



# Modicell

## 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?

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 break-down 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.

### 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.

**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 lt. per hectare, repeat weekly.

**With a used substrate (more than one season):** Start: 3.00 lt. per hectare.

Maintenance: 1.50 lt. 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.