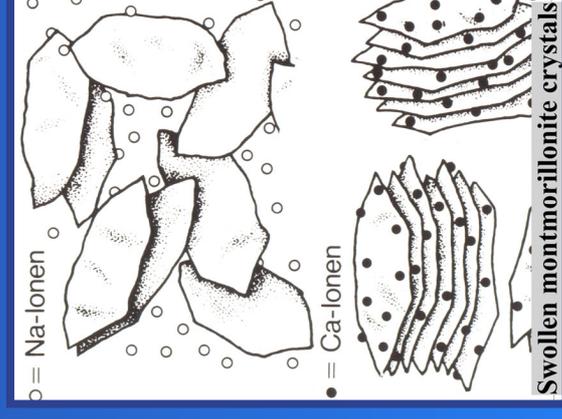


EDASIL®

- EDASIL® is a natural calcium-bentonite
- EDASIL® is a soil adjuvant for gardening and agriculture
- EDASIL® is a natural clay mineral product, without chemical additives

What is behind?

- The main ingredient of bentonite is montmorillonite (=triple-layer clay mineral).
- Montmorillonite has a very high specific surface area (600 - 800 m²/gram)
- Montmorillonite stores water and nutrient on its surface
 - Particularly in sandy soil bentonite/montmorillonite increases the soil's ability to retain water and deliver it to the plant over a long period of time.
 - Due to their negative surface charge, these clay minerals can bind nutrient ions such as potassium, ammonia, calcium and magnesium. Consequently, nutrients are protected against being washed out, but are still available to plants.



Characteristics of EDASIL®

- **High water storage capability**
Improves the soil's water balance and protects the plant from premature desiccation.
- **High nutrient storage capability.**
Improves fertilizers' effect and reduces the need for fertilizer because of its repository function.
- **Lasting enhancement of soil health through the production of clay-humus complexes.**
- **Supports the development of micro organisms in the soil (compost aid).**

Area of Use

- To improve soil structure in light and heavy soils
- To improve water and nutrient storage, especially in light, sandy soil and/or with strong solar radiation and high evaporation rates.
- As additive for composting to prevent soil decay and bad smells
- As binding agent for hydro-seeding on slopes
- As a piling aid for seed treatment
- As additive for organic and mineral fertilizers

Application Rates

Application	Amount (kg/m ²)	Note
Light to heavy soil	approx. 1- 2	Depending on type of soil and climate; work in about 5 cm deep
Sport facilities, greens	approx. 2 - 4	Depending on type of soil and climate; work in about 5-10 cm deep
Polluted soils	approx. 2 - 3	Work in about 30 - 35 cm deep
Mixed with substrate	approx. 10 - 25	Amount depends on substrate characteristic
Composting	approx. 15 - 20	Evenly mix granules in

Grain Sizes

- EDASIL® powder: c. 60% < 63 µm
- EDASIL® fine granules: 0,5- 2,0 mm
- EDASIL® granules: 2,0-5,0 mm