size averages 110-115 grams, and fluctuates according to the growing conditions, crop length, cycle and location.

Given proper management and growing conditions, DRTJ4056 has a very high yield potential. A major differential comes in summer and fall because it sets fruits better in the heat, making it suitable for areas with stressful climate conditions such as the Great Lakes region.

With its high glossy fruits and excellent shelf life, DRTJ4056 is a De Ruiter® masterpiece ready for you to explore!



KEY TO DISEASE RESISTANCE

Ff: Lead mold

Fol: Fusarium wilt

For: Fusarium crown and root rot

On: Powdery mildew

ToMV: Tomato mosaic virus

ToTV: Tomato torrado virus

Va/Vd: Verticillium wilt

HR = High Resistance

IR = Intermediate Resistance

To find out more about disease resistance and the applicable levels of disease resistance, visit www.worldseed.org, and view the "Definition of the Terms Describing the Reaction of Plants to Pests for the Vegetable Industry" paper in the Vegetable Resources section.
