

## HIGH-EFFICIENCY NITROGEN

### 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:

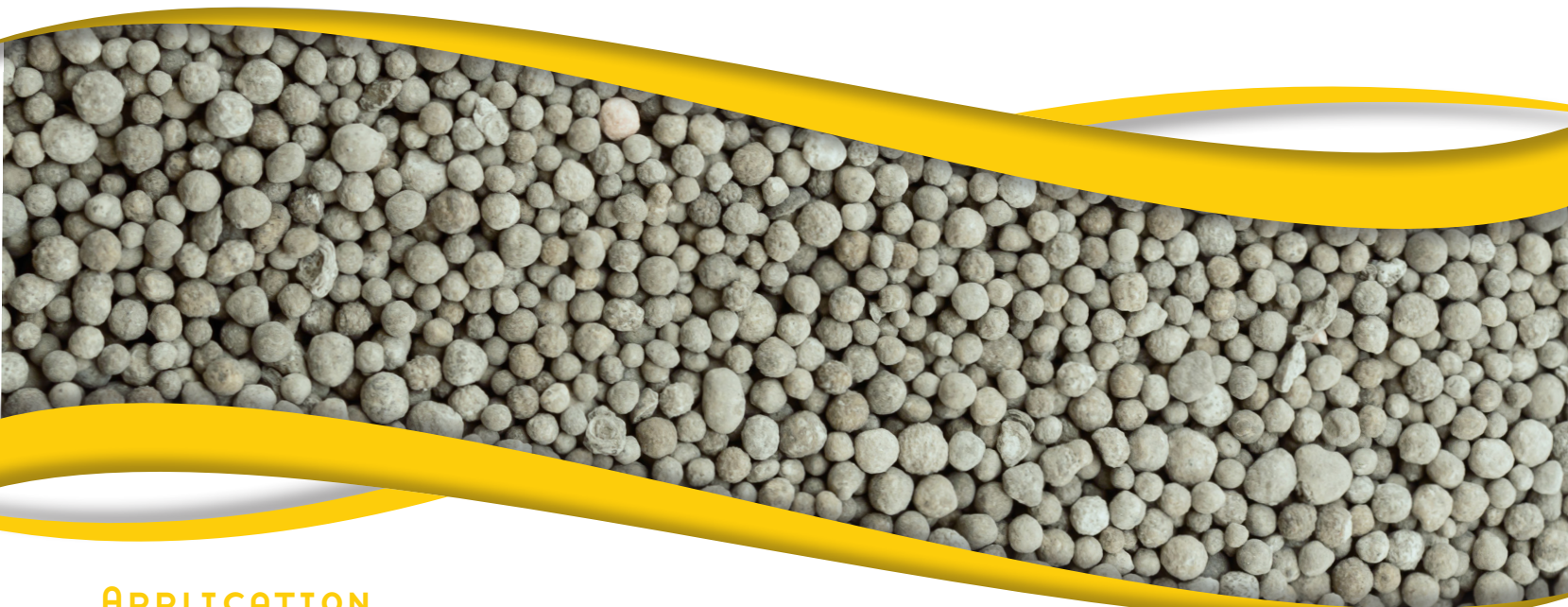
- Relentless innovation
- Flexible manufacturing
- Optimized applications
- Partners in the field

### FEATURES

Sulfammo is a nitrogen rich composite fertilizer with our patented N-Pro Complex. The precise combination of nitrogen, calcium, sulfur, and magnesium act in synergy to improve crop protein production. Higher nitrogen efficiency is obtained through a hardened matrix that slows the release of nitrogen to the soil. Sulfammo can be used as the sole nitrogen source or blended with other granular fertilizers.

### KEY BENEFITS

- Organo-calcium matrix changes how quickly the fertilizer granules break down to stabilize and reduce nitrogen loss
- Calcimer provides labile calcium to improve soil structure and promote microbial activity
- Formulated with the patented N-Pro Complex



### APPLICATION

Common rates are between 50 and 200 lbs/ac. Research has shown economical blending of Sulfammo up to 50% of the nitrogen source for an efficient combination of quick and slow-release nitrogen sources.

