

PROFI-FRUTTI™ MANDARIN F1

tomato, indeterminate



About:

Round, glossy, orange fruit with a light acidity. Brix \pm 11. Individual fruit weight: \pm 20 g / 0.7 oz.

Profi-Frutti™ is our limited range of indeterminate tomato plants. Excellent productivity for protected cultivation in tunnels, greenhouses and outdoor. Crunchy fruit with a high transport tolerance and long shelf-life. Crop time from young plant until red fruit is 11-13 weeks.



FEATURES

- High transportability

YOUNG PLANT	DESCRIPTION
Nr of Seeds/plug	1 for plug size, 1, 2-1.1 in / 5-3 cm
Germination days	1-2 days* (biological des-infected seeds can take 2 days more)
Germination temp.	18°-21°C – 64°-70°F Covered and high humidity, no light needed
Grow on days	14-21 days
Grow on temp.	61° - 70° F/ 16° - 21°C
Min. Grow on temp.	61°F-16°C (This enlarges the Grow on days period)
Max. Grow on temp.	95°F - 35°C This shortens the Grow on days period, encourage stretching internodes
Optimal D/N temp.	70°-64°F/ 21°-18°C
Soil for sowing	Sowing soil with good drainage, EC 1,5 PH 5,8-6,5
Soil for sowing covering	Vermiculite / soil with open structure /app. 0.08 - 0.12"/ 2-3 mm thick
Fertilization in the plug	2,5 EC with each watering, NPK 15-10-15 and micro elements
Ready to transplant	Full rooted plug with short internodes. Small young flower could be visible

The above recommendations are based mainly on the breeders experience in overseas growing conditions. No liability can be given for their application and use, which will depend on the adaptation to local conditions and phytosanitary regulations.

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FINISH FOR GROWER	
Potting soil	Standard soil with good drainage and also good water storage capabilities EC 2,5 PH 5,8-6,5
Pot-size	15-17cm 6-7" as young plant with 1 bunch of flowers. Optimal 17 cm/7" with cage to keep the plant up
Plugs per pot	1
Spacing Indoor	Space the plants when the leaf's are reaching each other.
Indoor	Final distance indoor 40-50 cm/16-20" in the row x 80-100/32-40" between the rows (2-3 plts/m2) for produce/commercial fruit production
Outdoor in open soil	Final distance indoor 50 cm/20" in the row 100 cm/40" between the row (2 plts/m2)
Planting soil	Standard soil with good drainage and also good water storage capabilities EC 1,5 PH 5,8-6,5
Min. Grow on temp.	18°C – 61°F (This enlarges the Grow on days period)
Ideal grow on temp.	21°C-25°C– 70°-77°F
Optimal D/N temp.	23°C/77°F -18°C/64°F
Frost	Plants cannot stand frost
Watering	Regularly for continues growth, keep the soil moist Watering with minimal. 2,5 EC keeps tomatoes healthy
Crop time to saleable	10-12 weeks after planting, the first bunch starts show color.
Attention points during plant growing	<p>Put 2-3 sticks around the central stem of the plant to keep the plant in balance when fruits are growing.</p> <ul style="list-style-type: none"> • High temperatures (81°F 27°C average D/N) induce pollen infertility/no fruit set. Within the 70°-81°F/ 21-27°C range a diurnal fluctuation of at least 5-6oC promotes good pollen fertility. • Night temperatures of between 61°-68°F/ 16-20°C are ideal. Temperatures below 55°F/13°C severely affect the pollination of most cultivars. • Insects, especially bees and bumble bees, support fruit set on tomatoes • Tomato plants have a high fertilization need. When the EC is too low, the leaf's can turn yellow when the fruits are colouring. This also reduces the taste of the fruit. • When the flowers show, increase the EC in to 3-4, to keep the fertilization in the pot high enough. (EC in the pot can go up to 7-9) • Tomato plants/leaf's can be made sturdier by spraying (MgSO4 -bitter salt and Dipotassium-sulphite (K2SO3)) solutions on the plants (possible combined with other chemicals which need to be used). This has a positive effect on the leaf size and colour • Clay in the soil will stabilize fertilization variation and reduce stretching. 2-5% is advisable, can be increased to 10%. <p>Potassium-phosphate (MKPO3) in a concentration of 0,1% improves the quality of tomato plants. This is a good method against phytophthora. For all tomatoes this can lead to a significant reduction of failures.</p>

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CONSUMER USE	
Use	Indoor-Outdoor snack tomato for commercial production. Keep the side-shoots away to have optimal growing of fruits and central stem.
Unique Specifications	<p>Fruit weight; depends on the variety</p> <ul style="list-style-type: none"> • Each variety has an excellent taste • The fruits have a consistent and good transportability • High temperatures (27°C average D/N) induce pollen infertility/no fruit set. Within the 21-27°C range a diurnal fluctuation of at least 5-6oC promotes good pollen fertility. • Night temperatures of between 16-20°C are ideal. Temperatures below 13°C severely affect the pollination of most cultivars. • Insects, especially bees and bumble bees, support fruit set on tomatoes • Tomato plants have a high fertilization need. After germination watering with 2,5 EC with macro and micro elements supports growth. • Clay in the soil will stabilize fertilization variation



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