

**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.**

## Benefits



**LESSENS SOIL  
 COMPACTION**



**BOOSTS VIGOR &  
 STAND UNIFORMITY**



**ENHANCES WATER  
 & NUTRIENT USE  
 EFFICIENCY**

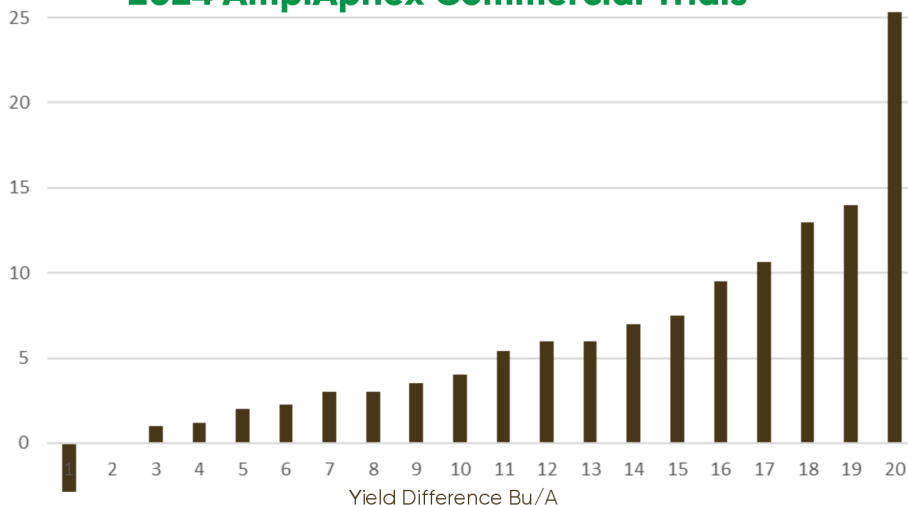


**IMPROVES PLANT  
 DROUGHT & STRESS  
 RESILIENCE**

## Features

- Easy-to-use tank-mix friendly liquid formulations seamlessly integrate into broad acre application practices
- Delivers high concentration of microbials, food sources and readily available organic carbon which work together to break down organic matter and release nutrients for uptake.
- Creates an environment for efficient water & nutrient use efficiency

### 2024 AmplAphex Commercial Trials

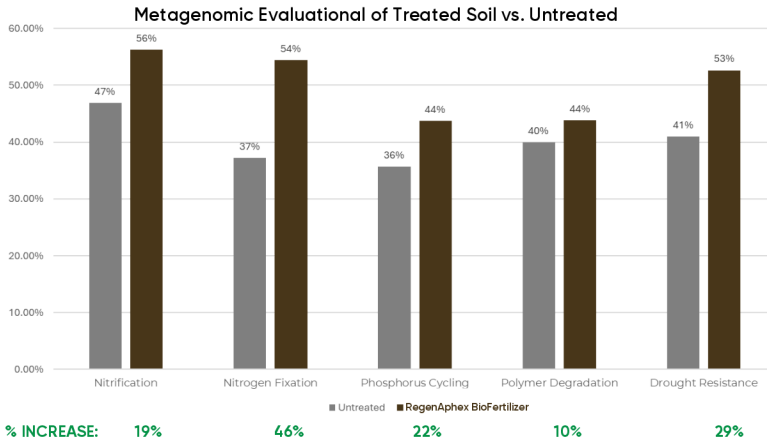


- SP-1 has been proven across years of field trials and commercial success and has consistently improved Soil & Crop Performance resulting in improved Yields and ROI.
- AmplAphex performance in 2024 exceeded historical SP-1 performance
- (6 BU/Acre vs 3.8 BU/Acre; Win rate 90% vs 70%).
- Composition of both formulations is the same. Difference in manufacturing process results in higher concentration of RegenAphex.

# AmplAphex MOA & Phenotyping Studies

- DPH BIO has invested significantly in both field and lab trials to not only demonstrate the performance of RegenAphex Biofertilizers but to scientifically be able to explain the how and why.
- The MOA & Phenotyping evaluations validate SP-1 & AmplAphex field performance and demonstrate a statistical advantage in several key measurements, providing a solid foundation of scientifically validated information that illustrates product performance in relation to key functions within the plant as well as the soil and how they interact together to Amplify Crop Performance!

