

## MICROGRANULAR FERTILIZER

### TIMAC AGRO TECHNOLOGY

Our patented formulas are derived from nearly 60 years of research and development in plant extract technology. Through precise methods, our extracts are evaluated for their specific effects at each stage of crop development. By enriching selected extracts with macro- and micronutrients, we create bionutritional formulas that meet the ever-changing needs of the crop. Better yield and quality benefit our customers and are the result of improved emergence, vegetative growth, and reproductive performance.

As a company, our mission is to improve agriculture by focusing on four major areas of service to growers:

- Relentless innovation
- Flexible manufacturing
- Optimized applications
- Partners in the field

### FEATURES

Physiocal is a 70 SGN soil conditioner proven to provide labile calcium and is formulated with our patented Physio+ Complex. The granular product supplies key nutrition in the forms of calcium, sulfur, magnesium. It can be used alone or blended with other granular fertilizers.

### KEY BENEFITS

- Calcimer provides labile calcium, helps increase availability of soil nutrients, and improves soil structure. It is an excellent replacement for gypsum, with a much lower use rate.
- Product is very soluble and dissolves quickly after irrigating, without sticking to shoes and field tires versus lime.
- Homogenized granular with 1% seaweed extract
- Increases root mass and improves plant health
- Formulated with our patented Physio+ Complex
- Available in two formulations: 3-0-0 and 0-0-0

### APPLICATION

100-400 lbs/ac.

Please refer to soil tests and the advice of your Timac Agro sales representative for specific recommendations.

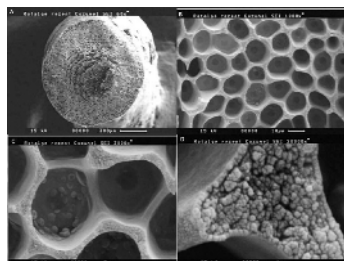
### PACKAGING SIZE

- 55.125 lb bag

## MICROGRANULAR FERTILIZER

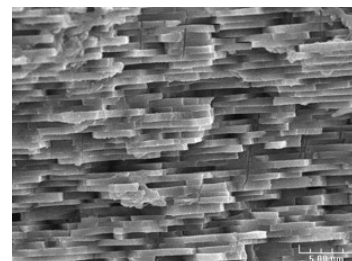
PhysioCal contains a Natural Calcified Seaweed. This product is naturally soft and porous. This unique porosity and surface area allows PhysioCal to be five times more soluble and four times more available than other liming materials, saving time and money.

## Improved Calcium Availability



**CALCIMER**

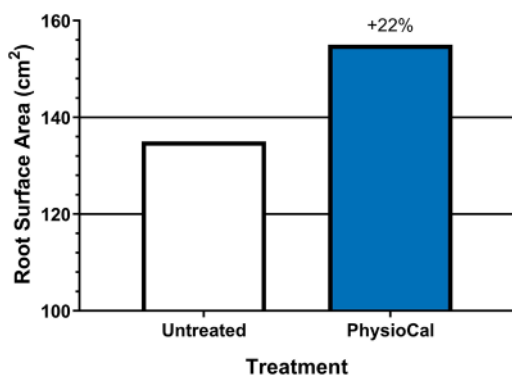
VS.



**Traditional Lime**

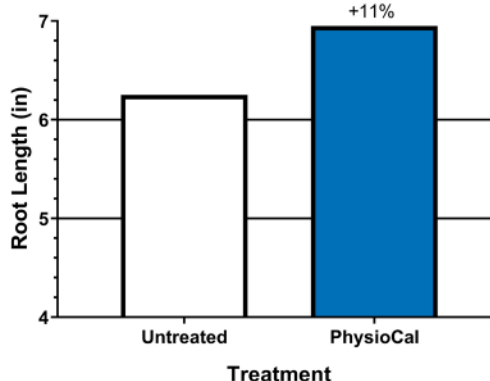
**PhysioCal provides better fertilizer efficiency and nutrient availability, denser root systems, increased microbial activity, enhanced plant response to environmental and biotic stress factors while improving soil structure.**

**Effects of PhysioCal on Tall Fescue Root Surface Area**



Pennsylvania State University, 2013

**Effects of PhysioCal on Tall Fescue Root Length**



Pennsylvania State University, 2013

## ANALYSIS

### 3-0-0

Homogenous granules contain:

Total Nitrogen (N) ..... 3%  
3% Ammoniacal Nitrogen  
Available Phosphorus (P<sub>2</sub>O<sub>5</sub>) ..... 0%  
Soluble Potash (K<sub>2</sub>O) ..... 0%  
Sulfur (S) ..... 5.6%  
Calcium (Ca)..... 22.5%  
Magnesium (Mg) ..... 1.2%

### 0-0-0

Homogenous granules contain:

Total Nitrogen (N) ..... 0%  
Available Phosphorus (P<sub>2</sub>O<sub>5</sub>) ..... 0%  
Soluble Potash (K<sub>2</sub>O) ..... 0%  
Sulfur (S) ..... 1.6%  
Calcium (Ca)..... 25%  
Magnesium (Mg) ..... 1.2%

Derived from: Ammonium Sulfate, Calcified Seaweed and Magnesium Sulfate