

# Dust X

*Dust Suppressant*



## The water conserving solution.

### **BENEFITS**

- *Reduce Passes*
- *Less wear/tear on equipment*
- *Long Lasting*
- *Proven Performance*
- *Biodegradable*

### **APPLICATIONS**

*Unpaved roads  
Alleys  
Construction Sites  
Mines  
Parks  
Parking Lots  
Campgrounds  
Race Tracks  
Driveways*

Dust X is a highly concentrated biodegradable blend of organic wetting agents which sharply reduce the surface tension of water at very low concentrations, thereby providing excellent dust suppression by allowing deeper penetration of the water into the substrate. Water has a high surface tension which makes it inefficient for wetting surfaces that contain high amounts of clay or fine dust particles. Dust X significantly improves the ability of water to overcome the surface tension and penetrate deeper. Dust X is formulated with a constituent which provides a residual effect after the point of application, thereby allowing for lower usage rates of water and product with continued use. Water alone is the most commonly-used dust suppression worldwide. While water is becoming even more scarce, simply adding a few gallons of Dust X to your water truck will save you and our environment significant amounts of water.



[www.terranovo.com/dust](http://www.terranovo.com/dust)

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## Application Rates & Techniques

### 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.

Particle Grade	Gallons / Acre*	Dilution Rate
Sand	2 - 4	1000:1
Silt	4 - 6	1000:1
Clay	6 - 8	1000:1

\* Recommended rate/gallon is neat solution that needs to be applied (i.e., for every acre, there should be 1,000 gallons of water plus the recommended rate of Dust X applied)

Dust X is readily dispersible in water and should be diluted in water at a rate of 1,000:1. It is also recommended to add the product when the water truck is almost full.

### SURFACE PREPARATION

When possible, the surface should be smoothed and leveled out prior to application to allow for better penetration. For silt and clay roads, compaction of the road after application of Dust X will ensure a lasting result. After the first application of Dust X, you will notice a decline in water consumption over a short period of time.

### 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	
silt	0.0039-0.0625	Loosen top inch of soil prior to application for better coverage/penetration, compact soil after application
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 Dust X dealer, call 1-888-843-1029 or visit us online at [www.terranovo.com](http://www.terranovo.com).