



# DustCap

*Dust Suppressant*

## Dust Suppression Without Limits

### **BENEFITS**

- *Reduces Wind Erosion*
- *Highly Efficient*
- *Soil Stabilizer*
- *Biodegradable*
- *Non-Toxic*

It has been known for many years that soil particles owe their stability in part to the presence of naturally occurring polymeric materials which bind to the soil. DustCap is a polymeric soil stabilizer designed to hold together soil structure, similar to the effect of the organic matter found in most soils. DustCap protects the soil structure by binding to soil crumbs, reducing crumb breakdown, and by creating a cap to further resist environmental attack. Application of DustCap reduces erosion up to 95% and creates excellent resistance to weatherability. DustCap is a superior choice for capping dirt fields and construction sites, yielding months of protection against wind and water erosion.

### **APPLICATIONS**

*Construction Sites*  
*Oil Fields*  
*Roads*  
*Ag Land*  
*Stockpiles*  
*Campgrounds*



[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. Each site is unique, and as such, the following application rates are based on averages in the field. In some situations such as high wind, powdery soil, etc., increasing application rates by 1.25-1.5 times may be required.

Soil Type	Gallons / Acre	Minimum Dilution Rate
<i>Clay</i>	<i>15</i>	<i>150:1</i>
<i>Silt</i>	<i>10</i>	<i>200:1</i>
<i>Sand</i>	<i>5</i>	<i>300:1</i>

Some circulation is needed to complete the inversion of the product. The product is readily dispersible in water and it is advised to have the ability to recirculate the water tank on itself to mix. About 5 minutes of mixing is adequate.

Cure time for DustCap is just under four hours on a typical sunny day.

### SURFACE PREPARATION

When possible, grading the surface soil will greatly improve DustCap's penetration, thereby enhancing the lifetime of the product. The product can also be applied directly onto the soil without any surface preparation.

### 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	1-2	Optional grading of the surface to extend product lifetime, but not necessary.
medium sand	0.25-0.50	
fine sand	0.125-0.25	
silt	0.0039-0.0625	
clay	less than 0.0039	

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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, call 1-888-843-1029 or visit us online at [www.terranovo.com](http://www.terranovo.com).

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