



Chemical and physical properties:

Classification: „G. Lime Fertilizer “, G.1. Natural lime No. 4a: Marine limestone – standard quality

Minimum neutralization value: min. 34

Total calcium as CaO (%): min. 34

Fineness: at least 90% of particles < 15 µm

Composition: Content of risk substances does not exceed limits set forth by the EU

- **VitaYIELD** is a natural plant fertilizer comprised of calcium carbonate, obtained by grinding natural deposits of limestone of marine origin, as well as other calcite related minerals:
 - CaO: 34,0 – 43,0 %
 - MgO: 0,8 – 2,2 %
 - Fe₂O₃: 0,6 – 2,1 %
 - SiO₂: 10,0 – 26,0 %
 - K₂O: 0,4 – 1,3 %
 - Zn: 0,002 – 0,0065 %

Scope and methodology of use:

General information: VitaYIELD is a mineral bio stimulant that harnesses the power of natural ingredients to support plant processes for increased crop yield and quality. It is a pure natural product, without chemical ingredients, for growing organic quality crops for small-scale farmers and large producers alike. VitaYIELD consists of calcium carbonate, obtained by grinding natural deposits of limestone of marine origin, as well as other calcite related minerals which accelerate photosynthesis and plant growth dynamics.

Recommended dosing table:

	Winter crops	Spring cereals	Ornamental plants	Forest trees	Fruit	Vegetables
1st dose	Upon the arrival of spring	From the 4-leaf stage until the soil is covered with leaves	Before flower bud emergence	During peak spring vegetation	After flower loss	During the 4-leaf stage
2nd dose	15-20 days after 1 st application					15-25 days after 1 st application
Dosage	1,5-2kg / ha + water min 300 l / ha		1,5-2kg / ha + water min. 400 l / ha			

Crop summary:

- **Field crops** – wheat, oilseed rape, barley, soybeans, grain and silage corn, sunflower, potato, etc.
- **Fruit & vegetables**
 - **Root vegetables** – parsley, carrot, celery, onion, garlic, etc. leaf vegetable – lettuce, spinach, cabbage, cauliflower, etc.
 - **Fruit vegetables** – tomato, pepper, cucumbers, etc.
 - **Fruit trees** – apple, pear, plum, peach, apricot, etc.
 - **Small fruits** – strawberry, raspberry, currant, blackberry, etc.



Guidelines for occupational health and safety:

General information: Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to the product should be ascertained with the respective supplier. Always change contaminated clothing when done handling the substance.

Disposal considerations: The product must be disposed of in compliance with respective national regulations for disposal of fertilizers. **Packaging:** The product packaging must be disposed of in compliance with the country-specific regulations or must be passed to a packaging return system.

Substance precautions: Ground limestone is a natural substance. Its dust may irritate the skin, eyes, and mucous membranes. When handling in closed rooms (i.e., warehouses), it is imperative to put in place such technical measures so that the dust generated does not exceed 5 mg/m. Where impossible to ensure these conditions, it is necessary to protect respiratory tract and skin with personal protective equipment such as anti-dust respirator or protective gloves. Do not eat, drink, or smoke while handling the product. After work is completed, wash your hands thoroughly with water and soap.

First aid measures

General information: In case of health problems or if in doubt, inform your doctor. If the affected person is unconscious, place the individual in a stable position and never administer anything by mouth.

After inhalation: Go out in the fresh air.

After skin contact: Wash off the affected area with plenty of water and soap. Remove contaminated clothing.

After eye contact: Rinse out with plenty of slightly warm water with the eyelid held wide open and seek medical advice!

After swallowing: Make the affected person drink 0,5 l of drinking water, or lukewarm water with suspension of the activated charcoal and do not induce vomiting. Seek medical advice immediately!

Additional provisions

Handling: No further requirements, **Transport:** Not subject to transport regulations, **Storage:** the product must be stored hygienically in original sealed and closed containers in dry, well ventilated, and closed storages away from foodstuffs, drinks, feeds, pesticides, or medicines. If the product is transported in bulk (in tanks), it shall be stored in designated silos or immediately incorporated in the soil, **Storage time:** 2 years from the day of production, if conditions of storage are followed, **Packaging:** 15 kg paper bags or Big Bag packaging (á 700 kg) options available.

Further ecologic information

Since VitaYIELD plant stimulant is composed of naturally occurring minerals, no ecological problems are to be expected when the product is handled and used with due care and attention.

The information given in this document is based on the present state of our knowledge. It characterizes the product regarding the appropriate safety precautions. It does not represent a guarantee of the properties of the product.