

Organic
Growing



MONTERRA[®] Guard

High-Performance Plant-Based Soil Improver
for Soil Structure and Crop Resilience





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MONTERRA® Guard is a plant-based organic soil improver formulated to strengthen soil structure and support long-term soil vitality. Its stable organic matter enhances soil aggregation, moisture retention, and microbial activity, creating a healthier root-zone environment. By improving overall soil functioning, **MONTERRA Guard** increases the resilience of crops and soils to drought, temperature fluctuations, and challenging growing conditions.

Product Description

- Organic soil improver;
NPK 3-1-3 + 0.6 MgO + 0.8 CaO (PFC 3)
- Product is made of 100% vegetal raw materials
- 100% natural, no chemical or other additives
- High percentage of stable organic matter
- Free from pathogens and weed seeds
- Low in chlorine
- Certified for use in organic farming
(EU 2021/1165 and EU 2018/848)



Product Characteristics

	% on total product
Dry matter	90
Organic matter (loss on ignition at 550°C)	70
C/N ratio	14
Nitrogen (N) total	3
Nitrogen (N) organic	2.8
Phosphate (P ₂ O ₅) total	1
Potassium (K ₂ O) total	3
Magnesium (MgO) total	0.6
Calcium (CaO) total	0.8
Product appearance	Pellets (4-5 mm)/ Crumb (1-4 mm)

Key Benefits

- Contains around 70% organic matter with a C/N ratio of 14
- Improves soil structure and enhances organic matter stability
- Increases water-holding capacity, maintaining moisture availability in dry conditions
- Stimulates microbial activity to improve nutrient availability and soil vitality
- Boosts root development for more efficient water and nutrient uptake
- Enhances soil resilience to drought and temperature fluctuations





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Dosage Recommendations

Crop	kg/ha
Open field vegetables	1.000 - 3.000
Greenhouse vegetables	2.000 - 3.000
Broadacre crops	2.000 - 3.000
Grains and rice	1.400 - 4.100
Fruit trees & orchards	1.500 - 3.000
Vineyard	1.000 - 2.000
Ornamentals & floriculture	1.500 - 3.000
Tree nurseries & perennials	1.500 - 2.000
Lawn and sports turf	1.500 - 2.000

Dosage recommendations are based on average crop needs. The exact amount depends on the crop, climate, and soil conditions. For tailor-made advice, please contact MeMon or the local consultant.

General Application Advice

- Apply 7-10 days prior to sowing or planting and mix with the top layer of the soil
- In planted areas, apply as a top or row fertilization at 15-20 cm from the roots
- Apply before rain or use irrigation after application: split applications if needed, depending on crop type and soil condition
- Apply post-harvest to maintain soil condition for the next crop cycle

Storage Conditions

- Store in a dark, cool but frost-free and dry place
- Keep away from water and moisture
- Do not store together with food products
- Minimum shelf life of three years after production; longer if stored correctly

Safety & Environmental Information

- Not intended for ingestion. Wash hands after use. Don't breathe in dust
- In case of an accident or if you feel unwell, seek medical advice
- Keep away from children and pets

MeMon B.V.

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Supported by our local distributors and experienced technical teams, we provide:

- Region-specific agronomic advice
- Technical product support
- Field trials addressing local challenges
- Guidance on application and storage



