

# NanoActivators

Uniquely engineered nanoparticle solutions designed to tank mix or combine with fertilizer, pesticide, or PGR products to improve uptake and delivery on turfgrass.



## NanoFuse™

**Pest Activator 0-0-0**

This specially designed nanoparticle solution is engineered for enhancing control of: fungicides, herbicides, PGRs, biologicals, and insecticides. When added to spray mixes NanoFuse™ works by uniquely improving product uptake into both leaves and roots.

### GUARANTEED ANALYSIS

Active: Humic Acids.....0.1%  
Inert: Total Other Ingredients.....99.9%  
Derived from: Leonardite, Water  
**Covers up to 36.7 Acres**



## NanoCharge™

**Fert Activator 1-0-0**

The NanoCharge™ nanoparticle is specifically designed for pairing with fertilizer solutions to improve their nutrient use efficiency. This keeps nutrients in solution for faster plant uptake and greater protection against losses whether in soil or on foliage. Economical low use rates make it the perfect addition to deliver more from your liquid fertilizer program.

### GUARANTEED ANALYSIS

Total Nitrogen (N)..... 1.0%  
1% Urea Nitrogen  
Inert: Total Other Ingredients..... 99%  
Derived from: Urea, Leonardite, Water  
**Covers up to 36.7 Acres**



**Turf NanoTech**  
*Control Delivered*

# NanoFertilizers

High-quality turfgrass fertilizers paired with specially designed nanoparticles to improve nutrient uptake into every blade of grass.



## NanoNitro™

26-0-0

NanoNitro™ pairs nanoparticles with a complex of four different forms of readily and slowly available nitrogen for delivering performance greening and optimal growth responses across a range of conditions. NanoNitro™ also supplies sulfur for enhancing protein and chlorophyll production.

### GUARANTEED ANALYSIS

TOTAL NITROGEN (N)..... 26%  
 3% Ammoniacal Nitrogen  
 10% Urea Nitrogen  
 13% Water Soluble Nitrogen\*  
 SULFUR (S)..... 6%  
 6% Combined Sulfur (S)  
 Derived from: Urea, Urea-Triazone, Methylene Urea, and Ammonium Thiosulfate.  
 \*13% Slowly Available Nitrogen from Urea-Triazone and Methylene Urea Solution  
**Covers up to 97,000 ft<sup>2</sup>**



## NanoComplete™

16-3-5

NanoComplete™ is a complete nutrition and nanoparticle package in one for balanced feeding. This broad nutrient analysis provides turfgrass the major essentials of what it needs for optimal performance.

### GUARANTEED ANALYSIS

TOTAL NITROGEN (N)..... 16%  
 1% Ammoniacal Nitrogen  
 7% Urea Nitrogen  
 8% Water Soluble Nitrogen\*  
 AVAILABLE PHOSPHATE (P<sub>2</sub>O<sub>5</sub>)..... 3%  
 SOLUBLE POTASH (K<sub>2</sub>O)..... 5%  
 SULFUR (S)..... 3%  
 3% Combined Sulfur (S)  
 IRON (Fe) TOTAL ..... 1%  
 1% Chelated Iron EDTA (Fe)  
 Derived from: Urea, Urea-Triazone, Methylene Urea, Ammonium Thiosulfate, Potassium Hydroxide, Phosphoric Acid, Iron EDTA.  
 \*8.00% Slowly Available Nitrogen from Urea-Triazone and Methylene Urea Solution  
**Covers up to 59,500 ft<sup>2</sup>**



## NanoKommand™

12-0-12

NanoKommand™ is a well balanced potassium + nitrogen + nanoparticle formula for delivering stress protection and maintaining healthy growth. This product is designed to supplement K as needed across varying conditions and growing seasons.

### GUARANTEED ANALYSIS

TOTAL NITROGEN (N)..... 12%  
 1% Ammoniacal Nitrogen  
 5% Urea Nitrogen  
 6% Water Soluble Nitrogen\*  
 SOLUBLE POTASH (K<sub>2</sub>O)..... 12%  
 SULFUR (S)..... 2%  
 2% Combined Sulfur (S)  
 IRON (Fe) TOTAL ..... 0.1%  
 0.1% Chelated Iron EDTA (Fe)  
 Derived from: Urea, Urea-Triazone, Methylene Urea, Ammonium Thiosulfate, Potassium Acetate, Iron EDTA.  
 \*6.00% Slowly Available Nitrogen from Urea-Triazone and Methylene Urea Solution  
**Covers up to 44,400 ft<sup>2</sup>**



## NanoRange™

16-0-5

NanoRange™ offers a broad nutrient range loaded with nanoparticles for regular use feeding. This product includes all the benefits of NanoComplete™ without the added phosphorus.

### GUARANTEED ANALYSIS

TOTAL NITROGEN (N)..... 16%  
 1% Ammoniacal Nitrogen  
 7% Urea Nitrogen  
 8% Water Soluble Nitrogen\*  
 SOLUBLE POTASH (K<sub>2</sub>O)..... 5%  
 SULFUR (S)..... 1%  
 1% Combined Sulfur (S)  
 IRON (Fe) TOTAL ..... 1%  
 1% Chelated Iron EDTA (Fe)  
 Derived from: Urea, Urea-Triazone, Methylene Urea, Ammonium Thiosulfate, Potassium Acetate, Iron EDTA.  
 \*8.00% Slowly Available Nitrogen from Urea-Triazone and Methylene Urea Solution  
**Covers up to 57,100 ft<sup>2</sup>**



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 Control Delivered™





## WTN - What The Nano?

The way professional turfgrass managers deliver nutrients and active ingredients is about to change, just as it already has for those in agriculture and medicine. Our new products admittedly look just like any other liquid fertilizers you've tried: same jug, label, guaranteed analysis, made for turf, directions, rates, etc. **The one difference though is Turf NanoTech products have an ingredient which allows them to perform unlike anything else: nanoparticles. The nanoparticles in all TNT products are designed to do one thing: deliver you control.**

Nanoparticles are changing how turfgrass is managed in two simple ways: improving uptake and protecting against losses of what is applied. Just as your height of cut is dialed in to a hundred thousandth of an inch, it's now possible to dial in how you control nutrient and pesticide delivery into every blade of grass. More control of how the valuable nutrients and chemistries you apply are delivered into turf plants for optimal performance.

At TNT we've mastered how to engineer mineral carriers into nanoscopic particles: essentially tiny sponges designed to be loaded with solutions like fertilizers, fungicides, PGR's, herbicides, and insecticides. How small? These nanoscopic particles are only visible using an electron microscope; at half the size of a virus it would take 50,000 of them lined up to cross the width of a single bentgrass leaf. Existing at this nanoscale, our particles gain a special ability to slip right into plant roots and leaves to then deliver their payloads directly into cells. This nano-size allows the molecules to act like both a powerful chelator plus an adjuvant all in one for better results. Try a few of these products and compare for yourself how they deliver consistent control and performance on turfgrass.



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