

# FOR RESPONSIBLE GROWTH

WE RELY ON NATURAL  
ALTERNATIVES



**GRAMOFLOR**

*Quality from the start!*

## MO·CONCEPT

*Natural vital substances for  
powerful plant growth*

**NEW**  
**MO·VITAL® 5X**



## Safety for humans and plants by microorganisms (MO)

The regular use of pesticides is known to be a risk factor for humans and plants. **MO**·CONCEPT is different!

**MO**·CONCEPT is an intelligent complex of a variety of plant-strengthening fungi and soil bacteria.

**MO**·CONCEPT guarantees a powerful, natural and stress-free growth and thus almost completely prevents the use of plant protection products in the root zone.

Healthy and residue-free plants, safe cultivation times and savings on expensive pesticides - a sustainable win-win situation.

**MO**·CONCEPT stands for the intelligent combination of **MO**·COMBI® as substrate additive, **MO**·VITAL® or **MO**·VITAL®5X for after-treatment and **Gramoflor** expert advice on site.

## 10 ADVANTAGES AT A GLANCE:

- 1 healthy start for almost all horticultural crops
- 2 better rooting
- 3 uniform, vigorous stock from the beginning to the end of the crop
- 4 reduced failure in young plant production
- 5 improved stress resistance (drought, humidity, transport etc.)
- 6 increased resistance
- 7 avoidance of plant stress generated by the degradation of chemical agents
- 8 free from residues
- 9 without chemical component
- 10 when handled properly, no stress on the environment and employees



## A STRONG TEAM

Gramoflor **MO-COMBI**<sup>®</sup> and **MO-VITAL**<sup>®</sup> as well as the new **MO-VITAL**<sup>®</sup> **5X** have been developed for universal use in all horticultural crops and in almost all European climatic conditions.

The rich blend is versatile for use in cool and humid as well as dry and warm growing conditions. As long as the plant finds conditions that allow it to grow, it is positively supported by the selected microorganisms.

### **MO-COMBI**<sup>®</sup> Product description

**MO-COMBI**<sup>®</sup> is a complex of fungi and soil bacteria selected over many years. It is a component of the Gramoflor substrate and is used for plant strengthening directly after potting.

### **MO-VITAL**<sup>®</sup> & the new **MO-VITAL**<sup>®</sup> **5X** Product description

Gramoflor **MO-VITAL**<sup>®</sup> has established itself in the after-treatment during the culture. It is also a proven product for recurrent treatment with the beneficial organisms if no **MO-COMBI**<sup>®</sup> is mixed in the substrate. **MO-VITAL**<sup>®</sup> is a complex of fungi and soil bacteria, which is additionally enriched with a high-quality organic fertilizer.

The new **MO-VITAL**<sup>®</sup> **5X** is a further development in the **MO-CONCEPT**-team, based on **MO-VITAL**<sup>®</sup>. This allows the application options in post-treatment to be adapted even more optimally to the entire crop's cycle.

Compared to **MO-VITAL**<sup>®</sup>, **MO-VITAL**<sup>®</sup> **5X** contains additional beneficial fungi and bacteria in higher concentration, but no amino acid. For details on the application, please refer to the following page.

Gramoflor **MO-CONCEPT** can be used for:

- nursery crops
- ornamental plants
- bedding and balcony plants
- fruit crops
- vegetable cultivation

Please note:

All **MO-CONCEPT** products cannot be used when growing edible mushrooms. **MO-VITAL**<sup>®</sup> is not to be used on edible parts of the plant.

## Our recommendation

For optimum starting conditions, we recommend potting the plants in advance in a Gramoflor substrate with **MO-COMBI**<sup>®</sup> pre-mixed. In the after-treatment **MO-VITAL**<sup>®</sup> or **MO-VITAL**<sup>®</sup> **5X** ensure continued healthy growth.

The highly active bacteria and fungi of **MO-VITAL**<sup>®</sup> and **MO-VITAL**<sup>®</sup> **5X** must be brought into the substrate via sufficient amounts of water. Since **MO-VITAL**<sup>®</sup> contains amino acid, a larger amount of water than for **MO-VITAL**<sup>®</sup> **5X** is necessary to avoid leaf spots.

In order to select the optimum product for after-treatment, we recommend the following instructions for a favourable time of application to be observed:

### **MO-VITAL**<sup>®</sup>:

- on warm sunny days
- rather in the bright season

### **MO-VITAL**<sup>®</sup> **5X**:

- in the dark season
- at cold temperatures
- when drying is not guaranteed

**MO-VITAL**<sup>®</sup> in  
the handy 1kg  
and 5kg bucket



**MO-VITAL**<sup>®</sup> **5X** in  
the handy 250g  
and 1kg bag



**MICROORGANISMS (MO):  
HEALTHY START FOR  
HEALTHY ROOTS AND  
HEALTHY GROWTH**

## Instructions for use **MO-VITAL**<sup>®</sup> or **MO-VITAL**<sup>®</sup> **5X**

- Dissolve the **MO-VITAL**<sup>®</sup> or **MO-VITAL**<sup>®</sup> **5X** powder in warm water (max. 30°C). Then add this solution to the total amount of water.
- The spray mixture is applied using a sprayer with a coarser nozzle. After treatment, the remedy is flushed into the substrate by pouring (water quantity as low as possible - but as high as necessary).
- Alternatively, **MO-VITAL**<sup>®</sup> or **MO-VITAL**<sup>®</sup> **5X** can be applied by watering trolley or sprinkling. Please note the dosage in the table below.
- Young plant plates are watered with larger quantities than grown plants in the final pot. For young plants, 20-100 g **MO-VITAL**<sup>®</sup> or 5-20 g **MO-VITAL**<sup>®</sup> **5X** per 100 m<sup>2</sup>.
- The mixed spray/watering remedy should be used within one day. As the ingredients may settle over time, the mixture must be stirred up.

## Dosage of **MO-VITAL**<sup>®</sup> or **MO-VITAL**<sup>®</sup> **5X** for 100 m<sup>2</sup> cultivated area

Was <b>MO-COMBI</b> <sup>®</sup> previously mixed into the substrate?	Ap-plica-tion no.	Time	<b>MO-VITAL</b> <sup>®</sup> per litre water	<b>MO-VITAL</b> <sup>®</sup> <b>5X</b> per litre water
Yes	1.	4 weeks after potting	10 g per 10 l	2 g per 10 l
	2.	2 weeks after the first application	10 g per 10 l	2 g per 10 l
	3.	2 weeks after the second application	10 g per 10 l	2 g auf 10 l
No	1.	Directly after planting/potting	100 g to 10-30 l	20 g to 10-30 l
	2.	2 weeks after the first application	50-100 g in 10-30 l	10-20 g on 10-30 l
	3.	2 weeks after the second application	50-100 g in 10-30 l	10-20 g on 10-30 l

**Gramoflor MO-CONCEPT** is compatible with many plant protection products (fungicides).

*We will be happy to provide you with a positive list on request. Further application instructions and product information can be found on the label of **MO-VITAL**<sup>®</sup> or **MO-VITAL**<sup>®</sup> **5X** as well as of course from your Gramoflor consultant.*



Further information  
at [www.gramoflor.com](http://www.gramoflor.com)

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