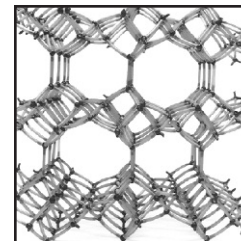




ZeoPro™

Soil Amendment

- Is a zeolite (clinoptilolite), a natural occurring mineral with microscopic pores, impregnated with a nutrient package developed cooperatively with NASA. Researchers have reported benefits in water use efficiency, environmental leachate reductions and plant fertility.
- Produced under patents and exclusive license from NASA (U.S. Patent 5,433,766 slow release fertilizer - synthetic apatite and U.S. Patent 5,451,242 active synthetic soil containing a combination of nutrient ion exchanged zeolite plus synthetic apatite) and utilized for their root zone mixes. After years of research, NASA found that its' high cation exchange capacity (CEC), high porosity, favorable moisture retention, and rigid structure make it a superior plant growth medium.



- Has been studied for more than 10 years and has been found (USGA, Colorado State University, Cornell, Rutgers, etc.) to establish greens twice as fast as compared to any other treatment (Golf Course Management – February 1999) in fact, the lead researcher at Cornell stated he had not observed so rapid an establishment rate in any other experiment (*Petrovic, A.M. 1998 interim report on ZeoPro research. Department of Floriculture and Ornamental Horticulture, Cornell University, Ithica, New York.*)
- Has a bulk density of 50 lb/cu ft and a high CEC (100 meq/100 grams) with only 10% to 15% by volume needed in the root zone mix to increase your nutrient reservoir substantially and better facilitate plant utilization in the root zone.
- Stimulates the quick establishment of greens so when the turn around time of a greens seeding or renovation is critical, the use of ZeoPro' can make the difference between opening on time or early vs. a delay in play and operating revenue.
- Is off-white in color and is already charged with a synthetic apatite of essential nutrients making this an ideal product for grow-in and turf establishment. Numerous conclusive studies have been published over the years that validate this claim. The unique inter-action between the ZeoPro™ and plant roots facilitates an increase in actual nutrient availability as the plant needs them.
- Has outperformed calcined clay materials in research trials maintaining a higher establishment and quality rating throughout the establishment and grow-in period (*Honig, J.A., J.A. Murphy and S.L. Murphy . 1998. Establishment of creeping bentgrass as affected by root zone mixtures and microenvironment. P 142 In: Agronomy abstracts. American Society of Agronomy, Madison Wisconsin. – Murphy, J., S. Murphy, J. Honig , H. Motto, B. Clarke, R. Tate and E. Gaulin. 1998. Assessing root zone mixes for putting greens over time under two environmental conditions. Progress report to the USGA. Rutgers University, Cook College, New Brunswick, New Jersey.*)



Why use ZeoPro™?

ZeoPro™ is a soil amendment that, when added to a root zone improves plant performance. It is a zeoionic material developed by NASA as a growth media already charged with essential nutrients for long term space travel. It can be added to any growth medium to amend the root zone and improve its performance as a growth medium.

GUARANTEED ANALYSIS

Soil Amending Ingredients

Zeolite (Clinoptilolite) Ore	90.0%
Total Other Ingredients	10.0%

For MSDS information and spreader settings visit www.griggbros.com

SUGGESTED APPLICATION RATES:

Apply ZeoPro™ to any root zone or growth medium. Generally apply 10% by volume to the top 4"-6" of the root zone. Mix the ZeoPro™ into the other material to create as much blending as practicable. When applying to existing turf as a topdressing best results will be obtained if the material is worked into the root zone via aeration, drill and fill, DryJect or other method

GreenSpec™ Soil Amendments

