

# DustTAG

*Dust Suppressant*

## BENEFITS

- *All Natural*
- *Non-toxic*
- *Custom Blended*
- *Proven Performance*
- *Biodegradable*

## APPLICATIONS

*Unpaved roads  
Ports  
Dairies  
Farm Roads  
Construction Sites  
Mines  
Parks  
Parking Lots  
Driveways*

## Enhanced Bio-Based Dust Suppression.

DustTAG is a custom blend of bio-based vegetable oils and stabilizers designed for excellent penetration and lasting results. DustTAG is an alternative to traditional dust control products that are corrosive and damaging to the environment. Its ability to penetrate the soil at deeper levels, bonding to the substrate, enhances the dust suppression abilities. Designed for environmentally sensitive applications such as farm roads and other agricultural land, DustTAG penetrates the soil surface and attracts moisture due to its humectant properties. After application, DustTAG treated surfaces will be reactivated with a reduced amount of water and a small maintenance application. DustTAG is a superior choice for an environmentally safe and long lasting dust suppressant.



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

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## Application Rates & Techniques

### APPLICATION

Application of DustTAG requires maintenance watering with an added dose of DustTAG to maintain the humectant properties of the product. Typical application of DustTAG is best suited for sites that currently utilize some form of water schedule for dust control. Use of DustTAG reduces the number of waterings up to 75% and sometimes more. The humectant properties of DustTAG will hold the water longer slightly under the surface of the ground, allowing for an expanded watering schedule, saving time, water, labor and money.

Application Type	Land Covered/Gallon	Gallons/Acre	Dilution Rate
Light Traffic Road	348 sq. ft.	125 gal / acre	15:1
Heavy Traffic Road	110 sq. ft.	160 gal / acre	10:1
Construction Site	311 sq. ft.	140 gal / acre	10:1
Grading/Excavation Site	311 sq. ft.	140 gal / acre	10:1
Maintenance Application	2,178 sq. ft.	20 gal / acre	N/A

For soils with more than 3 inches of particulate matter above the hard pan surface, increase application rates by 40%.

### SURFACE PREPARATION & MAINTENANCE

When possible, roadways should be graded. This will allow for maximum penetration of DustTAG, allowing DustTAG to agglomerate the dirt particles for better protection. For silt and clay roads, compaction of the road after application of DustTAG will ensure a lasting result. DustTAG remains wet during application and continues to cure as it controls the dust. Take a visual inspection of the treated area every week. When the surface dries, grade the area, check for remaining moisture content beneath the dried topsoil. Watering should be done to re-activate the product when dried topsoil is more than one inch deep. Typical sites don't require watering for multiple days after application, and only every few days thereafter. For maximum and continued results, add 20 gallons of DustTAG to the water truck when watering every month. Every 4-5 months, a re-application of the original application rate is typically required as DustTAG is biodegradable and will deplete into the soil.

### ENVIRONMENTAL SAFETY

The functional constituent of DustTAG is derived from grain in the production of naturally-sourced biodiesel. A number of universities and government agencies in this country and in Europe have studied the use of this constituent as an animal feed additive; these studies have shown high nutritional benefit to cattle, hogs and poultry at levels comprising as much as 10% of the animals' diets. The US Department of Agriculture has determined that this constituent may be used as an ingredient in organic foods (see 7CFR 205.605 for details). Many food, drug, and personal care products are formulated with the same constituent used in DustTAG. The US Food and Drug Administration has approved it for use in dental hygiene products (21CFR 310.534), skin care products (21CFR 347.19), ear cleansers (21CFR 344.10), eyewashes and other ophthalmic care products (21CFR 344.1). For food uses, the component is listed by the FDA as "Generally Recognized as Safe" (GRAS) as a multi-purpose food additive (21CFR 182.1320); among many other foods, it can be found in marshmallows, candy, fudge and baked goods. Aquatic toxicity studies have shown it to be safe to various species of fish at levels in excess of 5,000 mg/l. Similarly, its toxicity to environmental microorganisms has been determined to be equally low. Many scientific studies have concluded that the inherent safety of this component is so great that additional work is not generally recommended. With these facts in hand – safety as a food, drug and feed additive, negligibly low toxicity to microorganisms and fish, innocuous breakdown products – DustTAG can be used in even the most sensitive applications.

### 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	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.
silt	0.0039-0.0625	
clay	less than 0.0039	

For more information about DustTAG and our other products, please visit us at [www.tagchemical.com](http://www.tagchemical.com).