

SEED ENHANCEMENTS FROM DLF





DLF seed enhancement is the process of encapsulating individual seeds with a combination of dry and wet components, improving a seedling's ability to thrive in an otherwise harsh environment. Coating helps transform seed into well-established plants by providing an ideal micro-environment; facilitating germination.

Calcium carbonate is used as a base material because of its ability to hold moisture, act as a pH buffer and improve seed-to-soil contact. After germination is initiated, the seedling continues to benefit from the nutrients and organic components that remain in the root zone.

Seed enhancement adds value and helps alleviate inconsistent availability in the world market!

Benefits of Seed Enhancement:

- Improves seedling vigor during the germination process
- Improved reach when seeding:
 - » Better throwing distance through a spreader
 - » Heavier seed helps prevent wind drift
- Increased seed-to-soil contact
- Uniformly holds moisture
- Acts as a pH buffer
- Greater uniformity in mixes

Offerings	Analysis / Active Ingredient*	Benefits	Results
	<ul style="list-style-type: none"> • Biodegradable starch based super absorbent • Slow release targeted nitrogen • Beneficial microbes package 	<ul style="list-style-type: none"> • Increased seed to soil contact • Expanded moisture management • Stronger early root development • Extended long term nutrition 	<ul style="list-style-type: none"> • Better coverage and more growth than non-enhanced seed! • More seedlings converting to mature plants • Greener, more lush, healthier established stands • Made from beneficial and biodegradable ingredients that support seedling and soil health
	Nitrogen (N) 0.015% Phosphate (P ² O ⁵) 0.09% Manganese (Mn) 0.01% Zinc (Zn) 0.075%	Early uptake for: <ul style="list-style-type: none"> • Enhanced early plant growth • Longer, more vigorous roots • Larger seedlings 	<ul style="list-style-type: none"> • Up to 15% greater yield • Better performance under stress • Early germination
	Starch based super-absorbent Potassium Acrylate Co-polymer coated limestone	Up to 40% more moisture retention	<ul style="list-style-type: none"> • Enhances germination and seedling development • Maintains available moisture between waterings
	Iron (Fe) 3.0% Manganese (Mn) 0.5% Zinc (Zn) 3.1% Low-Analysis Fertilizer	Water absorption with slow release plus micro-nutrients for targeted seed nutrition	<ul style="list-style-type: none"> • Germination with less inputs • Key for early plant/root development, seedling health and enhanced early growth.