Queen MP

Start in Plugs

- **Use Coco peat, Peatmoss or other well drained soil types.**
- **Use a 50 to 84 hole tray. 50 holes when sticking more than 3 weeks before transplanting.**
- **EC from start 3.5 EC, pH 5.3 to 5.8.**
- **Fertilizer recipe:**

N	Nitrogen	200	ppm	Mn	Manganese	0,6	ppm
P	Phosphor	60	ppm	B	Boron	0,35	ppm
K	Potassium	210	ppm	Cu	Cupper	0,15	ppm
Ca	Calcium	210	ppm	Zn	Zinc	0,1	ppm
Mg	Magnesium	50	ppm	Cl	Chloride	50	ppm
S	Sulphur	25	ppm	Mo	Molybdenum	0,05	ppm

- **Keep wet (moist) Never dry.**
- **Store cuttings for 4 to 5 days before stick at 16 to 18 degree Celsius. That will give a uniform rooting.**
- **Cover with acrylic fleece (Agryl) or similar the first 7 days to keep plants moist. Sprinkle the Agryl once or twice a day to keep moist. This is not irrigation.**
- **Always use fertilizer when irrigating. 3.5 EC**
- **Right after stick apply a fungus spray, Captan 50W (250 gram / 100 liter) 100 liter / 50 M2**
  http://www.phytocaregroup.com/files/insecticidas/Captan50WP.pdf
  Possible fungal diseases:

Fungus and Fungicides					
Fungus	**Chemical**	**Active ingredient**	**Concentration**	**Dosage**	**Comment**
Botrytis/Rhizopus	Switch	375 g/kg cyprodinil 250 g/kg fludioxonil	75 g/100 liter	100 liter/250 m2	Alt. Captan or Rovral or Thiram
Botrytis/Rhizopus	Rovral	750 g/kg iprodion	75 g/100 liter	100 liter/250 m2	Alt. Captan or Switch or Thiram
Botrytis/Rhizopus	Thiram	480 g/l thiram	75 g/100 liter	100 liter/250 m2	Alt. Captan or Switch or Rovral
Cylindrocarpon	Switch	375 g/kg cyprodinil 250 g/kg fludioxonil	75 g/100 liter	100 liter/150 m2	Alt. Captan
Thielaviopsis	Switch	375 g/kg cyprodinil 250 g/kg fludioxonil	75 g/100 liter	100 liter/150 m2	Alt. Captan
Phytopthera/Pythium	Acrobat	75 g/kg dimethomorph 667 g/kg mancozeb	75 g/100 liter	100 liter/150 m2	Alt. Captan or Amistar
Phytopthera/Pythium	Amistar	250 g/l azoxystrobin	75 g/100 liter	100 liter/150 m2	Alt. Captan or Acrobat
General Fungus	Captan	500 g/l captan	250 g/100 liter	100 liter/50 m2	No effekt against Rhizotonia
Rhizotonia	Rizolex	500 g/l tolclofos-methyl	100 g/100 liter	100 liter/150 m2	No alternative
Downy Mildew	Denarin/Saprol	190 g/l triforin	100 g/100 liter	100 liter/250 m2	Alt. Candit
Downy Mildew	Candit	500 g/kg kresoxim-methyl	100 g/100 liter	100 liter/250 m2	Alt. Denarin/Saprol

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- **Chemical and pest Control**

