



Rootstocks

A good base

Tomato | Cucumber | Melon | Watermelon | Eggplant | Pepper



TAKII SEED



Rootstocks

A good base

Tomato | Cucumber | Melon | Watermelon | Eggplant | Pepper

Healthy root

Productive

Less chemical use

Grafting fruity vegetable crops has become an increasingly common practice worldwide. With increasing restrictions on the use of chemicals, rootstocks remain a natural and effective way to avoid soil pathogens. In addition, rootstocks give the scion a stronger root system and plant strength, which means that it remains healthy and productive for longer and under more difficult conditions. We as Takii can confidently offer our wide range of rootstock varieties for all types of fruity vegetable crops.



Tomato

Rootstocks

Solution for growing under several conditions

Plant vigour

Resistances

High yield

Tomato is grown practically in all parts of the world.

This makes that it is grown under most stressful conditions, but at the same time has high consumer expectations for quality and safety. Our assortment includes varieties with different levels of plant vigour, excellent disease resistance and high seed quality. Providing a solution for various growing conditions, from plastic greenhouse production in the Mediterranean region to high-tech production in Northwest Europe.



“High resistance against Fol: 0-2 is the *standard* for all our tomato rootstock varieties”.

TD-33 F1

Interspecific tomato rootstock

Intermediate resistance against Mi-1 breaker

Clean roots

Healthy scion

Large fruits

Tomato rootstock TD-33, our latest addition, is a breakthrough with intermediate resistance against Mi-1 breaker* (see page 14). This special trait keeps the root clean and the scion plant healthy. It allows the fruits to maintain their large size until the very last harvest of the season, preventing yield loss from small fruits even in soil heavily infested with Mi.



Radar F1
Tomato rootstock, interspecific

Tomato rootstock recommended for long cultivation with good generative development. Easy to graft.

VIGOUR STRONG | RESISTANCE HR: TOMV: 0-2 / FOL 0-2 / FOR / VA 0 / VD 0 / MA / MI / MJ / PI, IR: RS



Vigoterra F1 TD-4
Tomato rootstock, interspecific

Tomato rootstock recommended for short cultivation with good leaf-cover. Easy to graft.

VIGOUR STRONG | RESISTANCE HR: TOMV 0-2 / FOL 0-2 / FOR / PL / VA 0 / VD 0, IR: MA / MI / MJ



TD-33 F1
Tomato rootstock, interspecific

Interpecific variety with a complete package of resistances plus the latest Mi breaker resistance. Its medium vigour and early production make it suitable for both long and short cycles.

VIGOUR MEDIUM | RESISTANCE HR: TOMV 0-2 / FOL 0-2 / FOR / PL / VA 0 / VD 0, IR: MA / MI / MJ



Amaterra F1 TTM-127
Tomato rootstock, intraspecific

Intraspecific variety that can also be used for eggplant production areas where Verticillium is considered a problem.

VIGOUR MEDIUM | RESISTANCE HR: TOMV 0-2 / FOL 0-2 / FOR / VA 0-1 / VD 0-1 / RS, IR: MA / MI / MJ / PI



Cucumber

Rootstocks

Thrive in colder and harsher conditions

Stress tolerant

Strong

Glossy fruits

In addition to water, roots also absorb nutrients from the soil to feed the plant. Cucumbers are more sensitive to colder conditions than other fruit crops. Takii rootstocks thrive in colder and harsher conditions. Furthermore, our cucurbita moschata type cucumber rootstocks process silicon in such a way that they reduce the waxy layer on the fruit surface that cucumbers naturally have. Creating shiny and attractive fruit that stands out on the supermarket shelf.



Status F1
Cucumber rootstock

Strong generative growth. Gives excellent fruit quality with highly shiny fruits and dark green colour. Also suitable as watermelon rootstock.

VIGOUR STRONG | RESISTANCE
HR: FOC



Custodian F1
Cucumber rootstock

Cucumber rootstock with strong vigour for growing speed and a more vegetative plant habit. Excellent fruit quality. Uniform germination for easy grafting.

VIGOUR STRONG | RESISTANCE
HR: FOC, IR: PX



Ancora F1
Cucumber rootstock

Variety with strong generative growth. Recommended for its cold tolerance. Ancora improves the fruit quality, also under more stressful growing conditions. Reduces the effect of silicon on the fruits. Recommended for several soil types. Also usable as watermelon rootstock.

VIGOUR EXTRA STRONG |
RESISTANCE HR: FOC, IR: PX

“Ancora is the ideal variety for professional nurseries supplying the home garden market”

*Senior Account & Product
Manager Vegetables
Chris Matthijsse*





Melon

Rootstocks

Preventing the risk of Fusarium

High quality fruits

High sugar level

Beautiful netting

For the cultivation of melons of excellent quality, with a high sugar content and preventing the risk of Fusarium, we recommend choosing melon rootstocks. These are better suited for this than the squash rootstock. Takii's melon rootstock varieties are preferred by many producers around the world as they retain the sweet taste and beautiful netting of the scion, while ensuring a healthy, high yielding crop.



