

Grow plants until they are 5" or 6" tall in vegetation, then change to the flowering cycle

GROWTH	LIGHT 18 hours	WATERING Continuous	FERTILIZING • Enzyme • Growth Fertilizer • B1-Seaweed based • Root Stimulator	PPM 500
--------	-------------------	------------------------	---	------------

Flowering week 1	<ul style="list-style-type: none"> • Enzyme • Flowering Fertilizer • B1 Seaweed based • Calcium Magnesium Supplement 	800 PPM
Flowering week 2	<ul style="list-style-type: none"> • Enzyme • Flowering Fertilizer • B1 Seaweed based • Early bloom booster 	1000 PPM
Flowering week 3	<ul style="list-style-type: none"> • Enzyme • Flowering Fertilizer • Carbohydrate • Calcium Magnesium Supplement 	1000 PPM
Flowering week 4	<ul style="list-style-type: none"> • Enzyme • Flowering Fertilizer • Carbohydrate • Bloom Supplement 	1000 PPM
Flowering week 5	<ul style="list-style-type: none"> • Enzyme • Flowering Fertilizer • Carbohydrate • Calcium Magnesium Supplement • Bloom Supplement 	1000 PPM
Flowering week 6	<ul style="list-style-type: none"> • Flowering Fertilizer • Carbohydrate • Calcium Magnesium Supplement • Bloom Supplement 	1000 PPM
Flowering week 7	<ul style="list-style-type: none"> • Flowering Fertilizer • Carbohydrate • Calcium Magnesium Supplement • Bloom supplement 	1000 PPM
Flowering week 8	Water and rinse product	

All plants should be healthy and have good root development before transplanting

Flush rock wool with an enzyme and water solution every 2-3 weeks

LIGHT



12 hours

WATER



15 minutes/hour

IMPORTANT

- Desired Ph 5.8 – 6.2
- Temperature inside the ECOSYSTEM should never exceed 29°C or 84.2°F
- Air conditioning is recommended to control heat
- Room temperature outside of the ECOSYSTEM is recommended at 17°C or 62.6°F but should never be higher than 20°C or 68°F

GETTING STARTED

Remove rubber stopper from inside the drippers, if not already removed during assembly.

TREATING THE ROCK WOOL:

1. Cut off the top and bottom of each bag, creating a complete opening.

Note: The rock wool slab should be centered in plastic bag with approximately 2" of plastic above and below rock wool. This acts as splash protection.

2. Insert slabs into the ECOSYSTEM
3. Prepare water for rock wool treatment
 - Fill reservoir with 60L water
 - Use enzyme product and wetting agent
 - Ph 5.0
4. Run pump continuously for 24 hours
5. To guarantee rock wool is properly treated: use any 2L pitcher, fill and pour onto top of rock wool slab.

TRANSPLANTING

- **It is recommended to treat baby plants with a root development product before transplanting.**
- Recommended number of plants: 80 to 140 (depending on variety).
- Always insert the plants below the top Velcro and above the bottom Velcro strap.
- All plants should be healthy and have good root development before transplanting.

PLANT MAINTENANCE

At the beginning of the flowering cycle, trim off branches that are growing towards the rock wool and not the light.

RESERVOIR MAINTENANCE

- Change water in the reservoir every 5 to 7 days. Use the submersible pump by removing the line to the drippers and adding a hose with the same fitting to empty the contents of the reservoir **or** empty the contents by hand.
- Thoroughly clean the ECOSYSTEM reservoir and pump filtre with a biodegradable, non-toxic soap.
- Depending on the stage of the plants, refill with a ph balanced (ph 5.8 – 6.2), nutrient solution.

EXTRA VENTILATION

When using bulbs higher than 400W, extra ventilation or is recommended. One or more of the following methods can be used:

- Insert a 12" wall fan into base of the machine (semi-circle)
- Insert a blower (such as an Air King) under machine
- Install an air conditioning unit
- A 6" or 8" in-line fan can also be suspended above the ECOSYSTEM. Attach the fan to the ceiling and run ducting to ECOSYSTEM. DO NOT place fan directly on top of the ECOSYSTEM.

Flush rock wool with an enzyme and water solution every 2-3 weeks



ECOSYSTEM™