Pest and Chemicals					
Fungus	**Chemical**	**Active ingredient**	**Concentration**	**Dosage**	**Comment**
Aphids	Pirimor	500 g/kg pirimicarb	75 g/100 liter	100 liter/200	Combine w/ Decis
Aphids	Decis	25 g/l deltamethrin	75 g/100 liter	100 liter/200	Combine w/ Pirimor
Aphids	Teppeki	500 g/kg flonicamid	30 g/100 liter	100 liter/200	Combine w/ Pirimor
Fungus gnat/Sciara	Nomolt	150 g/l teflubenzuron	75 g/100 liter	100 liter/100	Alt. Steward
Fungus gnat/Sciara	Steward	300 g/kg indoxacarb	5 g/100 liter	100 liter/200	Alt. Nomolt
Dupontchelia/Moths	Nomolt	150 g/l teflubenzuron	75 g/100 liter	100 liter/100	Alt. Steward or XenTari
Dupontchelia/Moths	Steward	300 g/kg indoxacarb	5 g/100 liter	100 liter/200 m2	Alternating w/ XenTari. 1 week between treatments
Dupontchelia/Moths	XenTari	540 g/l Bacillus thuringiensis, subsp. aizawai, Strain ABTS-1857	300 g/100 liter	100 liter/100 m2	Alternating w/ Steward. 1 week between treatments
Thrips	Conserve	120 g/l spinosad	100 g/100 liter	100 liter/200 m2	Alternating treatments with Admiral/Mospilan & Vertimec/Teppeki. 5 days between treatments
Thrips	Admiral	100 g/l pyriproxyfen	50 g/100 liter	100 liter/200	Combine with Mospilan
Thrips	Mospilan	200 g/kg acetamiprid	50 g/100 liter	100 liter/200	Combine with Admiral
Thrips	Vertimec	18 g/l abamectin	100 g/100 liter	100 liter/200	Combine with Teppeki
Thrips	Teppeki	500 g/kg flonicamid	100 g/100 liter	100 liter/200	Combine with Vertimec
Broad mites	Vertimec	18 g/l abamectin	100 g/100 liter	100 liter/200 m2	Combine with or Floramite or Apollo. 7 day interval between treatments
Broad mites	Apollo	480 g/l thiram	40 g/100 liter	100 liter/200 m2	Combine with Vertimec

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- **After 21 days, do a soft pinch, only pinch the tip over 3 leaf pairs.**
- **After 35 days, transplant in trays or direct into soil. In trays can be used Coco peat, peatmoss or other types of well drained growing media.**
- **Make the soil very wet before or right after transplanting. Make sure that the EC is high (2,5 to 3.0 EC)**
- **Fertilizer recipe:**

N	Nitrogen	200	ppm	Mn	Manganese	0,6	ppm
P	Phosphor	60	ppm	B	Boron	0,35	ppm
K	Potassium	210	ppm	Cu	Cupper	0,15	ppm
Ca	Calcium	210	ppm	Zn	Zinc	0,1	ppm
Mg	Magnesium	50	ppm	Cl	Chloride	50	ppm
S	Sulphur	25	ppm	Mo	Molybdenum	0,05	ppm

- **Right after transplant apply a fungus spray, Captan 50W (250 gram/100 liter) 100 liter/50 M2.**
- **Make sure that the soil is moist at all time. Do not let it dry out, especially not the first 3 weeks after transplanting.**
- **Keep the EC at 2,5 and if Coco peat or compost is used then go to EC 3,0 in the first 6 weeks after transplanting.**
- **If EC is to low the plants will turn yellow after 3 to 4 weeks.**

Plants to the left, 1 week after transplant, still green.
Plants to the right 5 weeks after transplant, yellow because of to low EC.

- **After 56 days there should be two cuttings that can be harvested and still, leave a pair of leafs behind on the MP.**
- **Below here you can what is right and what is wrong**

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Correct pinching of the mother plant.

Not correct pinching of the mother plant.

