



Organic Dust Control

Long-Term Organic Dust Suppressant and Road Base

- Three products for Dust Control and Road Base applications
- Economical & effective compared to water or chemical solutions
- Clean alternative to chemical dust control agents
- Biologically based, all natural, chemical free
- Apply undiluted or mixed with water depending on application.

When it comes to controlling fugitive dust, just go natural. Bio based dust control products are effective, safe, and economical. Because they are organic, they pose no threat to wildlife or surrounding water supplies. All of our products are 100% natural vegetable oil, and surpass the USDA requirements for bio based content. Because bio based products start with agriculture, they help support the economy on several levels. Our dust control products are an accumulation of 15 years of research, and on-going testing. RiMAX Bio offers a variety of products for nearly any project; drilling sites, county roads, truck lots, grain terminals, residential drives, construction sites...etc. We have products to fit any budget; from high compaction road stabilization products, to economical dust control agents for less demanding situations.

Bio based products are rapidly becoming the responsible way to do business in many sectors of society. In the area of dust control, RiMAX Bio is dedicated to bringing these products to everywhere fugitive dust control agents are needed.

Product Lines:

Bio-Asphalt:

Organic Asphalt alternative.

Bio-Dustlocker:

Flexible, water soluble version of Bio-Asphalt.

Bio-Rain:

General purpose economical, water soluble, dust control.



Bio-Asphalt

Organic Asphalt Alternative and Dust Control

RiMAX Bio's **Bio-Asphalt** provides surface stabilization in addition to industrial strength dust control. Bio-Asphalt is ideal for areas where a paved surface is desired, but not within the budget. For residential drives and roadways, Bio-Asphalt is designed to be a single application product that can set a road surface up hard and durable. For industrial uses, it is extremely durable under compaction from large equipment. Bio-Asphalt is the most powerful organic dust suppressant and road base available. Bio-Asphalt has held up under hurricane conditions on the Gulf Coast.

Bio-Asphalt dust suppressant surpasses the USDA list of requirements for bio-based content. It is a 100% agriculturally derived oil.

BENEFITS:

- Economical asphalt alternative
- All Natural, Biodegradable, harmless to the environment
- Apply to new or existing gravel surfaces
- Provides long term dust control and hard surface
- Repels water
- Little or no tracking residue after application
- Shipping available worldwide

Bio-Asphalt

Primary Use:

Where asphalt is needed but not in the budget.

Ideal for:

Gas/Oil Drilling Sites & Roadways, County Roads, Truck/Container Lots, Lumber Yards, Grain Pads, and Golf Cart Paths.

APPLICATION:

Bio-Asphalt Dust Suppressant is applied topically as straight oil and begins curing immediately. Bio-Asphalt will not run into waterways or become wet again after curing.

When this product is applied over a 50/50 mix of loose stone and dust, it will greatly reduce your dust and bind your stone. You can apply it with our pump and garden hose method for smaller applications. For larger jobs, you can use any agricultural pressure-spraying device or municipal applicator truck.

One gallon of Bio-Asphalt covers about 40-50 square feet of prepared surface. For average conditions, a single application will last an entire season. Truck lots may require spot applications in heavy tire turning areas. With diluted maintenance applications of Bio-Dustlocker the surface can last indefinitely. Final appearance will be light gray, and dry to the touch.

- As with all dust suppressants, application rates and methods depend upon the site, environment, soil type, and more. We recommend smaller test applications to make sure each product matches your environment and expectations, before bulk orders are made.

LONGEVITY:

The durability of Bio-Asphalt will depend on surface composition, weather conditions, and application rates and methods. A single application of Bio-Asphalt can last over a year on straight automobile roadways. Industrial lots will require more frequent applications depending on load requirements and traffic. With maintenance applications of our diluted Bio-Dustlocker product this surface can last indefinitely.

PACKAGING:

Bio-Asphalt is available in 275 gallon totes, 55 gallon drums, and 5 gallon containers. For larger projects, Bio-Asphalt can be shipped bulk 4500-6500 gallon tank trucks.

TESTIMONIES:

"Thank you for applying a test run of your Soybean based dust suppressant to approximately 650 feet of our haul road at the quarry. Not only did it suppress the dust, it worked well in stabilizing the road and held up nicely against heavy quarry traffic. We will be considering using more of this product at the quarry and possibly at other locations, as well." Quarry Production Supervisor

Bio-Dustlocker

Emulsified Dust Suppressant and Road Base

Bio-Dustlocker dust suppressant is a more flexible form of our Bio-Asphalt product. Bio-Dustlocker can be blended with water to whatever ratio the job calls for, and is ideal for water trucks. Bio-Dustlocker penetrates deep into the surface and builds on itself to promote and maintain long-term road surface stabilization and increase the load bearing strength. Already priced well below the "glue-like" PVA's, Bio-Dustlocker becomes even more economical to use over time, as less active ingredient is required to maintain the surface. In addition, Bio-Dustlocker is a great follow up product to any Bio-Asphalt dust suppressant application.

