

# TERRA



CANNA's nutrients for cultivating in peat based potting mixes are called CANNA TERRA. CANNA TERRA can be used for cultivating in both pots & open potting mixes, indoor & outdoor. The biggest advantages of growing in potting mixes are its ease of use and the tolerant nature of this medium, as a result of which small deviations in the feeding given do not have to have serious consequences for the yield. However, one disadvantage is that different types of potting mixes retain different nutritional elements which make precise control of the nutrient dosage difficult. Even though TERRA nutrients have been developed to overcome these problems and gives good results with every type of potting mix, CANNA has a special range of potting mixes: CANNA Terra Professional, CANNA Terra Professional Plus and

CANNA Terra Seedmix, which make the most of the TERRA nutrients. These potting mixes are made up of exclusive, high grade, organic ingredients such as airy peat moss and types of bark that have a characteristic antiseptic action. CANNA Terra Professional and CANNA Terra Professional Plus promote exceptional good root development and keep disease rates low. Among other things, these characteristics make CANNA's range of potting mixes particularly suitable for short cycle and fast growing crops. CANNA Terra Seedmix has a stable, homogeneous structure which ensures that it has better water retention than other potting mixes and this gives the seeds the best chance of germinating fully. CANNA Terra Seedmix is also ideal for use as a medium for rooting cuttings.



# HYDRO



CANNA HYDRO is the nutrient for systems in which the drainage water is not returned to the nutrient tank but drains away (Run-to-Waste / Open Hydroponic systems). The most popular cultivation method in the Netherlands and CANNA HYDRO is the nutrient that is most used for this system.

CANNA HYDRO has a balanced quantity of all nutritional elements needed by plants. As the substrates used in run-to-waste systems are mostly inert (They don't add or take nutrient elements from the nutrient solution) all the nutrients have to be in the nutrient solution. An excess of nutritional elements can lead to plant damage but they will also end up in the environment.

To prevent this from happening the nutrient should be specifically designed for such a system and preferably for your type of tap water. That's why CANNA developed a Hard and Soft water version of the HYDRO nutrient line. This ensures the exact amount of nutrients will be delivered to the plants root system and as little as possible nutrients will end up in the drain water; healthy for the consumer and great for the environment.

CANNA HYDRO is one of the cornerstones that have helped CANNA to become world market leader.



# AQUA

CANNA AQUA is the nutrient that has been specifically developed for the use in combination with closed hydroponic systems, like NFT or Bubbler systems. With these systems the drainage water isn't removed but is reused.

In this sort of system the plants are in direct contact with the nutrient solution. Because the plants do not absorb all the nutritional elements with equal speed or in equal amounts, 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. The formula is made up so the plants regulate the pH themselves so that the pH in the nutrient tank always remains within the optimum pH range.

This means that having once set the correct starting pH no further correction is necessary.

In this way CANNA makes one of the most complex cultivation systems considerably easier for the grower. It's not without reason that the majority of growers in the UK, a country where this cultivation method is extremely popular, use CANNA AQUA.



# COCO

CANNA COCO was the first nutrient product that was suitable for use when growing on coco and it still hasn't been equalled after all these years.

CANNA COCO gives unrivalled results on CANNA's coco substrate. This substrate combines the tolerant, organic nature of soil with the precision of rockwool. Due to the special characteristics of the substrate the nutrient doesn't have a Vega and Flores variant, but there is one unique formulation for both growth and blooming phase. We can't make things easier!

CANNA COCO is the only coco substrate that has a RHP certification which has not been sterilized and so retains its natural sponge-like qualities as well as the natural, beneficial fungi. This is the reason why

CANNA COCO is so successful as far as root development, growth and re-use are concerned.

Next to CANNA COCO there is also CANNA COGr, a coco substrate with the same qualities but a coarser structure that is particularly suitable for the experienced coco user.

Nutrients can be given more precisely when using this coco substrate than with any other. COGr boards are pressed and consequently take up very little space, which is ideal for transportation. The boards are reconstituted prior to use to restore their volume. CANNA COGr Vega and Flores are the nutrients which have been specially developed for use with COGr boards.



# QUALITY PROVES ITSELF!

From the beginning, CANNA has been synonymous with the highest quality available nutritional products and growing mediums thanks to our research driven philosophy. That's why it's not surprising that CANNA is the world market leader.

All of CANNA's products are tailored to meet the needs of plants that are cultivated under different circumstances. In this way the best results can be achieved regardless of the cultivation system used or the level of production.

