

ROOTSTOCK



Organic Rootstocks

- Uniform Germination
- High Percentage Graftable Plants
- Strong Vigor & Endurance
- Disease Resistance

Tomato Rootstocks

Using the right rootstock can significantly increase yields and provide excellent disease resistance for organic growers.



Estamino F1

Estamino delivers a well-balanced plant with strong vigor and good generative growth.

Estamino's generative properties encourage high fruit production without excessive vegetative growth. This variety is flexible and can work in a variety of growing mediums and conditions. Plants grafted to Estamino will have steady production and fruit size until the end of the cultivation cycle. This is definitely a rootstock for growers that have issues with controlling excessive vegetative growth in their crops. Unheated hoop house growers in Northern climates will experience better yields over a longer harvest period using this rootstock. All growers will benefit from Estamino's excellent disease package which includes Tomato Mosaic Virus*, Leaf Mold*, Verticillium, Fusarium and Nematode resistance!

Cultivation: Soil & Substrate Crops, Heated & Unheated Greenhouses, Short & Long Cycles
Recommended for use with: All types including small fruited, cluster and single pick types.

Resistances: HR: ToMV:0-2*/Ff:A-E*/PI/Va:0/Vd:0/Fol:0-2/For.
IR: TSWV*/Ma/Mi/Mj.



Fortamino F1

Fortamino was developed for unheated and heated growing conditions.

Fortamino is a somewhat generative rootstock with the ability to provide plants with the added support they need at transplant. The strong root system of Fortamino gives extra vegetative power to the plants in the early stages of growth, ensuring excellent leaf cover and recovery after stress conditions. For this reason, Fortamino is especially valuable when transplanting into hot growing conditions. Grafting cultivars onto Fortamino has a positive effect on the number of flowers per truss, resulting in longer trusses. In our studies, results showed Fortamino produced a higher average fruit weight. In addition, Fortamino provides an exceptional disease resistance package.

Cultivation: Soil & Substrate Crops, Unheated Greenhouse & Open Field, Short & Long Cycles
Recommended for use with: All types especially cluster/truss types.

Resistances: HR: ToMV:0-2*/Ff:A-E*/PI/Va:0/Vd:0/Fol:0-2/For.
IR: TSWV*/Ma/Mi/Mj.

*Note: Rootstocks resistant to ToMV, Ff, and TSWV will not give resistance to susceptible scion varieties as these are not soil borne diseases.

Cucurbit Rootstocks - For use with Cucumbers, Melons and Watermelons



Flexifort F1

Secure your crops against disease and stress by grafting with Flexifort.

Use of Flexifort rootstock is recommended for cucumber, melon and watermelon growers seeking longer, healthier crops. This rootstock brings increased vigor and a high return of first quality fruits. Flexifort is an interspecific *Cucurbita maxima* x *Cucurbita moschata* cross that combines nicely with a wide number of varieties. It is resistant against several soil borne diseases, and provides improved tolerance to abiotic stresses such as drought, temperature extremes and salinity.

Cultivation: Soil & Substrate Crops, Heated & Unheated Greenhouses, Short & Long Cycles

Recommended for use with: All types including small fruited, cluster and single pick types.

Resistances: HR: Fom:0-2/Fom:1.2/Fon:0,1/Foc.

IR: TSWV*/Ma/Mi/Mj.

Easy to graft!

General recommendations for grafting Flexifort:

Flexifort combines easily with a wide number of varieties. Ideally the rootstock and the scion should have a similar diameter at the time of grafting. Avoid having a scion diameter larger than the rootstock. The rootstock is sown 2-6 days earlier than the scion, depending on the scion variety and the nursery conditions. Grafting can take place when the stem diameters reach at least 1.5 mm. (around 10-11 days after the rootstock sowing).

Seedling care after grafting:

1. Keep the plants under warm, humid, shaded conditions (77° F and above, 90%+ humidity).
2. Gradually decrease the humidity.
3. Seedlings are usually ready 8 to 12 days after grafting.

Tomato			
Type	Code	English Name	Scientific Name
Virus	ToMV	Tomato mosaic virus	
	TSWV	Tomato spotted wilt virus	
Fungi	Ff	Leaf mold	<i>Fulvia vulva (ex Cladosporium fulvum)</i>
	Fol	Fusarium wilt	<i>Fusarium oxysporum f.sp. lycopersici</i>
	For	Fusarium crown and root rot	<i>Fusarium oxysporum f.sp. radicum-lycopersici</i>
	Pl	Corky root rot	<i>Pyrenochaeta lycopersici</i>
	Va	Verticillium wilt	<i>Verticillium albo-atrum</i>
	Vd	Verticillium wilt	<i>Verticillium dahliae</i>
Nematode	Ma	Root-knot	<i>Meloidogyne arenaria</i>
	Mi	Root-knot	<i>Meloidogyne incognita</i>
	Mj	Root-knot	<i>Meloidogyne javanica</i>

Cucurbit			
Type	Code	English Name	Scientific Name
Fungi	Foc	Fusarium wilt	<i>Fusarium oxysporum f.sp. cucumerinum</i>
	Fom	Fusarium wilt	<i>Fusarium oxysporum f.sp. melonis</i>
	Fon	Fusarium wilt	
	Forc	Fusarium crown and root rot	<i>Fusarium oxysporum f.sp. Radicis-cucumerinum</i>

DISCLAIMER

Descriptions, recommendations and illustrations included correspond as closely as possible to tests and practical experience. This information is provided to assist professional growers and users; however, variable local conditions must be taken into account. Under no circumstances shall Enza Zaden accept liability based on such information for deviating results in the cultivated product. The purchaser is responsible for determining whether the items are suitable for the intended cultivation type and location.

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