



## IMPROVE SOIL AND CROP PERFORMANCE

- Even germination and emergence
- Improve crop vigor via key micro-nutrients
- Increase soil nutrient availability and uptake
- Reduce impacts from abiotic stress



## MANAGE COLD AND WET SOIL CHALLENGES

- Ensure cold soil nutrient availability
  - Mitigate cold shock
- Reduce impacts of waterlogged soils



## ENHANCE PLANTER PERFORMANCE

- Support proper seed singulation
- Reduce skips and doubles at planting

## GZA TECHNOLOGY BENEFITS

### Plant Health Benefits:

Nutrient and abiotic stress management

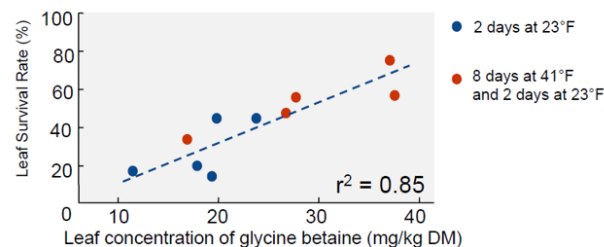
- Improve crop tolerance to abiotic stress
- Mitigate negative effects of cold and wet soils
- Support even emergence of plants
- Improve late season frost tolerance
- Improve early season plant vigor
- Support nutrient use efficiency

### Soil Health Benefits:

Bio-Stimulation and carbon supply

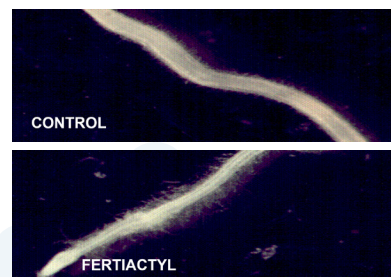
- Activate soil microbiome
- Enhance nutrient recovery of soil organic materials – crop residues & organic matter
- Improve availability of nutrients

## EFFECTS OF FERTIACYL ON LEAF SURVIVAL UNDER COLD STRESS



Effects of glycine betaine level on leaf survival in spring barley under cold temperature stress (from Kishitani et al, 1994)

## OVER 400X MORE SOIL TO ROOT CONTACT



## MICRO-NUTRIENT CROP BENEFITS

Nitrogen Management, Root Support, Photosynthesis, & More

### Zinc

- Supports root development & nutrient uptake

### Manganese

- Supports root elongation and resistance to root pathogens

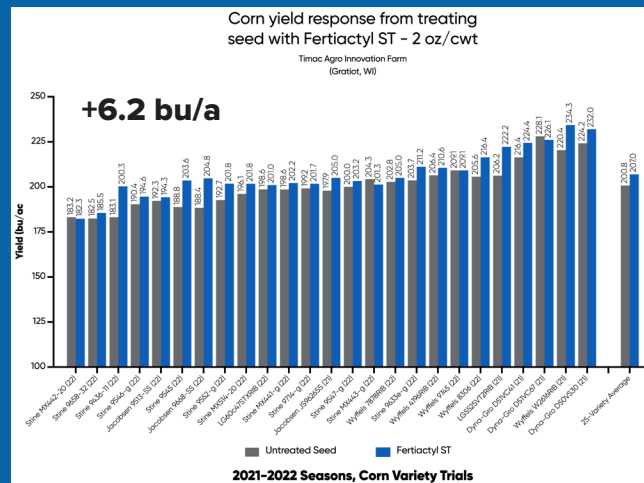
### Molybdenum

- Essential in nitrogen uptake
- Enhances bacterial nitrogen fixation

### Sulfur

- Aids in nitrogen management, photosynthesis, protein and amino acid development, carbohydrate accumulation, plus many more!

## FERTIACYL ST ON CORN



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MORE INFORMATION**

## FERTIACTYL ST DRY

pairs the patented GZA Technology with key micro-nutrients.

Essential micro-nutrients paired with specifically targeted GZA Technology (bio) leads to highly consistent crop, fertilizer, and soil performance that maximizes the genetic potential of a grower's seed investment.

Delivered in partnership with a 80/20 talc/graphite seed lubricant, and is an easy convenient method to deliver bio-technology and micro-nutrients for maximum yield benefit.

### BIO-NUTRITIONAL SEED LUBRICANT CONTAINING:

Patented GZA Complex  
+  
Essential Micro-Nutrients  
+  
Seed Lubricant

## USE RATE

**1 OZ/UNIT SEED**  
(Scoop included)

**PACKAGE SIZE:**  
8 lb bag

## OUR MISSION IS TO IMPROVE AGRICULTURE BY FOCUSING ON SERVICE TO GROWERS THROUGH:

- Relentless innovation
  - Flexible manufacturing
  - Optimized applications
  - Partnership in the field
- 
- Our patented formulas are derived from 60+ years of research and development in precision extract technology.
  - Our extracts are rigorously evaluated for their specific crop, soil, and environmental benefits.
  - By enriching specific extracts with essential nutrients, we create bio-nutritional formulas that meet the ever-changing needs of the crop.
  - Better yield and quality benefit our growers' productivity and profitability.

 **FERTIACTYL®**  
**ST Dry**  
Bio-Nutritionally Enhanced  
Seed Lubricant

 **Timac AGRO**  
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**MOTHER NATURE  
DOESN'T FIGHT FAIR  
NEITHER SHOULD YOU!**

Protecting Yield the Moment Your  
Seed Enters the Planter

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