

# BIOSTIMULANTS: SUSTAINABILITY IN ACTION

## AIR

### SAME CROP, LESS CARBON

- Greater yield, same amount of fertilizer
- More applied nitrogen utilized by crop
- Less CO<sub>2</sub> emitted per acre

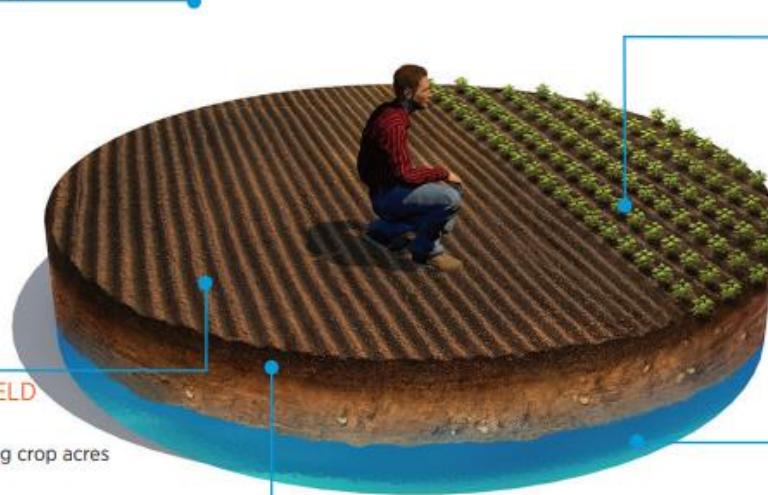
**312**  
CARS' WORTH OF  
**CO<sub>2</sub>**  
REDUCTION<sup>1</sup>

## LAND

### BETTER YIELD PER FIELD

- Improve productivity and health of existing crop acres
- Regenerate degraded soil
- Reduce need for deforestation

**75%**  
OF SOIL  
UNFARMABLE  
BY 2050  
WITHOUT CHANGE\*



## FOOD

### PREMIUM PRODUCE

- Decrease food loss per acre
- Greater quality yield
- Increase grower profitability

**13%**  
MORE PREMIUM  
QUALITY PRODUCE<sup>3</sup>



## WATER

### MORE CROP PER DROP

- Increase crops' drought tolerance
- Maintain yield using less water
- Fewer nutrients washed into waterways

**405 GALLONS**  
OF WATER SAVED PER CORN BUSHEL<sup>2</sup>

## SOIL

### UNMATCHED MICROBIAL DIVERSITY

- Enrich soil's anaerobic and aerobic microbiome
- Enhance nutrient availability and uptake
- Degrade crop residue supporting conservation tillage

**20+** MICROBIAL STRAINS

#### References:

1. CO<sub>2</sub> emissions reduction equivalent per 250 acres of corn treated with Agrinos products.

U.S. Field Trials Results - Corn Carbon Equivalent Savings

2015 California Corn Trials. Calculated with the Cool Farm Tool. Data on file.

2. Reduction of water required to produce each bushel of corn when Agrinos High Yield Technology was applied. U.S. Field Trials Results.

2015 & 2016 California Corn Trials, Water Stress Study. Data on file.

3. Yield increase in premium quality produce using Agrinos products.

U.S. Field Trial Results - Agrinos increases sweet onion grade yields in Georgia 2016 cv "Sweet Agent". Data on file.

4. Percent of worldwide agricultural soil degraded to the point of not productive, farmable by 2050 without a change in practices. The State of the World's Land and Water Resources for Food and Agriculture, Food & Agriculture Organization of the United Nations 2011.