

Ranunculus asiaticus



Central Europe North Europe



Magic Machè

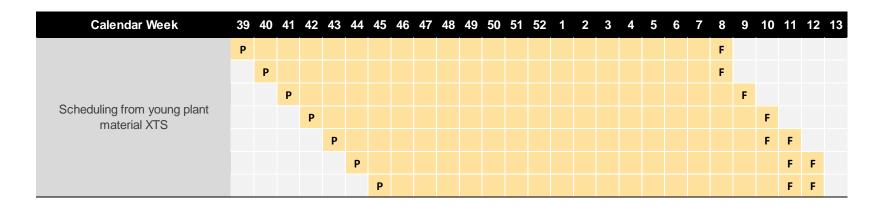
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Finished Plant Ranunculus

Series	Туре	Leaf colour	Pot size
Magic	compact	green	10.5–12 cm
Machè	vigorous	green	12–14 cm

Remarks

Machè needs some PGR applications, depending on the temperature and light conditions



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Cultivation Advice

For early flowering (week 4-6,) you have to increase the average temp. to 15°C from mid December till flowering. Also increase the day length with 3 hours. When flower buds are visible spray PGR to get short flower stems.



Substrate

Most suitable are humus substrates with a coarse structure and good air flow.

A 15% clay and 5 % coconut fiber content promotes water retention. The pH should be in the range 5.5-6.5.

A stockage(1 kg / m³ PG Mix.) With a multi-nutrient fertilizer, mixed with trace elements, is advantageous.



Fertilization

Important to keep EC levels of the growing media in the range of 2.0-2.5. Measure the EC every week. Increase the N:K relation to 1:1.2 after 4 weeks to improve the compact habit of the crop. In the last 4 weeks, go back to N:K relation 1:1.



Light

Ranunculus need as much as possible light



Irrigation

the Soil moisture level need to be between 3 and 4. Very important is during the culture not to dry, because than stop the plant to grow.



Pests

Aphids, Thrips, Spidermites, Leafminer, Whitefly



PGR Applications

Mache need PGR (Dacide) 2-3 weeks after potting. Depending on the temperature and development till 5 - 7 times Magic is genetic compact - spray PGR max. 1-2 times depending on the deveopment of the plants



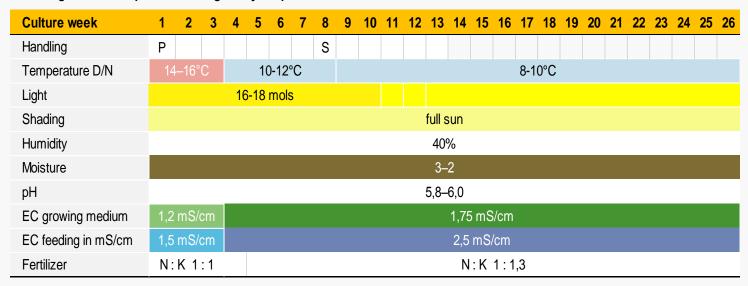
Diseases

Botrytis, Powdery Mildew, Phytium

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Recommendations

Culture guideline at optimum average daily temperature 10-12°C:



Legend

Soil moisture level EC zones feeding mS/cm Temperature zones Shading saturated: water is easily observed. When the substrate is 0-5°C 1 0.5-1.0 mS/cm 1 shading > 250 W/m2 touched, water moves out freely from top to bottom. 5-8°C 2 1.0-1.5 mS/cm 2 shading > 450 W/m2 4 wet: water is not easily observed. When the substrate is 8-12°C 3 shading > 750 W/m2 3 1,5-2,0 mS/cm touched, there is very little movement of water from top to bottom. 4 2,0-2,5 mS/cm 4 12-14°C 3 moist: the substrate is black but not glistening. When the 14-16°C ST sticking URC PC plastic cover 5 2,5-3,0 mS/cm substrate is touched, there is water, but virtually no water movement. RD lift cover 6 3,0-3,5 mS/cm 16-18°C root development SC. gapping 2 medium: the substrate turns form dark to medium brown. 18-20°C sowing no Vermiculite cover There is no water movement when touched. SC1 sowing plus light Vermiculite cover TP transplanting 20-22°C EC zones growing medium SC₂ sowing plus medium Vermiculite cover ypl transplanting 1 dry: the substrate changed color to very light brown. >22°C mS/cm (Sonneveld 1:1,5) cover to protect from frost sowing plus thick Vermiculite cover SC₃ 1 0,5-0,75 mS/cm PGR treatment (spray) RE radicle emergence PGR Light zones 2 0,75-1,0 mS/cm Cot cotyledon PD PGR treatment (drench) or heavy spray Culture stages Cuttings / Seeds total darkness 3 1,0-1,25 mS/cm × mist day and night short day <12 h/short day treatment callus development / germ1, radicle emergence 4 1,25-1,5 mS/cm DB disbud mist day - dry night 5 1,5-1,75 mS/cm shaded potting root development / germ2, cotyledon expansion end mist leaf development / plug bulking 6 1,75-2,0 mS/cm no-shading / natural light FC fleece cover spacing flowering plug finishing / plug finishing 7 2,0-2,25 mS/cm supplemental light > 14 h/long day treatment plastic cover leaf removal and maintenance 6 night interruption