



For cultivation of fast-growing plants in all recirculating systems!



CANNA AQUA

CANNA AQUA fertilisers provide a complete selection of high-quality products, accomplishing explosive growth and exuberant flowering for fast-growing plants in recirculating systems, effortlessly. For recirculating systems (such as NFT and Aeroponics) the drain water is not discharged, but reutilised entirely. By recirculating the nutrient solution, the composition changes on an on-going basis. The nutrients have been designed around this fact, because CANNA AQUA automatically adjusts the pH value of the watertank after it has been initially set by the grower. If the nutrient tank has an adequate pH value once, then interim adjustment is superfluous. CANNA AQUA nutrient guarantees optimum results, user-friendliness and a high-quality end product free of toxic ballast substances. To provide optimum support to the plant, we have developed CANNA Aqua Vega A&B for the growth phase and CANNA Aqua Flores A&B for the flowering phase.



CANNA RHIZOTONIC

This powerful root stimulator increases the overall resistance of the plant. A plant's resistance drops, for example, when it is young, recently potted, or pruned. CANNA RHIZOTONIC prevents stress in such an event. It stimulates the development of the plant and reduces the risk for disease. CANNA RHIZOTONIC contains vitalising plant extracts that promote root growth. It has more than 60 biological trace elements and vitamins that ensure, amongst other things, that new cuttings grow rapidly. Thanks to CANNA RHIZOTONIC, plants that have just been transferred can easily establish roots in their new medium. For a fast and powerful root system, CANNA RHIZOTONIC can also be administered via foliar spray. This is especially recommended if plants have not formed sufficient roots yet.



CANNAZYM

CANNAZYM is an enzyme preparation that was developed to break down dead plant material. Through the use of CANNAZYM, the medium remains free of unwanted dead roots and harmful pathogenic organisms. These micro-organisms would otherwise be able to develop in the dead plant material, which could result in disease. Through the fast breakdown of dead root material and the prevention of bacteria, an improved air-water relationship arises in the medium. The plants feed on minerals and sugars that are released through the breakdown process and these ensure extra stimulus. CANNAZYM is a medium and soil conditioner, which ensures that the growth medium can be reused several times. CANNAZYM contains more than 12 different enzymes. The product also contains vitamins and extracts of desert plants which contribute to improved absorption of nutrients.



CANNA PK 13/14

CANNA PK 13/14 is a mixture of high-quality minerals that stimulate flowering (food grade). CANNA PK 13/14 is a high-quality phosphorus-potassium mix, which is added during the flowering phase. These elements play a major role during the flowering phase of fast-growing plants and ensure stronger flowering. Through a special production process, CANNA has succeeded in combining the purest forms of phosphate (P) and potassium (K) in extremely high concentrations. As a result, CANNA PK 13/14 is not only easy to use, but is readily available to plants. Plants therefore exert very little absorption energy and can, as a result, focus on growth and flowering to the utmost.



CANNABOOST Accelerator

CANNABOOST Accelerator is a yield and quality increasing flowering stimulator, developed especially for fast-growing plants. It stimulates the development of new fruit, resulting in the plant bearing fuller fruit. In addition to flowering stimulators, CANNABOOST Accelerator also contains natural flowering regulators. These ensure enhanced dosage of the flowering stimulators present in the booster, as well as the flowering substances and energy that are present in the plant naturally. Fruit can therefore develop and ripen more regularly, producing a more homogeneous harvest. CANNABOOST Accelerator not only guarantees higher yields, but also ensures a more intense and fuller taste.

QUALITY PROVES ITSELF



	Cultivation period In weeks	Light / Day In hours	Aqua Vega		Aqua Flores		Rhizotonic		Cannazym		Cannaboost		PK 13/14		EC + in mS/cm	EC Total in mS/cm
			ml/ 10 litres	ml/ 10 litres	ml/ 10 litres	ml/ 10 litres	ml/ 10 litres	ml/ 10 litres	ml/ 10 litres	ml/ 10 litres	ml/ 10 litres	ml/ 10 litres				
VEGETATIVE PHASE																
Start / rooting (3 – 5 days) - Make the substrate wet	<1	18	15-25	-	40	-	-	-	-	-	-	-	-	-	0.7-1.1	1.1-1.5
Vegetative phase I - Plants develop in volume	0-3 ¹	18	20-30	-	20	-	25	-	-	-	-	-	-	0.9-1.3	1.3-1.7	
Vegetative phase II - Up to growth stagnation after fructification or appearance of the formation of flowers	2-4 ²	12	25-35	-	20	-	25	20 ⁵	-	-	-	-	-	1.2-1.6	1.6-2.0	
GENERATIVE PHASE																
Generative Period I - Flowers or fruits develop in length. Growth in height achieved	2-3	12	-	30-40	5	25	20-40	-	-	-	-	-	-	1.4-1.8	1.8-2.2	
Generative period II - Development of the volume (breadth) of flowers or fruit	1	12	-	30-40	5	25	20-40	15	-	-	-	-	-	1.6-2.0	2.0-2.4	
Generative Period III - Development of the mass (weight) of flowers or fruit	2-3	12	-	20-30	5	25	20-40	-	-	-	-	-	-	1.0-1.4	1.4-1.8	
Generative Period IV - Flowers or fruit ripening process	1-2	10-12 ³	-	-	-	25-50 ⁴	20-40	-	-	-	-	-	-	0.0	0.4	

GROWTH

FLOWERING

1. 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).
2. The changeover from 18 to 12 hours varies depending on the variety. The rule of thumb is to change after 2 weeks.
3. Reduce hours of light if ripening goes too fast. Watch out for increasing Relative Humidity
4. Double CANNAZYM dosage to 50 ml/10 litres, if substrate is reused.
5. 20 ml/ 10 litres standard. Increase to a maximum of 40 ml/10 litres 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.

The guidelines in the table aren't an iron law, but can help novice growers to develop a sophisticated fertilisation strategy. The optimum fertilisation 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 feeding growschedule at www.canna.com