

## About Us

We produce and export high-quality **organic fertilizers** based on science and sustainability to improve soil quality and increase yields.

## Fertilization Rates

Grain crops – 200–350 kg/ha  
Rapeseed, oilseed crops – 200–350 kg/ha  
Corn – 200–350 kg/ha  
Potatoes, root crops – 250–550 kg/ha  
Vegetables – 200–500 kg/ha  
Orchards, berry orchards – 300–700 kg/ha  
Grasslands, meadows – 200–450 kg/ha

## We Offer

- **Safe fertilization:** no risk of overfertilization.
- **Seed compatibility:** can be applied together with seeds, as the fertilizer does not reduce germination. Due to the nitrogen oxide form, the ammonia nitrogen content is only 1%.
- **Odorless:** does not attract birds and wildlife.
- **Composting effect:** the fertilizer is spread on the surface of the ground or incorporated into the soil when sowing.
- **Fast absorption:** Plocher technology accelerates the absorption of nutrients and composting.
- **Soil stability:** fertilizer does not leach out of the soil, promotes the growth of beneficial microorganisms and improves soil structure.



Cignera

Innovative Organic Fertilizer  
Solutions Since 2018

[www.cignera.it](http://www.cignera.it)

## Compatibility

Combining organic fertilizers with mineral fertilizers ensures abundant yields and rapid nutrient supply to plants, while maintaining soil structure and microflora. This combination **promotes higher yields, ensuring a long-term supply of nutrients** and optimal growing conditions.

## Tests

We tested a special organic fertilizer mixed with two “probiotics” for the soil (Bio1 and Bio2).

### What helps crops grow better:

- Makes leaves greener (+19% chlorophyll)
- Taller plants (+20% height)
- Healthier roots

### Sustainable soil structure:

- Sustains good microbes (up to 1 billion per gram!)
- Breaks down faster than conventional fertilizers (up to 78%)
- Reduces pollution (less ammonia smell)

## Balanced Composition

- Organic di-calcium phosphate of animal origin – increases the amount of phosphorus and calcium in the soil.
- Meat and bone meal (MBM) – contributes to increasing the amount of nitrogen and phosphorus.
- Potassium sulfate – provides additional potassium.
- Probiotics “Plocher” – accelerates the absorption of nutrients and reduces unpleasant odor.

## Scientific Edge

Improves root growth, leaf size and stress resistance.

Reduces environmental pollution compared to synthetic fertilizers.

### Supported by Vytautas Magnus University Research

“Farmers using Cignera organic fertilizers restore soil structure and see **1.2x** higher income.”

— Dr. Romutė Mikučionienė, agricultural scientist

**Key fact: "Our fertilizers increase yields by 10–20% while restoring the natural condition of your soil."**

## Contacts

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