Correct pinching of the cutting

Not correct pinching of the cutting

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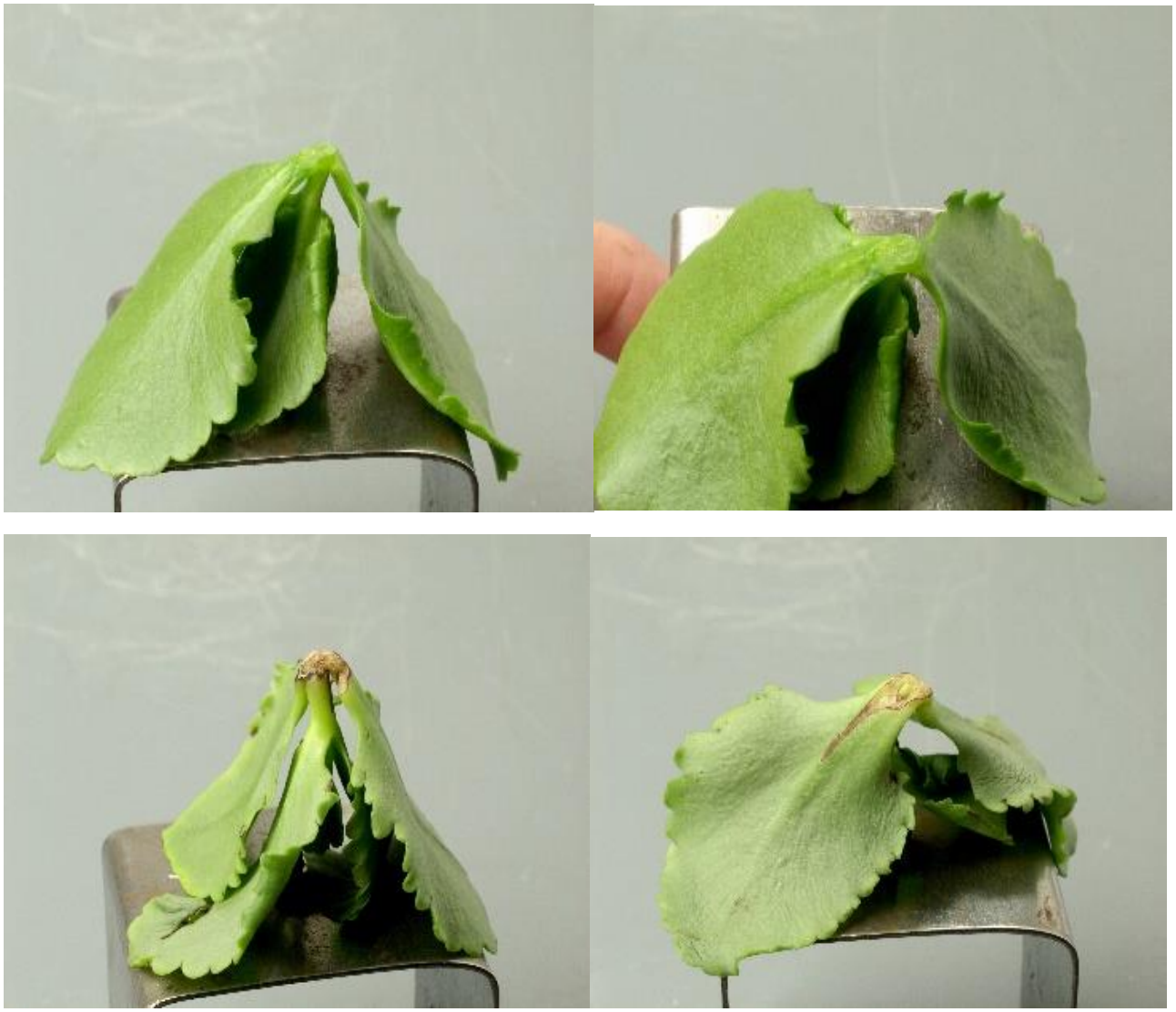
Impact on the cutting quality, if they are not harvested the correct way.



- **Cuttings can be harvest in different sizes but make sure that they are even in the batches.**
- **Do not make the cuttings to big, it will just use more energy to sustains itself while rooting.**

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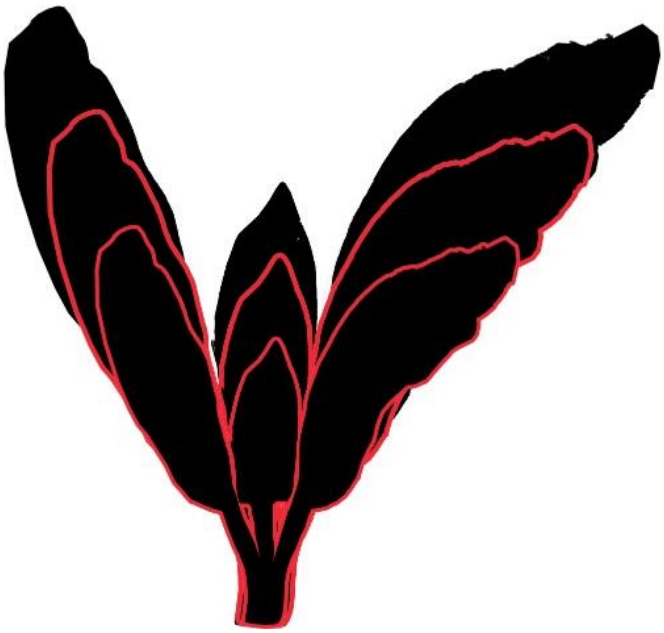

- **It is possible to harvest good quality cuttings until the MP is 35 weeks old.**
  After that, the cutting will get harder and will root uneven.
- **Make sure that EC are maintained at a level around 2,5 to 3.0 EC in the soil and never let them dry out.**
- **After 20 weeks, it will be good to drench out the soil with a heavy shower of 150 gram Calcium Nitrate / 100 liter to kick-start the plants again (but this is not a necessity, but can improve the yield)**