A plant requires the same nutritional elements on different growing mediums. Cultivation systems do, however, have a considerable influence on the availability of these nutritional elements. Rockwool, for example, doesn't contain any nutritional elements whereas coco absorbs nutritional elements from the nutrient solution. It is for these sorts of reasons that the plants need different kinds of nutrients under different growing conditions. So CANNA has, in fact quite logically, developed different ranges of nutrients for each specific cultivation system. CANNA's products are well-known for their high yields, user friendliness, the purity of the raw materials and concern for the grower's health.

## Quality Proves Itself!

### Nutrients - Vega and Flores

On CANNA's nutrient bottles one usually comes across the terms 'Vega' or 'Flores'. These terms indicate in which development phase of the plant the nutrient should be used.

Vega is for the plant's vegetative or growing phase. During this phase the plant develops its roots, stems and foliage. A fast start, healthy root structure and powerful shoots are essential for an optimum end result.

Flores is for the flowering phase. During this phase the plant's nutrient requirements change from needing a high dosage of Nitrogen to a demand for Phosphor for example. Flores products will generate the highest yield possible because the nutritional elements are specially formulated for this phase.



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Our additives are products that are used alongside the main nutrient and can roughly be divided in two groups. One improving plant health and yield (found in the classic CANNA twin bottle) the other improving and correcting the nutrient solution (found in a white round bottle).

## CANNAZYM



CANNAZYM is an enzyme product that has been developed to break down dead plant remains. This keeps the substrate free from unwanted dead roots and the harmful micro-organisms that would otherwise develop on the roots and could make the plant sick. As well as this, the decomposition provides better aeration in the medium and nourishes the plant with the elements that are released. CANNAZYM improves the quality of the growing medium and ensures that it can be used a number of times. As well as enzymes CANNAZYM contains vitamins that stimulate root formation and an extract from desert plants that strengthens the plant's immune system.

## CANNA RHIZOTONIC



CANNA RHIZOTONIC is a vitalizing seaweed extract that also promotes root growth. It is rich in vitamins and trace elements, which among other things ensure that cuttings take root quickly and that plants that have just been re-potted easily form roots throughout the new medium. As well as this, CANNA RHIZOTONIC increases the plant's general resistance levels. A plant has lowered resistance if it is still young, has just been re-potted or cut for example. In these cases CANNA RHIZOTONIC prevents shock, stimulates root growth and reduces the chance of sickness or slow development. CANNA RHIZOTONIC can also be used as a leaf spray for fast results and this is particularly recommended if the plants have still only developed a few roots.

## CANNA PK 13/14



CANNA PK13/14 contains minerals that stimulate flowering and greatly increase the yield by giving extra food to the flowering plant cells. The plants will have large, dense fruits when they finish flowering. CANNA PK13/14 is given halfway through flowering when the flowers start to crave potassium and phosphorus. CANNA PK13/14 is then absorbed directly by the plant.

CANNA PK13/14 has a different working mechanism than CANNABOOST and so they are excellent when used in combination and yield previously unheard-of results.

QUALITY PROVES ITSELF!



## CANNABOOST

CANNABOOST is CANNA's powerful flowering stimulator, it improves quality and increases yields. CANNABOOST stimulates the development of flowers that have formed recently, as it increases the plant's photosynthesis. So the availability of nutrients is very important for achieving optimum results with CANNABOOST.

Use it along side CANNA PK 13/14 for optimum results!

## pH series



### pH grow and pH bloom

In order to lower the pH in the feeding tank there is the pH- series. There are different solutions available for the growing and blooming phases as well as an organic version..

### pH+

One doesn't have to take into account the phase that the plant has reached when raising the pH. CANNA has two different solutions, one of 5 % for small adjustments and one of 20% for larger corrections.

## Mononutrients



CANNA's Mononutrients are available when it's necessary to take action due to a shortage of nutrients. Using Mononutrients prevents and compensates for nutrient shortages and so ensures a high yield. Calcium, magnesium, iron and a mix of trace elements are available as well as the main nutritional elements like nitrogen, phosphorus and potassium. Mononutrients should be regarded as a medicine that should only be used when it's really necessary.

## AkTRivator



AkTRivator protects plants against soil diseases that often arise when the plants are still young. However, pathogenic organisms in the ground can also slow down the growth and development of older, apparently healthy plants. Due to its protective properties AkTRivator also promotes root growth so that the plant can develop undisturbed.

CANNA has more brochures that you may well find interesting. For example: CANNA Info Couriers, CANNA Info Papers, the CANNA Product Folders and Testimonials.

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