

DeruNed bv

DeruNed develops and supplies natural crop protection products for professional horticulture.

Using 100% natural ingredients such as enzymes, amino acids and plant extracts, DeruNed formulates effective preparations that feed and protect your crop. These natural products are suitable for use in combination with chemical and biological crop protection products.

To develop a high quality product, DeruNed works together with several independent research centres.

DeruNed products are available from your horticultural supplier. If you have any questions after reading this information you can contact our product team.

Modicell stimulates the micro-ecology and activates the root system of your crop

What is Modicell?

Modicell is a liquid, natural enzyme preparation on the basis of fifteen different sorts of enzymes. These enzymes ensure that root residues in an artificial substrate are broken down rapidly. The rapid decomposition prevents old roots accumulating and rotting, giving disease-causing agents less chance.

In addition to enzymes, Modicell also contains vitamins that promote root growth and increase the absorption capacity of the roots.

How does Modicell work?

Stimulating the micro-ecology

It is very important that your plant is in good condition throughout the cultivation cycle. Good plant condition ensures that your crop can withstand periods of heavy plant stress. Among the factors that influence the condition of your plant are the climate, nutrition and humidity, but also the soil. In nature, the plant regulates its own optimal soil environment with the aid of a well-developed micro-ecology. The micro-organisms produce enzymes by means of which dead vegetable matter is broken down more rapidly and many nutrients are released for the plant.

Because these micro-organisms are largely or entirely absent in an artificial substrate, the required enzymes are also not produced. Modicell offers a solution.

The enzymes in Modicell are especially effective in breaking down the cellulose and hemicellulose of dead vegetable matter, such as roots. Moreover the decomposition does not consume any oxygen, which means that both the micro-organisms and the roots of a new plant can flourish where the decomposition is taking place. There is also sufficient nutrition present.

The rapid breakdown also ensures that the old roots accumulate less in the substrate (rockwool). This promotes the drainage and improves the oxygen supply. This means that the substrate can be used for considerably longer.

An incidental advantage of the rapid breakdown of plant remnants with enzymes is that there is no rotting. Rotting is harmful for the crop, because it releases toxic (poisonous) substances. Rotting also gives pathogenic organisms a greater opportunity.



Stimulating root growth

In addition to enzymes, Modicell also contains vitamins from the B-complex, which promote root growth and the growth of many new hair roots. This is important because the plant absorbs valuable nutrients such as calcium, magnesium and iron at the points where it is growing.

Using Modicell

Never use Modicell simultaneously with hydrogen peroxide products. Where hydrogen peroxide products are being used: stop the use of hydrogen peroxide for one or two days. Administer Modicell and other natural products during these days.

Modicell can be mixed with all common crop protection products. Shake well before use.

Application with Biopak

Modicell can be combined with Biopak from DeruNed. Both products strongly stimulate the production of new roots and root growth, ensuring the absorption of nutrients.



Dosage:

If possible, administer Modicell using a dosing pump. If this is not possible, you should administer a one-week dose of Modicell in one day along with the nutrients.

With a new substrate (rockwool):
1.50 litres per hectare, repeat weekly.

With a used substrate or a substrate intended to be used for more than one season:

Start: 3.00 litres per hectare
Maintenance: 1.50 litres per hectare, repeat weekly.

Increase the dosage when the plants are under high stress.

Storing Modicell

Modicell can be kept for three months after opening, providing the can is securely closed and stored in a cool, dark place.



Modicell

Effectief bij de bestrijding van insecten.