Assisto F1
Melon rootstock

Melon rootstock with a balanced plant development. Recommended for all seasons. High and uniform germination and easy to graft. Assisto keeps the original taste and quality of the scion variety.

VIGOUR MEDIUM STRONG | SOWING TIME COMPARED TO SCION 2 DAYS EARLIER | RESISTANCE HR: FOM 0-2, IR: MNSV

New



Supporto F1 TMA-129
Melon rootstock

This is a highly resistant to Fusarium and a strongly vigorous melon variety. It maintains the original taste and features of the melon scion varieties.

VIGOUR MEDIUM STRONG | SOWING TIME COMPARED TO SCION 0-5 DAYS EARLIER | RESISTANCE HR: FOM 0-2, 1, 2

“

“Using melon rootstocks preserves the original taste, sugar content and netting of the scion”.

”





Watermelon

Rootstocks

Squash and Lagenaria rootstocks

Strong vigour

Easy to graft

Fusarium resistance

Takii has two types of watermelon rootstocks. **squash** and **lagenaria** rootstocks. **Squash** for watermelon is widely used because of its strong vigour, low temperature growth and Fusarium resistance. **Lagenaria** rootstocks are known to have a positive influence on the fruit quality and sweet taste of watermelon. Takii has created added value by developing varieties that are so strong, that they not only improve yield, but also provide a fully covered vegetative crop, while maintaining excellent fruit quality.



Tetsukabuto F1
Watermelon rootstock

Strong vigorous watermelon rootstock Good development in early plant stage. Uniform germination and easy to graft. Also recommended as rootstock for cucumber and melon.

VIGOUR STRONG | SOWING TIME COMPARED TO SCION 2 DAYS EARLIER | RESISTANCE HR: FOM 0,1,2 IR: FOR/FOM 0-2



Consista F1
Watermelon rootstock

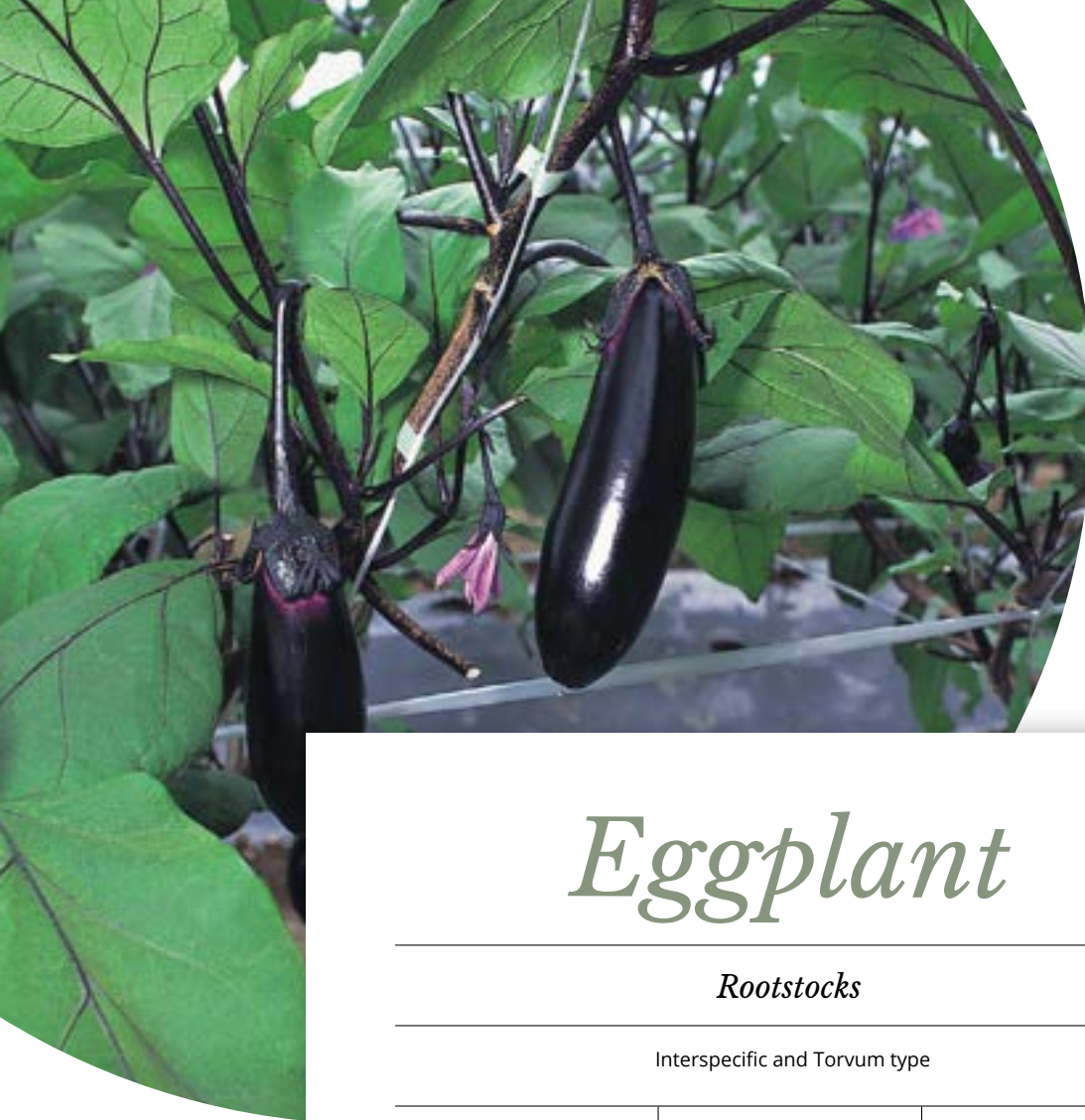
Strong vigorous watermelon rootstock. Fast growing and easy to graft. Especially recommended for watermelon cultivation under stressful conditions.

