

CANNA AQUA

CANNA AQUA is a nutrient line specifically developed for growing on recirculating or closed hydroponic systems, such as NFT. With these systems the drainage water isn't removed but is reused. In this system the plants are in direct contact with the nutrient solution.

Correct Composition

Plants do not absorb all the nutritional elements with equal speed or in equal amounts, because of this, the composition of the nutrient solution changes over time. CANNA AQUA has been developed in such a way as to ensure that the plants can always absorb the correct combination of nutritional elements that are necessary for optimum growth and bloom.

Self Regulating pH-level

The formula is designed so that the plant regulates the pH through its own natural means, ensuring the pH in the nutrient tank always remains within the optimum pH range for the plant. This means that having once set the correct starting pH no further correction should be necessary. Furthermore CANNA makes one of the most complex cultivation systems considerably easier for the grower.



Grow Schedule





| | Cultivation period In weeks | Light / Day In hours | Aqua Vega ml/ Gallon | Aqua Flores ml/ Gallon | RHIZOTONIC ml/ Gallon | CANNAZYM ml/ Gallon | CANNABOOST ml/ Gallon | PK 13/14 ml/ Gallon | EC + in mS/cm | PPM + | |
|-------------------------|--|-------------------------|----------------------------|------------------------------|-----------------------------|---------------------------|-----------------------------|---------------------------|---------------------|---------|-----------|
| VEGETATIVE PHASE | | | | | | | | | | | |
| GROWTH | Start / rooting (3-5 days) - Aqua substrate wet | <1 | 18 | 6-10 | - | 15 | - | - | - | 0.7-1.1 | 520-810 |
| | Vegetative phase I - Plants develop in volume | 0-3 ¹ | 18 | 8-12 | - | 8 | 10 | - | - | 0.9-1.3 | 670-960 |
| | Vegetative phase II - Up to growth stagnation after fructification or appearance of the formation of flowers | 2-4 ² | 12 | 10-13 | - | 8 | 10 | 8 ⁵ | - | 1.2-1.6 | 890-1180 |
| GENERATIVE PHASE | | | | | | | | | | | |
| FLOWERING | Generative Period I - Flowers or fruits develop in length. Growth in height achieved | 2-3 | 12 | - | 12-15 | 2 | 10 | 8-15 | - | 1.4-1.8 | 1040-1330 |
| | Generative period II - Development of the volume (breadth) of flowers or fruit | 1 | 12 | - | 12-15 | 2 | 10 | 8-15 | 6 | 1.6-2.0 | 1180-1480 |
| | Generative Period III - Development of the mass (weight) of flowers or fruit | 2-3 | 12 | - | 8-12 | 2 | 10 | 8-15 | - | 1.0-1.4 | 740-1040 |
| | Generative Period IV - Flowers or fruit ripening process | 1-2 | 10-12 ³ | - | - | - | 10-19 ⁴ | 8-15 | - | 0.0 | 0 |

- This period varies depending on the species and number of plants per m². Mother plants remain in this phase until the end (6 – 12 months).
- The changeover from 18 to 12 hours varies depending on the variety. The rule of thumb is to change after 2 weeks.
- Reduce hours of light if ripening goes too fast. Watch out for increasing Relative Humidity
- Double CANNAZYM dosage to 19 ml/gallon, if substrate is reused.
- 8 ml/gallon standard. Increase to a maximum of 15 ml/gallon for extra flowering power.

EC: EC+ value is based in mS/cm when EC water = 0.0 by 25°C, pH 6.0. Add the EC of the tap water that is used to the recommended EC! The EC total in the example is with tap water with an EC of 0.4.

pH: Recommended pH is between 5.2 and 6.2.
Adding pH- can increase EC.
Use pH- grow in the vegetative phase to lower the pH
Use pH- bloom in the generative phase to lower the pH

PPM: PPM+ value is based on 0.74 conversion factor.

The guidelines in the table aren't an iron law, but can help novice growers to develop a sophisticated fertilization strategy. The optimum fertilization strategy is further determined by factors such as: temperature, humidity, plant species, root volume, moisture percentage in substrate, water dosage strategy, etc.

Make your personal grow schedule at
www.cannagardening.com

