

# Monstera deliciosa

Cultivation manual — young plants from seed

- Deep green, shiny, highly perforated leaves
- Early development of leaf perforations
- Well-suited as houseplant and for cut foliage



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# Monstera deliciosa — Young plants from seed

## Pot culture:

<b>Culture location:</b>	Greenhouse
<b>Culture season:</b>	Yearround
<b>Average young plant production time:</b>	10 to 13 weeks
<b>Recommended pot sizes:</b>	
Product name:	12 to 32 cm pots
<b>Plugs per pot:</b>	1 to 4 plugs per pot
<b>Plant density:</b>	
14 cm pot:	18 pots per m <sup>2</sup>
17 cm pot:	12 pots per m <sup>2</sup>
21 cm pot:	5 pots per m <sup>2</sup>
<b>Crop time from plug to finished product:</b>	
14 cm pots:	16 weeks in summer 20 weeks in winter
17 cm pot:	20 weeks in summer 26 weeks in winter
21 cm pot:	26 weeks in summer 32 weeks in winter

### Pests/diseases:

Mealy bugs, Spider mites and Thrips may appear. Aphids in particular can cause damage in the unrolled leaves. Leaf spots caused by Phytophthora, Dactylaria and Cercospora may occur. Root rot caused by Pythium, Rhizoctonia, Botrytis, Sclerotium. Leaf spot appears on the edges of the leaves. Sometimes it looks like glassiness. It is recommended, especially in winter, to spray preventively with a stoburiline compound such as Ortiva or Flint, mixed with Serenade (Bacillus amyloliquefaciens QST 713)

## Cultivation tips:

- Monstera requires a warm and humid greenhouse climate. The crop also tolerates lower temperatures very well, but will not grow fast. If the RH is maintained, Monstera can tolerate a lot of light.
- Strong climate fluctuations may result in leaf deformity.

## Finishing:



### Soil/media:

Use a well-drained, soil mix with a pH of 5,5 and an EC of (1:1.5) 1,0 – 1,2 mS/cm.



### Moisture:

Irrigate regularly (morning or evening), preferably using rainwater.

A relative humidity of 75 to 90% is ideal.



### Temperature:

Ideal cultivation temperatures are between 18 and 22°C. To harden off and store, keep temperatures above 12°C.



### Light:

Start screening at 350 watt, with LS 15 or 16. Apply chalk at 450 watt from mid spring to the end of summer to keep the RH in the greenhouse on track.



### Fertilization:

Monstera is a fast grower and requires intensive fertilization.

EC target value in the pot (1:1.5) 1,0 – 1,2 mS/cm. Set EC release at 1,8-2,4 and pH at 5,5.

For extra shiny leaves you can spray with a urea-containing fertilizer or a seaweed extract.

## Notes:

This information is for general guidance only, and is in some cases specific for North European conditions. No guarantee is given for the result of the crop, nor is liability accepted for the consequences of applying the indications given.