



Growing Tips

DR7962TH

DR7962TH is a red tomato on the vine hybrid, originally developed for closed greenhouse systems.

When grafted, it delivers fruits ranging from 150 to 180 grams and maintains a good level of plant vigor.

Although designed for closed greenhouses, early results show that DR7962TH performs well under stressful conditions in regions with high temperature and humidity.

In summer crops, DR7962TH maintains its fruit shape and truss quality.

The combination of a good level of vigor, its fruit weight and its fruit shape, even under stressful conditions, makes DR7962TH a unique product in the De Ruiter portfolio.

This tomato is an indeterminate variety, is not jointless, and is known for its vigor and a balanced plant habit. This variety is especially known for its larger fruit size relative to previous De Ruiter varieties.



TYPE

Large red tomato on the vine

PLANT TYPE

Long (indeterminate)

AVERAGE FRUIT WEIGHT

155 grams

USE

Closed greenhouses, warm summer environments

DISEASE RESISTANCE *

HR: ToMV: 0-2/Ff:A-E/Fol:1/Va:1/Vd: 1

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.

The recommendations in this article are based upon field observations and feedback received from a limited number of growers and geographies. 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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Approach in Early Season

Especially in the beginning of the crop, it's important to control the vigor by removing a leaf out from the top of the plant on a weekly basis, to make sure that the plant will work on its fruits enough. During the duration of the crop, continue removing a leaf from the top as needed, to keep this crop open. The leaves can become quite large. DR7962TH will need a generative climate approach, especially in the beginning of the crop, with good pre-nights.

Grafting Criteria

Because of its strong vigor, it generally doesn't require grafting to resistant rootstock. However, DR7962TH provides flexibility for growers on long crop cycles, as it grows well in grafted systems. When choosing a grafted approach, growers should select either Maxifort or DR0138TX rootstock, being certain to pinch the graft. Pinching on the second true leaf is advised.

Other factors that would impact the decision to graft include the type of substrate used, and the amount of carbon dioxide per hectare. DR7962TH has the potential to perform well regardless of whether or not you choose a grafted or non-grafted approach.

Rootstocks and Fertilizer

For growers interested in minimizing environmental nitrate pollution and taking a grafted approach, rootstocks with high nitrogen acquisition can help¹. They can allow for reduced fertilizer application without negatively impacting yields. Controlling nitrogen levels is especially important early in the season, when growers want to encourage generative rather than vegetative growth. If nitrate levels go too low for too long, truss development can potentially be negatively impacted. Please contact your De Ruiter representative for questions on fertilizer management.

Fruit Size and Artificial Light

As consumer demand continues to grow, more and more glasshouse growers are turning to artificial lights to help them stay in market year round. Some industry experts believe that by 2025, 50 percent of growers could be doing so.

DR7962TH has sufficient vigor to perform well under artificial light conditions, which can offer growers a measure of control in unpredictable lighting and temperature conditions.

This tomato has a shelf life that is comparable to other De Ruiter tomato on the vine varieties.

* KEY TO DISEASE RESISTANCE

Ff:A-E: Fulvia fulva Race A-E

Fol1: Fusarium wilt - *Fusarium oxysporum* f.sp.lycopersici Race 1

ToMV:0-2: Tomato mosaic tobamovirus strain 0-2

Va/Vd1: Verticillium wilt - *Verticillium dahliae* Race 1

HR — HIGH RESISTANCE

The ability of a plant variety to highly restrict the activities of a specific pathogen or insect pest and/or to restrict the symptoms and signs of a disease, when compared to susceptible varieties. Varieties with high resistance may exhibit some symptoms when specified pathogen or pest pressure is severe. New and/or atypical strains of the specific pathogen or pest may overcome the resistance.

¹ M.J. Asins, A. Albacete, C. Martinez-Andujar, F. Pérez-Alfocea, I.C. Dodd, E.A. Carbonell, J.A. Dieleman, "Genetic analysis of rootstock-mediated nitrogen (N) uptake and root-to-shoot signalling at contrasting availabilities in tomato" *Plant Science*, Volume 263, 2017, Pages 94-106, ISSN 0168-9452 <https://doi.org/10.1016/j.plantsci.2017.06.012> <http://www.sciencedirect.com/science/article/pii/S0168945217302510>