BENEFITS

- Apply to most any type of dust emitting surface to give a solid dust barrier and surface much like low grade asphalt.
- Greatly reduces stone replacement / road maintenance costs
- Builds upon itself, therefore is more economical with each application
- Can be diluted with water for a more economical application.
- Active ingredient repels water once applied
- Little or no tracking residue after application
- Multiple applications can provide dust control for a year or more
- Applies easily through water trucks / spray systems

Bio-Dustlocker

Primary Use:

Longer Term Dust Control where solid surface is preferred.

Ideal for:

Industrial Haul Roads & Long Stretches of Country Roadway.

APPLICATION:

Bio-Dustlocker is shipped as a concentrated product and can be diluted with water making it very flexible and cost-effective. Best used on heavily traveled dirt roads and haul roads. Bio-Dustlocker is a powerful and long-lasting soil binder that penetrates the aggregate at deeper rates than typical dust suppressants. Bio-Dustlocker is all-natural, environmentally safe oil that will protect your soil from weather and traffic degradation.

When possible, the surface should be graded prior to application to attain an equal blend of stone and dust. Bio-Dustlocker can be applied with any spraying device used to apply water; including water spray trucks.

The initial application should be made using a 1:1 or 2:1 water to oil ratio, and applied at a rate of 1 gallon per 40 square feet to insure a heavy coating. After this initial coating the subsequent treatments can be made using higher dilutions rates to maintain and strengthen the surface.

Recommended treatment rates will vary depending on the surface to be treated and the work environment. Treated surfaces will appear wet following application but will not track or be affected by rain after being treated with Bio-Dustlocker.

- As with all dust suppressants, application rates and methods depend upon the site, environment, soil type, and more. We recommend smaller test applications to make sure each product matches your environment and expectations, before bulk orders are made.

LONGEVITY:

For average conditions, two to three road applications of Bio-Dustlocker will build up a hard dust-free surface which will last a year or more. Industrial use rates and life will vary by project. Call for recommendations.

RiMAX Bio

Economical Organic Solutions

PACKAGING:

Bio-Dustlocker is packaged for shipping in 275 gallon totes, 55 gallon drums, and 5 gallon buckets. For larger domestic projects, Bio-Dustlocker can be shipped bulk in 4,500-6500 gallon tank trucks.

TESTIMONIES:

Controlling dust effectively without damaging vehicles or polluting the environment is an issue the Board of Supervisors addresses each spring. In the past traditional dust suppressants have been used on the sixteen miles of dirt roads in the county. Your soybean-based dust suppressant, was applied to the dirt roads last summer. The product was found to be competitively priced and as effective as traditional suppressants. The Township was satisfied with the performance and plans to use the product again.

Chairman, Board of Supervisors

Bio-Rain

Natural Dust Suppressant

Bio-Rain is a 100% natural (vegetable oil) dust suppressant which surpasses the USDA requirements for bio-based content. As an alternative to traditional dust suppressants like plain water or used motor oil, Bio-Rain provides a more economical, effective, and environmentally sound means of control. It is rapidly becoming the clean, clear alternative to modern chemical dust control agents like Lignin Sulfonate, Calcium Chloride, and Magnesium Chloride. By attaching to and weighing down dust particles, the dust is suppressed with Bio-Rain. Bio-Rain can be applied undiluted or mixed with water and, thus applied as needed at different strengths on nearly any dust-generating surface.

BENEFITS:

- Can be diluted with water for a more economical application
- Can be applied to most any type of dust emitting surface
- Biologically based, all natural, chemical free
- Is biodegradable and harmless to the environment
- Clean and essentially odor free (mild vegetable odor)
- Little or no tracking residue after application
- Resistant to cold temperatures
- Can be easily applied using any vehicle or system that sprays water
- Available year round in large quantities
- Provides several months dust control

Bio-Rain

Primary Use:
Economical Dust Control for Multiple Surfaces

Ideal for:
Construction Sites, Athletic Fields, Horse Stalls.

APPLICATION:

Bio-Rain dust suppressant can be applied topically undiluted (straight) or diluted with water. It is an ideal additive for water spray trucks. Bio-Rain can be applied with any spraying device used to apply water. Bio-Rain can be driven on immediately and tracking is minimal. *Bio-Rain* is wet only during application and will not run off due to rain.

- As with all dust suppressants, application rates and methods depend upon the site, environment, soil type, and more. We recommend smaller test applications to make sure each product matches your environment and expectations, before bulk orders are made.

LONGEVITY:

For average conditions, a single un-diluted road application of Bio-Rain will last a month or more. Longevity will vary by project, conditions, and dilution rate.

COVERAGE/PACKAGING:

The recommended un-diluted application rate is 1 gallon per 30 square feet. By diluting with water, more area can be covered.

Bio-Rain is packaged for shipping in 275 gallon totes and 55 gallon drums. For larger domestic projects, Bio-Rain can be shipped bulk in 18,500 gallon railcars or 4500 gallon tank trucks.

TESTIMONIES:

The following describes an application on a roadway and parking lot for a large greenhouse operation. The surface was primarily crushed stone with dust.

“We had 2 applications of Bio-Rain this summer in early May and early August. The product was virtually odor free and did not track at all following applications. We had very good dust control and after long periods of dry weather, the product would reenergize itself when it rained. We will definitely continue to use Bio-Rain for our dust control needs” D.E. , Elsbury’s Greenhouses