

# GROLITE

**EXPANDED PERLITE  
FOR  
HORTICULTURAL  
&  
HYDROPONIC  
USE**



**GROLITE is a unique, naturally occurring processed mineral used extensively as a horticultural growing medium.**

**Key Benefits:**

- Increases fertilizer efficiency, which improves plant health and growth.
- Promotes water drainage whilst still retaining optimal moisture conditions in the root zone.
- Maintains optimal soil aeration.
- Free of weeds and pathogenic microbes (sterile).
- Compared to other ordinary horticultural Perlites, Grolite has a much stronger surface structure. This prevents damaging degradation and attrition during mixing and transport.
- Available in various grades to suit all growing requirements.



● **Optimal moisture levels and increased fertilizer efficiency.**

Tiny micropores located on the surface of every Grolite particle help capture nutrients and water molecules. Plants grown in Grolite therefore have an advantage since water and nutrients are readily available when needed, ultimately leading to healthier plants and increased crop yields.

The capillary action that takes place in voids between Grolite particles, ensures uniform distribution of both water and nutrients. Consistency between crops is thereby improved.

● **Free of weeds and Pathogenic microbes.**

Grolite is processed in a specially designed furnace at temperatures in excess of 950°C. Such temperatures render Grolite completely sterile. No weeds and no pathogenic microbes.

● **Increases root zone aeration.**

The unique physical structure of Grolite greatly improves root zone aeration. Insufficient oxygen levels, usually caused by over watering or poor soil are easily solved using sufficient quantities of Grolite.

● **Grolite is attrition resistant.**

Unlike ordinary horticultural Perlites, the strong surface structure of Grolite means it will not deteriorate whilst being transported or mixed. This unique property allows hydroponic growers to reuse Grolite for more than one growing season. This saves both time and cost.



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# GROLITE

**PERLIET VIR  
TUINBOU  
&  
GRONDLOSE  
KWEKING VAN  
PLANTE**



**GROLITE is a unieke, verwerkte mineraal wat natuurlik voorkom en wat op groot skaal as 'n groei medium gebruik word.**

**Belangrikste Voordele:**

- Verbeter die doeltreffendheid van kunsmis, wat uiteindelik die plant se gesondheid en groei bevorder.
- Verhoog dreinerings van water terwyl optimale voggehalte in die wortelsone behou word.
- Handhaaf optimale grond belugting.
- Vry van onkruid en patogenemikrobes (steriel).
- In vergelyking met ander gewone Perliet, het Grolite 'n baie sterker oppervlak struktuur. Dit voorkom die afbrekende afslyting tydens vermenging en vervoer van Grolite.
- Beskikbaar in verskillende groottes vir alle groei vereistes.



● **Optimale vogvlakke en verhoogde kunsmis doeltreffendheid.**

Klein mikroporiëe op die oppervlak van elke Grolite deeltjie, help om voedingstowwe en water molekules vas te vang.

Plante wat in Grolite gegroei word het daarom die voordeel dat water en voedingstowwe gereedlik beskikbaar is wanneer die plant dit benodig en dus lei tot gesonder plante en groter oeste.

Die kapilêre aksie wat tussen die ruimtes van die Grolite deeltjies plaasvind verseker die egalige verspreiding van beide water en voedingstowwe. Gereeldheid tussen oeste word so bevorder.

● **Vry van onkruid en Patogenemikrobes**

Grolite word verwerk in 'n spesiaal ontwerpte oond by temperature meer as 950°C, wat verseker dat Grolite heeltemal steriel is en onkruid- en patogenemikrobes vry is.

● **Verhoogde wortelsone belugting.**

Die belugting van die wortelsone word grootliks verbeter deur die unieke fisiese struktuur van Grolite. Onvoldoende suurstofvlakke, veroorsaak deur te veel water of arm grond kan maklik deur die gebruik van voldoende hoeveelhede Grolite opgelos word.

● **Grolite is afslytingsbestand.**

In teenstelling met gewone tuinboukundige Perliete is Grolite se oppervlak struktuur veel sterker. Dit verhoed die afbreek of vernietiging van die struktuur gedurende vervoering en vermenging van die produk. Die unieke eienskap laat hidroponiese groeiers toe om Grolite te hergebruik vir meer as een groei seisoen. Dit bespaar beide tyd en koste.



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 **Eco-friendly**