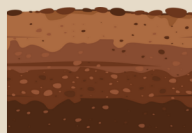


Description

Built on the RegenAphex technology platform, AmplAphex gives growers all the same benefits as our legacy SP-1 Classic product with the advantage of having a low use rate and increasing the amount of readily available carbon. AmplAphex is a complete BioFertilizer that maximizes yield potential and increases 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



**IMPROVES SOIL
STRUCTURE**



**IMPROVES
VIGOR & STAND
UNIFORMITY**



**ENHANCES
WATER &
NUTRIENT USE
EFFICIENCY**



**IMPROVES PLANT
DROUGHT &
STRESS
RESILIENCY**

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 Based Biofertilizer Performance

RegenAphex Based BioFertilizers (RBB) 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



EMERGENCE

- 1ST DAY
- 2ND DAY
- 3RD DAY
- > 900 MORE PLANTS/A
- 4.6 BU/A INCREASE

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

- Fewer Plants
- Uneven Emergence
- Less Yield

LESSENEES SOIL COMPACTION

CONTROL

RBB



- 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

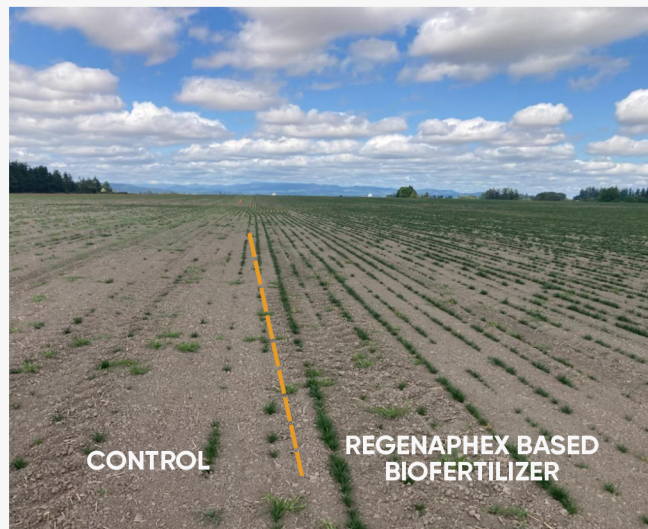
PLANT EXTRACT

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.

FOUR TARGET SEGMENTS

ADDITIVE TO 10-34-0

High Yield

80% Win Rate
Avg. 6.4 Bu/A

REPLACEMENT

2G Starter

≥ Straight 10-34-0

FOLIAR APPLICATIONS

Lessen Abiotic Stress

77% Win Rate
Avg. 5.6 Bu/A

ADDITIVE

Tilled Soils

76% Win Rate
Increase over No-Till