

# DustGuard Organix

*Dust Suppressant*

## The Effective, Eco-Friendly Solution.

### **BENEFITS**

- *All Natural*
- *Long Lasting*
- *Proven Performance*
- *Biodegradable*

### **APPLICATIONS**

*Organic Ag Land  
Unpaved roads  
Construction Sites  
Mines  
Parks  
Parking Lots  
Campgrounds  
Race Tracks  
Driveways*

DustGuard Organix is a soy based biodegradable dust suppressant that is recommended by the USDA. Designed to last an entire season, DustGuard Organix provides an excellent budget friendly alternative to paved roads. DustGuard Organix is the clear alternative to traditional dust control products which contain Polyvinyl acetate (PVA), which is known to contain formaldehyde, thus making it the eco-friendly and most economical solution. Other traditional dust suppressants such as calcium and magnesium chloride are water soluble; when it rains, they dissolve and run-off can migrate and contaminate surrounding soil and water. When DustGuard Organix is applied, it penetrates inches below the road's surface and bonds with the bed material of the surface, forming a protective shield. Even in high traffic areas where semi-trailers and trailers create large clouds of dust, DustGuard Organix does the job. Using DustGuard Organix eliminates the need for constant road attention, further reducing your labor and equipment expenses.



# Terra Novo

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## Application Rates & Techniques

Environmental considerations are of the utmost importance for dust control applications. With air quality in mind, all of our products are engineered to provide their high levels of performance without the use of volatile hydrocarbon solvents. For those products that require non-aqueous liquids, we have designed those formulations to employ agriculturally produced, eco-friendly oils.

### APPLICATION

As with all dust suppressants, application rates and methods depend upon the site, environment, soil type, and more. Please contact your Terra Novo representative for site specific recommendations. Each site is unique, and as such, the following application rates are based on averages in the field.

Soil Type	Gallons / Square Foot*	Gallons / Acre*
Sand	0.0126 gal / sq. ft.	550 gal / acre
Silt	0.0137 gal / sq. ft.	600 gal / acre
Clay	0.0149 gal / sq. ft.	650 gal / acre

\*This product should be applied neat. Do not dilute.

### SURFACE PREPARATION

When possible, roadways should be graded. This will allow for maximum penetration of DustGuard Organix, allowing DustGuard Organix to agglomerate the dirt particles, allowing for deeper penetration and protection. For silt and clay roads, compaction of the road after application of DustGuard Organix will ensure a lasting result. For average conditions, a single application will last an entire season. DustGuard Organix remains wet during application and continues to cure as it controls the dust.

### SAND SIEVE ANALYSIS

Sand Sieve Analysis is a practice or procedure used to assess the particle size distribution of granular material. The size distribution is critical in determining the type of dust suppressant needed and application rates to be used. The practice of Sieving is quick and accurate, measuring the maximum diameter of a sediment grain. There are four aspects of this proven test, including sizing, sorting, kurtosis, and skewness. After the analysis, we can determine the percent sand, silt and clay in your soil, and textural class, thereby recommended an accurate application rate and method for your needs.

Particle Grade	Size (mm)	Surface Preparation
very coarse sand	1-2	Smooth and level surface prior to application
medium sand	0.25-0.50	
fine sand	0.125-0.25	Loosen top inch of soil prior to application for better coverage/penetration, compact soil after application
silt	0.0039-0.0625	
clay	less than 0.0039	

For a free Sieve Analysis, please send a sample of your soil to:

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### ABOUT US

Terra Novo is dedicated to helping the Storm Water and Erosion Control industry comply with strict Federal Clean Water regulations. We provide cost-effective Best Management Practice solutions that more and more erosion control and storm water specialists are turning to. Our engineers and chemists pride themselves by maintaining a hands on approach to solving site-specific problems. We have developed product lines for erosion control, dust control and storm water run-off with the end user in mind. All of our products are highly effective, extremely affordable, and environmentally friendly.

For technical services or to locate your nearest DustGuard Organix dealer, call 1-888-843-1029 or visit us online at [www.terranovo.com](http://www.terranovo.com).

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