## SOIL APPLIED MOA - NUTRIENT USE EFFICIENCY



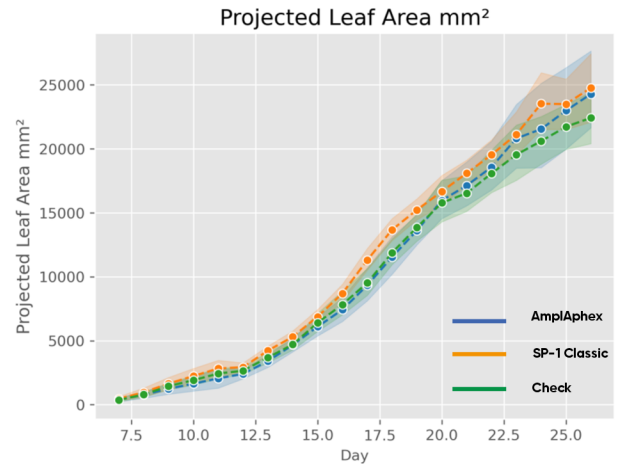
**Primary Benefit:**  
Nutrient Use Efficiency

**Secondary Benefit:**  
Stress Tolerance

### Soil Applied Key Message - Rhizophagy in Action:

RegenAphex BioFertilizers increase the microbial community associated with plant roots for several important nutrient cycling characteristics making more nutrients available for uptake.

## PHENOTYPING - LEAF AREA

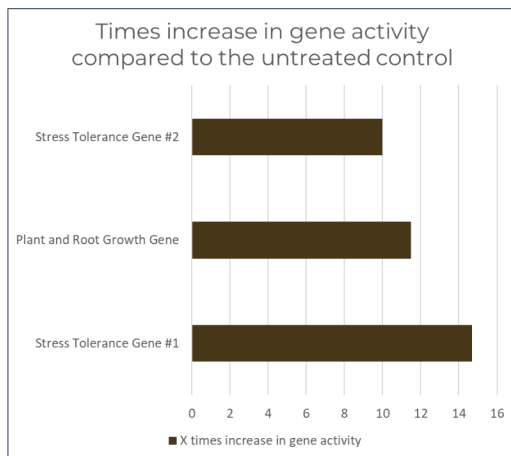


**Primary Benefit:**  
Improved Photosynthesis

### Leaf Area - Key Message

RegenAphex BioFertilizers produce more leaf area which equates to more sunlight and the transport of more water and nutrients to enhance photosynthesis, producing more plant energy.

## FOLIAR MOA - STRESS TOLERANCE



**Stress Tolerance - Salinity Gene**  
OsGH3.2

**Plant and Root Growth Gene**  
5NG4

**Stress Tolerance - Temp. Gene**  
Isocitrate lyase

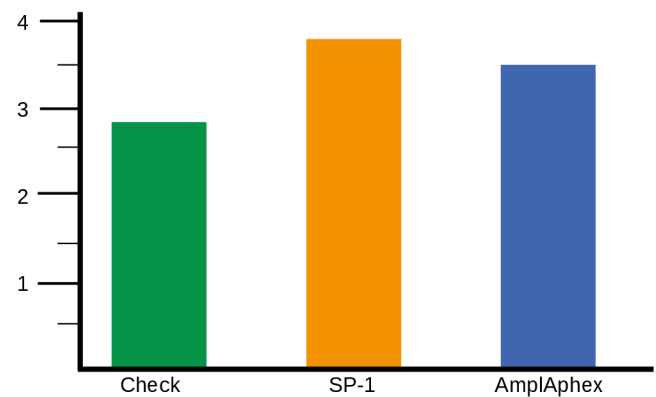
**Primary Benefit:**  
Stress Tolerance

**Secondary Benefit:**  
Plant & Root Growth

### Foliar Applied Key Message - Stress Tolerance & Growth

RegenAphex BioFertilizers upregulate 3 Genes targeting stress tolerance and plant and root growth.

## PHENOTYPING - PLANT BIOMASS



**Primary Benefit:**  
Improved Nutrient Exchange

### Leaf Area - Key Message

RegenAphex BioFertilizer produce more Plant Biomass which can result in increased yield by impacting nutrient exchange & photosynthetic efficiency resulting in more productive plants.