

Tomato



ENZA ZADEN



Maxeza (E15M.40620)

Resistances: HR: ToMV:0-2/Ff:A-E/Fol:0,1/For

IR: On | T: Si

Fruit size: 160 grams

Plant habit: Vigourous

Explanation of used abbreviations



Tomato	Code	English name	Scientific name pathogen ISF	Races/Strains	Level of resistance
Virus	ToMV	Tomato Mosaic Virus	<i>Tomato mosaic virus</i>	0,1,2	HR
	TSWV	Tomato spotted wilt	<i>Tomato spotted wilt virus</i>		IR
	ToANV	Tomato apex necrotic virus	<i>Tomato apex necrotic virus</i>		HR
Fungi	Ff (ex Cf)	Leaf mold	<i>Fulvia fulva (ex Cladosporium fulvum)</i>	A,B,C,D,E	HR
	Fol	Fusarium wilt	<i>Fusarium oxysporum f.sp. lycopersici</i>	0,1,2	HR
	For	Fusarium crown and root rot	<i>Fusarium oxysporum f.sp. radicis-lycopersici</i>		HR
	On (ex OI)	Powdery mildew	<i>Oidium neolycopersici</i>		IR
	Pl	Corky root rot	<i>Pyrenochaeta lycopersici</i>		IR
	Va	Verticillium wilt	<i>Verticillium albo-atrum</i>	0	HR
	Vd	Verticillium wilt	<i>Verticillium dahliae</i>	0	HR
Nematode	Ma	Root-knot	<i>Meloidogyne arenaria</i>		IR
	Mi	Root-knot	<i>Meloidogyne incognita</i>		IR
	Mj	Root-knot	<i>Meloidogyne javanica</i>		IR
Abiotic stress	Si		<i>Silvering</i>		T

HR: High Resistance | IR: Intermediate Resistance | T: Tolerance. Current information concerning the resistances is available on www.enzazaden.com.

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Experiences

With Maxeza, Enza Zaden is introducing a tomato that combines high yield with a good fruit colour and firmness. This combination of characteristics is unique for truss tomato varieties of this fruit size. Maxeza is the perfect variety for growers who are aiming for early production: it is around three days earlier than the standard variety in this segment, and by the end of the year the total yield is at least comparable.

Plant type

The open, vigorous plant of Maxeza produces well in the summer. The plant type of Maxeza is most suitable for growing in facilities with a crop wire height of 425 cm. In the Netherlands Maxeza performed best in sowings from November 1st onwards and generally night temperatures below 15 °C are not recommended.

Crop management

- The water consumption of Maxeza is relatively high and needs a little more than the standard.
- Potassium levels around 5 Mmol/l and Calcium level of 10 Mmol/l contribute to a good fruit colour.

The following temperature is recommended as a basic setting:

Pre night:	15 °C (3 hours)
Night:	Increase to 17-17.5 °C (a fast increase in temperature is a vegetative action leading to a less compact truss, more plant length and more vigour). Considering the plant type of Maxeza it is usually better to build up slowly to 17-17.5 °C.
Day temperature:	Maximum 25 °C

The ideal temperature depends on the light radiation level. During periods with low light radiation, a low 24-hour temperature between 16-18 °C is advisable and in periods with higher light radiation a 24-hour temperature between 18.5-20 °C is recommended. In comparison to the standard variety in the segment, Maxeza requires a flat 24-hour temperature regime. For example the standard variety needs on a sunny day a pre-night of 13 °C and a maximum afternoon temperature of 27 °C. Maxeza requires on sunny days a pre-night of 15 °C and a maximum afternoon temperature of 25 °C.

Planting

It is not advisable to plant directly on the plant hole during the winter. Planting directly will in most cases result in a very vegetative start of the crop. It is advised to put the plant on the plant hole when all flowers of the first cluster are open. A planting density of 2.5 plant/m² (or 2.5 stems/m² with grafted pinched plants) is ideal. In March the stems /m² can be increased to 3.3 stems/m². In warmer climates it is possible to go to a higher density in summer time (3.5-3.75 st/m²).



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