VIGOUR EXTRA STRONG | SOWING TIME COMPARED TO SCION 2 DAYS EARLIER | RESISTANCE HR: FOM 0,1,2 IR: FOR/FOM 0-2

Dorici F1
Watermelon rootstock

Lagenaria rootstock for watermelon. Provides excellent quality with significantly less yellow fiber in watermelon flesh. Strong vigour and high yield potential.

VIGOUR STRONG | SOWING TIME COMPARED TO SCION 3-4 DAYS EARLIER | RESISTANCE HR: FON, IR: FOL



Eggplant

Rootstocks

Interspecific and Torvum type

Strong growth

Uniform

Performs well

Using rootstocks is a highly effective way to deal with soil-borne diseases that cause major damage to the eggplant. It also adds strength to the scion and increases yield at low temperatures and abiotic stress. Takii offers superior eggplant rootstock varieties of **Interspecific** and **Torvum** type. The Interspecific type quickly reaches the grafting stage in nurseries/plant raisers and shows excellent cold tolerance in production areas. The Torvum type has extra strong vigour and Nematode resistance.



Javah F1
Eggplant rootstock

Uniform germination. Recommended for its strong growth under low temperatures. It can stand a certain infection of nematode, but is not resistant.

VIGOUR MEDIUM TO STRONG | SOWING TIME COMPARED TO SCION 0-3 DAYS EARLIER | GROWTH UNDER LOW TEMP STRONG | RESISTANCE HR: VD/FOM



Elementa
Eggplant rootstock

Extra strong solanum rootstock. Strong against nematode. Free from spined rootstock shoots.

VIGOUR EXTRA STRONG | SOWING TIME COMPARED TO SCION 12-14 DAYS EARLIER | GROWTH UNDER LOW TEMP STRONG | RESISTANCE HR: RS/VD/FOM, IR: MI/MA/MJ



Kiso F1
Pepper rootstock

Vigorous pepper rootstock for longer cultivation period. Especially recommended for production areas with phytophthora capsicii problems.

VIGOUR MEDIUM STRONG | SOWING TIME COMPARED TO SCION 3 DAYS EARLIER | RESISTANCE HR: TM 0-2
IR: RS, PC, MA, MI, MJ

Resistance table

Fom 0-2	Fusarium oxysporum f.sp. melonis	Melon Fusarium wilt
Fom 1.2	Fusarium oxysporum f.sp. melonis	Melon Fusarium wilt
Fol 0-2	Fusarium oxysporum f.sp. lycopersici	Fusarium wilt
Foc	Fusarium oxysporum f.sp. cucumerinum	Cucumber Fusarium wilt
For	Fusarium oxysporum f.sp. radicum-lycopersici	Fusarium crown and root rot
MNSV	Melon necrotic spot virus	Melon necrotic spot
Rs	Ralstonia solanacearum	Bacterial wilt
Pc	Phytophthora capsici	Buckeye fruit and root rot
Ma	Meloidogyne arenaria	Root-knot
Mi	Meloidogyne incognita	Root-knot
Mj	Meloidogyne javanica	Root-knot
ToMV	Tomato mosaic virus	Tomato mosaic
Va	Verticillium albo-atrum	Verticillium wilt
Vd	Verticillium dahliae	Verticillium wilt
Pi	Phytophthora infestans	Late blight
Pl	Pyrenochaeta lycopersici	Corkyroot rot
Px	Podosphaera xanthii (ex. Sphaerotheca fuliginea)	Powdery mildew

* Most existing tomato rootstocks have IR against M, Mj and Ma, three of the most common types of root knot nematodes. However, this existing intermediate resistance, controlled by a gene called Mi-1, has already been overcome by nematode isolates, the so-called “**Mi-1 breaker**”. Our new rootstock TD-33 is a variety with clear added value because it has IR even against these types of isolates.



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