

1-2-3 Hydro-Seed

1-2-3 Hydro-Seed™ is a specially formulated mixture of more than 20 turf specific plant growth promoting Rhizobacteria, Endo and Ecto Mycorrhizal Fungi which colonize soil, seed and roots to improve soil porosity and structure as well as releasing growth promoting auxins, cytokinins, gibberellins to improve nutrient cycling and water absorption.

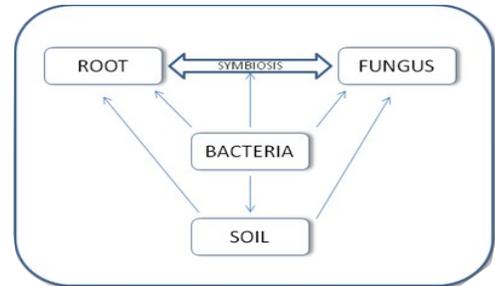
- **Reduced fertilizer inputs compared to conventional programs**
- **Increase populations of beneficial soil bacteria and symbiotic fungi**
- **Increase germination rates and establishment of turf**
- **Improve drought and disease resistance long term**

Nitrogen, an element essential to plant nutrition

It is absorbed by the roots as nitrate and ammonium derived from soil organic matter through decomposition by bacteria/fungi. Free ranging nitrogen fixer bacteria in our **1-2-3 Hydro-Seed** can provide up to 25% of the nitrogen needs for the plant.

Phosphorous and micronutrients

Mycorrhizae and many bacteria are excellent miners of phosphorous and micronutrients that may be tied up in the soil.



Improved soil structure

Microorganisms produce sticky materials that bind tiny clay particles into larger aggregates that do not break down easily when wet and resist compaction. The small pore spaces within the aggregate hold moisture, while the larger spaces between aggregates improve aeration and water infiltration and drainage.

Excellent for those difficult or high profile sites where you can't afford to fail!

1-2-3 Hydro-Seed Biological Profile

Bacteria: Bacillus subtilis, B. pumilis, B. thuriengensis, (2) strains of B. kurstaki, (2) strains of B. israelensis, B. licheniformis, B. polymyza, B. megaterium, B. azotofomans, B. azotofixans, B. laterosporus,

Fungi, Mycorrhizae: Glomus aggregatum, G. clarum, G. deserticola, G. intraradices, G. monosporus, G. mosseae, Gigaspora margarita, Paraglomus brasilianum, G. fasciculatum, G. dussii,

Fungi: Trichoderma harzianum, T. viride, Gliocladium virens, T. koningii, T. polysporum,

Fungi, Ecto Mycorrhizae: Pisolithus tinctorius, Rhizopogon,

1-2-3 Hydro-Seed Application Rates

- 1 gal treat 4 acres or mix 8oz. into tank for every 10,000 sq. ft.
- Use the included dechlorinator when using municipal water

1-2-3 Hydroseed is available from:



Call us: 888.998.9669 Online: www.naturalorganicwarehouse.com