

NEW DELHI HYDRO DELHI HYDRONICS

Liquid Trio feed guide – Coco

This guide assumes you have correctly [cleaned and buffered](#) your coco medium, your instruments are well calibrated, your medium is packed loosely with excellent drainage, and you are using RO (or packaged drinking water) or low EC water.

You will need:

- Water [EC tester](#)
- Water [pH tester](#)
- [the ICM CalMag](#) supplement nutrient
- [Liquid Trio](#) 3-part base nutrients
- [Perfect 5.8](#) pH down acidity regulator
- Dropper pipette and 5-10ml syringe (good practice to have an individual syringe for each concentrate)

The method is simple. Measure the electrical conductivity (EC) of the source water, add nutrients to bring the EC to desired levels, adjust the acidity (pH) of the solution and feed the plants. Take notes of all parameters daily, and the grow will go a lot simpler and smoother.

EC, or electrical conductivity, is a measure of dissolved solids in a solution. This reading gives an estimate to the quantity of nutrients in the solution available to the roots of the plants. Plants require varying nutrition strengths during different stages of growth.

For seedlings, an EC of 0.5 is good, a young plant an EC of up to 1 is desired, for mature plants it can be taken up to 1.5.

Never mix the concentrates directly with each other. For each litre of solution:

1. Measure the EC of 1litre RO Water. *For this written hypothetical example, we will consider EC of plain RO water to be 0.100 (this is called your background EC). Also measure and note the pH.*
2. Add 3ml of *the ICM CalMag* and measure EC. *This should raise EC of solution by 0.3 + background EC for a total EC of 0.4*
3. Add 5ml each of *Liquid Trio Micro, Grow and Flower*. *This should raise EC of solution by 1.0. So now we have background EC @ 0.1 + CalMag EC @ 0.3 + Base Nutrients EC @ 1.0 for a total EC of 1.4. Measure and verify. Some variation can be expected.*
4. Adjust above solution to desired final EC level by either diluting it with more RO water to reduce the EC, or proportionally decreasing or increasing the dose of the nutrient concentrates.
5. Measure pH of the solution and adjust to 5.8-6.0.
Add one drop of *Perfect 5.8* pH down concentrate per litre of water, stir well. Measure and repeat till desired pH is attained. Feed evenly.

How much and when to water

To avoid build up of additional salts in the grow medium, you always want at least 15-20% of the total feed to drain out from the bottom of the grow bag. Measure this runoff. It should read within 0.3EC of the feed, with a pH value ideally under 6.3.

Fertigate every day; do not allow the coco to go dry. Sometimes this could mean the coco needs watered twice a day. For seedlings and noticeably young plants this could be less. It is good practice to keep your schedule consistent.

Have fun!