



TerraTrove®
AmplAphex®

AMPLIFY YOUR CROPS PERFORMANCE



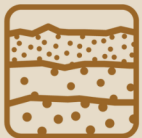
Description

Powered by RegenAphex and a new Manufacturing Process, AmplAphex gives growers the same great benefits of SP-1 Classic with the advantage of a convenient Low Use-Rate and Enhanced Microbial Performance to improve Biological Consistency and Amplify Crop Performance. AmplAphex **boosts early season vigor** to establish more **uniform crop emergence** by **improving soil structure, optimizing nutrient** and **water use efficiency** while also **mitigating stress** caused by various environmental conditions.

Benefits



BOOSTS VIGOR & STAND UNIFORMITY



LESS SOIL COMPACTION



ENHANCES WATER & NUTRIENT USE EFFICIENCY



IMPROVES PLANT DROUGHT & STRESS RESILIENCY

* Pending OMRI Listing

Features

- Lower use rate, easy-to-use liquid formulation seamlessly integrates into broad acre application practices, including broadcast, in-furrow, drip and fertigation
- Increases microbial populations which break down organic matter, captures nitrogen, solubilizes phosphorus, & cycles nutrients - ultimately making nutrients more available to the plant
- Creates an environment for efficient water use and lessens stress tolerance
- Contains algae as a food source for the microbes until roots develop
- Produced in the USA
 -Princeton, IL Production

RegenAphex™
 TECHNOLOGY PLATFORM



RegenAphex Biofertilizer Performance

RegenAphex BioFertilizers have been proven across years of field trials, and have consistently lessened soil compaction, improved root development, water use efficiency and nutrient uptake, enabling uniform crop establishment while minimizing stress & maximizing yield potential.

UNIFORM STAND ESTABLISHMENT

RBB: 33,215 PLANTS/A

STARTER: 32,289 PLANTS/A



- Greener/Healthier Plants
- Improved Emergence & Vigor
- Uniform Crop Establishment
- More Yield

- Fewer Plants
- Uneven Emergence
- Less Yield

EMERGENCE

■ 1ST DAY

□ 2ND DAY

■ 3RD DAY

- > 900 MORE PLANTS/A
- 4.6 BU/A INCREASE

LESSENES SOIL COMPACTION

CONTROL

REGENAPHEX BIOFERTILIZER



- Hard/Compact Soil
- Non-Porous Soil
- Poor Emergence
- Poor Root Growth

- Tilthy Soil
- Porous Soil
- More Uniform Emergence
- Excellent Root Development

The Breakdown

RegenAphex™

TECHNOLOGY PLATFORM

Plant Based Humus Extract that Creates an Ecosystem for Water, Nutrients and Microbes, building a symbiotic environment that is conducive to the exchange of essential nutrients, ultimately attaching them to the roots.

BENEFICIAL BACTERIA

PGPR's - Free-living bacteria that colonize the Rhizosphere, breaking down organic matter, fixing Nitrogen, solubilizing phosphorus and cycling nutrients to become more available for the plant.

ALGAE

Green Manure which quickly breaks down and releases Nitrogen into soil becoming a Food Source for the Microbes & as well as the Plant

PLANT EXTRACT

Diverse blend which impact microbial diversity and stabilize overall formulation.



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IMPROVES STRESS TOLERANCE



- Drought prone soils have issues with H₂O infiltration & H₂O Holding capacity
- AmplAphex improves soil structure & creates an environment for superior H₂O infiltration, holding capacity & movement within the soil.
- Tilthy soils allow for greater root development enabling increased H₂O & nutrient uptake.

DATA SUPPORTS 3 TARGET SEGMENTS

ADDITIVE TO 10-34-0

