



ZEOLIT
Natural clinoptilolite

LAWNS • BEDS AND BORDERS • VEGETABLES • POTS AND CONTAINERS

Your soil forgets. This remembers.

A natural volcanic mineral that holds water and nutrients in the root zone — and does not break down, wash out or need replacing.



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Garden and landscaping

A lawn on sandy soil is a bucket with a hole in it. Water goes through. Fertiliser goes through. Three days after rain the grass is stressed again, and most of what you fed it is below the roots.

Clinoptilolite is full of microscopic pores that hold water, and its electrical charge holds nutrients – particularly ammonium, the form of nitrogen grass actually takes up. Cornell University measured it: added to sand, it **doubled the plant-available water** and lifted the soil's nutrient-holding capacity from

almost nothing to 13 cmol/kg, without slowing drainage.

A four-year study in Poland, published in 2025, tested it on ryegrass and red fescue lawns. Better germination. More root mass. Better ground cover. **Better winter survival.** And measurably fewer broadleaf weeds.

Compost feeds the soil and disappears within a season. This is a mineral: it does not decompose, does not wash out and does not need replacing. Work it in once and every later application adds to the last.

What has actually been measured

- ✓ Plant-available water in sand doubled, 6.37% → 12.60%
Petrovic 1993, Cornell
- ✓ Nutrient-holding capacity from almost nothing to 13 cmol/kg
Petrovic 1993
- ✓ Better germination, root mass, ground cover, winter survival and fewer broadleaf weeds over four years
Lipińska 2025, Poland
- ✓ Buffers salinity stress on light and coastal ground
measured in maize trials

Specification

CLINOPTILOLITE CONTENT

93–100% (XRD)

BULK DENSITY

650–850 kg/m³

SPECIFIC SURFACE AREA

40 m²/g

HARDNESS (MOHS)

2–3

NA₂O

0.3–1.3%

CATION EXCHANGE CAPACITY

108–146 meq/100 g

PH

7.0–8.0

PORE DIAMETER

0.43 nm

LOSS ON IGNITION

6.4–15.8%

QUARTZ

0–2%

How to use it

- **Lawn:** 5–10 kg per 100 m² after scarifying or aerating, brushed in. Repeat each spring and autumn.
- **Beds, borders and vegetables:** 20–40 kg per 100 m², forked into the top 15 cm, once.
- **Pots and containers:** 5–10% by volume, mixed through the whole medium.
- Ivory white, odourless, pH 7.0–8.0. Safe around children and pets — it is the same mineral grade used in drinking-water filters and animal bedding.



What it will not do

It is **not a fertiliser** — it holds nutrients, it does not supply them. It holds ammonium, not nitrate and not phosphate, whatever some suppliers claim. And on a heavy clay soil that already has plenty of cation exchange capacity it will do very little. This is a product for **sand, light soils, containers and new-build gardens**, and we would rather tell you that than sell you a bag you do not need.

If you have never used it, start with the 3 kg carton and one bed. It is cheap, it is reversible, and you will see the difference in watering frequency before you see it anywhere else.

Products and pack sizes

PRODUCT	GRADE	PACK
GDN-LAWN-10	0,5-2,0 mm	10 kg bag
GDN-LAWN-25	0,5-2,0 mm	25 kg sack
GDN-SOIL-20	1-4 mm	20 kg bag
GDN-VEG-10	1-4 mm	10 kg bag
GDN-POT-5L	1-3 mm	5 L bag
GDN-POT-20L	1-3 mm	20 L bag
GDN-START-3	1-3 mm	3 kg carton
GDN-PRO-BB	1-3 mm	1.000 kg big bag

Request products

Tell us the application and the volume. We answer with a written quotation.

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