

### **What are DCM organic fertilizers?**

Organic fertilizers are composed of plant material and animal raw materials. All materials have a natural origin. Soil organisms – such as bacteria and fungi – are slowly breaking the fertilizer down. Nutrients inside the fertilizer (nitrogen, phosphorus and potassium for example) are released in this process. Through the use of multiple raw materials and gradual digestion, the nutrients are available to the plants over a longer period of time - about 100 days.

### **Benefits of DCM's organic fertilizers**

Chemical fertilizers are quickly soluble salts that become available to the plant roots at once. When there is an excess of these nutrients, there is a chance that the plant cannot take in everything. As a result, a large part of these nutrients is lost due to leaching and the roots of the plant might be damaged.

In the case of DCM's organic fertilizers, the release of nutritional elements is associated with the needs of the plant. In warm and moist weather – when the plant grows quickly and therefore needs more nutrients – the fertilizer digests faster and as a result the nutrients become available earlier. Almost no nutrients are lost due to leaching and there is no risk of root damage. Organic fertilizers do not only have a longer duration time, they are more friendly to the environment as well and safe for the plant too. The organic fertilizers also have a positive effect on the soil life.

### **DCM fertilizers in peony cultivation**

In peony cultivation, a number of organic fertilizers are used. A difference is made between indoor and outdoor cultivation. You will find an overview below. Another advice may be advisable, depending on the soil sample.

#### **Indoor cultivation peony**

- Mix 2 (7-6-12 + 4MgO): spreadable stock fertilizer with higher potassium for a hearty crop. On soils with a high phosphate number, it is better to replace the Mix 2 with Mix 3 in combination with Solafida;
- Micro-mix: mixable trace elements (contains iron, manganese, copper, boron, zinc and molybdenum);
- Vivisol: spreadable grain, creates a rich and varied soil life;
- Olega fer: fast-acting iron leaf nutrition.

### **Outdoor cultivation**

- Mix 5 (10-4-8 + 3MgO): spreadable stock fertilizer;
- Vivikali: slow-acting organic potassium;
- Vivifos: slow-acting organic phosphate (also available at high pH);
- Olega fer: fast-acting iron leaf nutrition.

For a customized advice, please contact your advisor.

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