

# ENHANCE SPG

HUMATE/SULFUR/POTASH/GRANULAR

THE SOLUTION TO  
**PH AND SALT ISSUES**

Salt and Ph are an ever growing issue in today's agriculture. Years of applied water have led to a buildup of salt and a high saturation of base cations ( $K^+$ ,  $Ca^{2+}$ ,  $Mg^{2+}$  and  $Na^+$ ). Until now common treatment for these issues has been the use of individual products that take considerable time to begin working.

The long of the short of it.....

Enhance SPG is the culmination of years of trial and error in targeting the difficult issue of effectively balancing high Ph and salt accumulation. Enhance SPG has a balance of soluble and insoluble forms of sulfur to lower Ph for the short and long term. Immediately available sulfates cause drastic changes to Ph. Insoluble elemental sulfur is slowly oxidized by the thiobacillus bacteria to change Ph over time.

This change in Ph makes typically immobile base cations more mobile, thus reducing salt concentration and allowing the salt to "un-bind" and be removed through leaching or plant uptake. This whole process is backed up by the Humate in the product. Humate is a concentrated source of carbon and organic acids that promote balanced rapid microbial growth and also acts as a "sponge" for mobile and immobile nutrients. This allows the microbes to enzymatically "break apart" these nutrients and make them mobile again.

Active Ingredients  
 Humic Acid - >70%  
 Sulfate ( $SO_4$ ) ~6%  
 Sulfur Trioxide ( $SO_3$ ) ~5%  
 Sulfur (S) ~2%  
 Elemental Sulfur ~24%  
 Gypsum (Calcium Based) ~11%  
 Gypsum (Sulfate Based) ~11%  
 Calcium (Ca) ~2%  
 Magnesium (Mg) ~0.5%  
 Magnesium Sulfate ( $Mg SO_4$ ) ~2%  
 Potassium Oxide ( $K_2O$ ) ~5%  
Microbes  
 Thiobacillus



Go From This



In WEEKS, not  
YEARS

To This



## General Information

- Rapid change in Ph
- Lowers EC in soil after applied water
- Allows for more uniform germination
- Provides concentrated carbon in form of Humic Acid

## Application Rates

- Based mainly upon soil analysis
- Average is 100-200lbs/acre
- Contact representative on best application methods