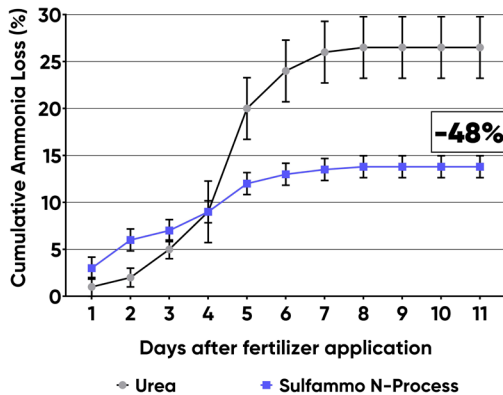
Please refer to soil tests or the advice of a Timac Agro USA sales representative for specific recommendations.

### PACKAGING SIZE

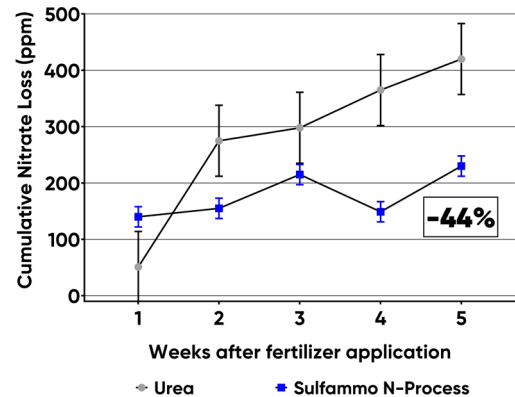
- 50 lb bag
- 1,333 lb super sack

## HIGH-EFFICIENCY NITROGEN

**Effect of Sulfammo fertilizer on ammonia volatilization**

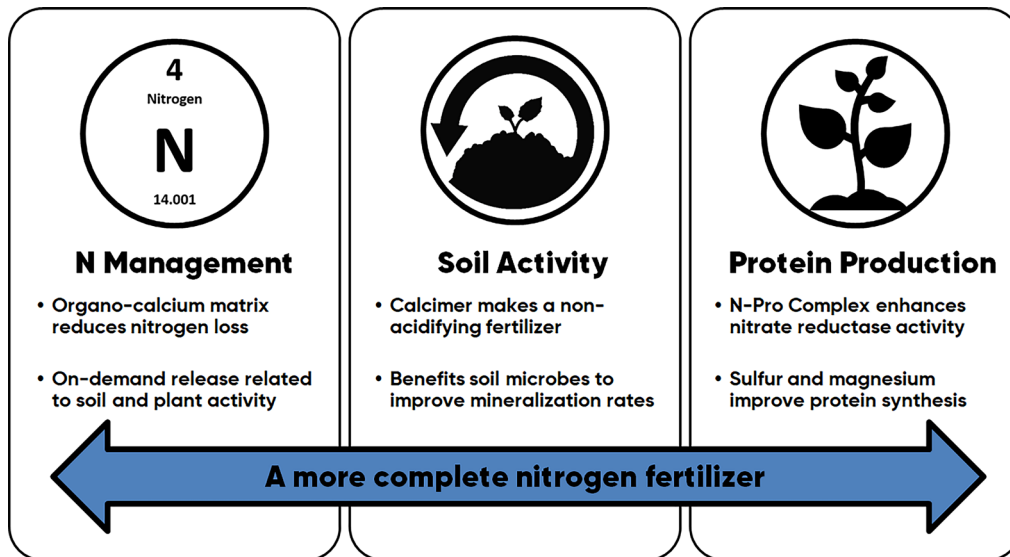


**Effect of Sulfammo fertilizer on nitrate leaching**



Research has shown that **Sulfammo N-Process** reduces cumulative ammonia volatilization by 48% and cumulative nitrate leaching loss by 44%. Data shown are the averages of 4 replicates per sample time. Leaching data was obtained from soil columns that received 0.6" simulated rain each sampling time using a silty loam soil with pH=8, T=77°F.

Source: Roullier R&D, CRIAS, 2015.



## ANALYSIS

Homogenous granules containing all nutrients.

Total Nitrogen (N)	.....30%
Urea Nitrogen	.....25%
Ammoniacal Nitrogen	...5%
Calcium (Ca)	.....2.5%
Magnesium (Mg)	.....1.2%
Sulfur (S)	......8%

Derived from: Urea, Ammonium Sulfate, Magnesium Sulfate, Marine Calcium Carbonate. Moisture Content: 0.8% to 1.0%, Maximum 1.0%  
SGN = 300-400