

CANNA

Issue No.1 - Summer 2007

Talk

From Holland With Love

Spotlight

CANNA TERRA

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In the spotlight: **CANNA TERRA**

Since their launch, **TERRA VEGA** and **TERRA FLORES** have become the most used nutrients worldwide for cultivating short cycle, fast growing plants in mineral soils and improved soilless mixes. **CANNA TERRA**'s composition has been adjusted to suit these type of plant needs. **TERRA VEGA** and **TERRA FLORES** contain all the nutrients a plant needs in a form that can be absorbed directly. Optimal uptake of nutrients is guaranteed from the start.

A part of the **TERRA** development process was understanding the interaction of nutrients with the medium and engineering a nutrient that takes full advantage of this process. This means you should have no worries about the quality of **CANNA** nutrients throughout the entire process of cultivation.

CANNA TERRA VEGA

The development of vigorous growth, heavy branching and good root development is characterized by healthy, fast growth. This is the base requirement for achieving top results. **TERRA VEGA** contains all the nutritional elements a plant needs during this phase. **TERRA VEGA** works universally and is suitable for use with all types of mineral soils and peat based potting mixes.

CANNA TERRA FLORES

It is always desirable that all the nutritional elements a plant needs should be directly available in the correct proportions during their critical, prolific flowering phase. **TERRA FLORES** contains all the nutritional elements that the plant needs during the flowering phase. The plant's need for nitrogen diminishes just as their need for potassium and phosphorous greatly increases during the flowering phase. In order to accommodate these changing conditions, **TERRA FLORES** has been designed with the correct ratio of all elements needed to meet a plant's requirements; thereby ensuring flowering success.

BIOCANNA BIO TERRA PLUS

BIO TERRA PLUS is the ultimate mix for the discerning grower. It is specially engineered for achieving maximum results from fast growing, high production plants. Composed of different high grades of peat, bark, and coco coir, the use of perlite is no longer necessary to obtain

an oxygen-rich, well-drained potting mix. This mix is essential in the control of root borne pathogens as well as ensuring a strong healthy plant, capable of resisting both pests and pathogens. **CANNA** selects only the best, 100% organic components for **BIO TERRA PLUS**. This means you can use it for both mineral and all natural growing, without the risk of unhealthy contaminants.

BIO TERRA PLUS is specially designed and formulated for use with **CANNA**'s, **TERRA VEGA** and **TERRA FLORES**, as well as **BIOCANNA** nutrients (see the **BIOCANNA InfoPaper** for more information on **BIOCANNA**). Start by

using **VEGA** and then switch to **FLORES** when the first signs of flowering appear after changing the length of day. When **BIO TERRA PLUS** is used with these nutrients, both new and experienced growers will achieve the optimum results possible. **BIO TERRA PLUS**, pH balanced and adjusted, provides the optimum base for achieving professional results.





GROWERS-TALK

A word from a grower

Why and how to grow on soil

Since everything has become so much more expensive over the last years I decided to start growing for myself! When I moved from my flat to a different accommodation I could make a perfect growing room in the extra bedroom.

In the beginning...

Of course it all starts with the seeds. I've found the correct method for germinating



them now. First, I lay the seeds between moist cotton wool and cover these with a saucer to keep them moist and dark. When the roots become visible after a few days, I put them into BIO TERRA PLUS and give them CANNA RHIZOTONIC for about a week to develop strong roots and increase the resistance to diseases.

And... just grow!

After a week, when the plants start growing, I first start feeding them with CANNA TERRA VEGA

three times a week. Since I am growing inside, I also have to pay attention to the illumination. During the growing phase the plants receive 18 hours of lighting.

Small plants grow up

When the first flowers appear, about two weeks after I switch to 12 hours of lighting, I switch to CANNA TERRA FLORES three times a week. After three weeks fruits become larger and start to smell wonderful. Sometimes I put a stick next to the plants when they have difficulty in remaining upright because they are so full!



Own taste

When my plants are almost ready for harvest I stop feeding them. This is how the final taste is achieved. My friends often laugh at me but I remain convinced that the taste is a lot nicer if you grow your own (with love) on soil.

With Organic Regards,
Brian.



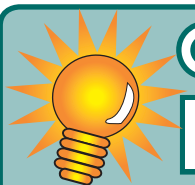
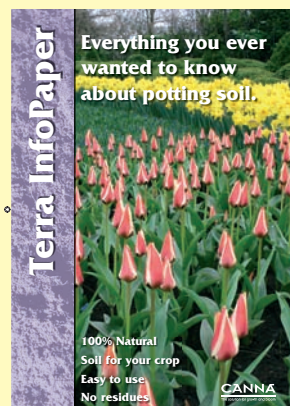
What's New?

The CANNA TERRA INFOPAPER

Along with our Aqua and Coco InfoPapers, we are pleased to inform you that the new Terra InfoPaper is now available. It contains everything you would want to know about growing

on soil or soilless peat based mediums. It also provides detailed insight on the history of growing on peat based soilless medium and provides valuable information about the different types of soil and their composition.

Available at your local Hydroponics Shop NOW.



Grower Tip #1 Irrigation

The proper time to water a plant in soilless mix, mineral soil, coco or any other organic based medium is when it has lost 50% of the water it holds. To do this, after a container is wet and allowed 15 minutes to drain, weigh the container plant and all. When it loses half of the weight it shows, water. For example, if I take a 6 inch container with a geranium in CANNA's pre-buffered CANNA COCO, or the new BIO TERRA PLUS, water it in till it drains, allow 15 minutes to complete gravity draining and it weighs 50 grams.

I will withhold water until it weighs 25 – 27 grams. You can get more accurate by weighing the components of medium and container, dry, and subtract this from the original weight then watch for a loss of 50% as well. So, if that 50 g container weighed 10 grams pot and soilless medium, I would use 40 g as my start and then water when the container dropped to around 27-30 g.

The same holds true on automatic irrigation on large crops, only you add the line '50% of the crop...' In other words, when 50% of the crop

is 50% dry then water. If I have 100 containers on the bench given the previous example, I will water when 50 of those containers drop below 50% weight loss or when they drop below 30 grams.

