

Radermachera sinica — Young plants from seed

Pot culture:

Culture location:	Greenhouse
Availability:	Year round
Average young plant production time:	8 to 10 weeks
Recommended pot sizes:	
Radermachera sinica:	12 to 17 cm pots
Plugs per pot:	1 to 2 plugs per pot
Plant density:	
12 cm pot:	25 pots per m ²
17 cm pot:	12 pots per m ²
Crop time from plug to finished product:	
12 cm pots:	12 weeks
17 cm pots:	20 weeks

Pests/diseases:

Radermachera is sensitive to Thrips and Spider mites. In the large pot sizes, Scales and Mealybug can be a threat. IPM is a possibility. Make sure to start early and ensure good climate conditions (temperature and humidity). Radermachera is very sensitive to root diseases as a result of irregular watering and wet cultivation. Botrytis and stem rot can be a problem in dark and cold conditions (winter period). Good ventilation is recommended even when the temperature is low.

Finishing:



Soil/media:

Use a well-drained, airy soil mix with an EC of (1:1,5) 0,8 – 1,2 mS/cm and a pH of 5.8 – 6.2.



Moisture:

Apply moderate Irrigation to keep the soil constantly slightly moist. Reduce watering when temperatures are high (in this case, better irrigate in the evening or the following morning). Watering with ebb/flow floors or sub-irrigation is preferred. A Relative Humidity of 80% is ideal.



Temperature:

Ideal cultivation temperatures are 18 to 20°C.



Light:

By using artificial light as a supplement to (a lack of) natural sunlight, plants will get more robust, grow faster and more compact. Start screening at 300 watt, with LS 14. Apply chalk at 450 watt to keep the RH in the greenhouse on track.



Fertilization:

EC target value in the pot: (1:1,5) 0,8 – 1,2 mS/cm. Set EC release at 1.6 – 2.0 and pH at 5.8 – 6.2.

Cultivation tips:

Notes:

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