



Annual Individual Dust Control Program FREQUENTLY ASKED QUESTIONS

What is Dust Control?

Dust Control is a process where a liquid solution is applied to an existing, unpaved, gravel road surface to suppress the dust that becomes airborne from passing vehicles, wind erosion and other aggregate loss.

Road dust is made up of fine particles that are important for the stability of the road. These fines are small enough to pass through a No. 200 sieve and feel like powder when rubbed between your fingers. When fines blow away, the gravel road breaks down and you watch the fines “escape” in the form of dust. Traffic, rain and wind then scatter the coarser aggregate; causing potholes, ruts, washboards, loss of profile and ditch lines, and other problems. Wetting the road surface can help to keep dust-related problems in check as moisture helps fines adhere to each other and to aggregates, allowing for optimum compaction.

Our product helps keep the fines from escaping, by keeping them hydrated and heavy, thereby holding the materials together and ON the road.

What kind of products do you use and how do they work?

We use a chloride-based solution. It is a water-based, odorless, colorless, non-flammable, non-toxic, and environmentally friendly product. It works by drawing and holding moisture from the air into the treated road surface, thereby reducing airborne dust. The moisture retained by the treated surface keeps the road plastic enough so fines can migrate into gaps formed between aggregates under the varying pressure of passing traffic. In short, our product does the following:

- reduces the amount of gravel needed in annual maintenance
 - extends the service life of the gravel-wearing course, decreasing blading and shaping
 - controls dust
- helps improve road stability when used over time



How do you apply the dust control?

Our spray trucks all employ a computerized, speed-controlled spray bar unit mounted on the rear of an 18-wheel tanker truck that can spray 12’ to 24’ wide at the appropriate application rate in a single pass.

If the area to be treated cannot accommodate an 18-wheeler, please let us know when calling for your quote. Especially, are there sharp curves or narrow intersections? Are there any side or overhead obstructions such as low hanging tree limbs or power lines in the way? Is there anything else that would prevent a tanker from accessing your road, such as a low-weight bridge or dead end with no turnaround?

How long does one application last?

There are many variables in determining how long one application will last. They include: preparation of the road, application rate of the product, weather conditions, the type & quality of aggregate material on the road, traffic volume and general maintenance of the road.

On a normally-traveled, unpaved road with good aggregates and good preparation (grading & watering), one application should last several weeks to several months and *could* last up to a full year. Treating the same area year after year, you will notice even better dust suppression and road stability due to the residual effects from the year(s) before.

How much dust will be controlled with one application?

There are many variables here as well. When the dust control solution is applied, the majority of dust will be suppressed. Depending on traffic flow and weather conditions, you may later notice some dust begin to kick up behind vehicles, but still significantly less than on an untreated road. “Dust” from a treated road is heavier than untreated fines and will fall back onto the surface of the road rather than hang in the air. In our humid summers, the rain and air moisture is often enough to replenish the product’s full effects. Even spraying your road down with the garden hose will replace moisture in the road surface (like it does for your garden plants) and will “reconstitute” the initial treatment for continued dust suppression. The distance treated can make a difference as well, as untreated fines from adjacent surfaces can be dragged onto the top of the treated surface.

Do I need permission to have dust control applied on my public road?

Yes! Call the City, County, Township or Road District that maintains your road, and tell them you plan to have dust control applied on your road and make sure you have permission to do so. Make sure that the product(s) and vendor are approved by the county for use on your public road. Also, request that they prep your road prior to treatment and make sure you understand what their procedures are for maintaining the road before and after treatment. It is ideal if the road crews do not grade after the treatment, but please make sure you ask what their policies & procedures are.

You do not need to obtain County permission or product approval for dust control on private property or roads.

What do I need to do to prepare my road for dust control?

First, you are responsible for measuring the length and width for the part of your road that you want treated. It is important to accurately measure both dimensions so your quote and treatment is appropriate for the actual area you want treated. (Remember, we will treat the distance ORDERED even if it doesn't match what is marked when our truck arrives.)

Second, you are responsible for marking your start and stop points clearly with flags or other visible markers. (Marker flags can be found at your local hardware store).

Third, you are responsible for getting the designated area prepared by having it graded. Watering your road is also helpful. If the county/township/road dept. will be grading and/or watering, you are responsible for requesting this prep. We will advise the county of who has registered to coordinate scheduling for prep, but the request to the county, township, or special roads district needs to come from you, the resident.

If Road Maintenance does not/cannot do all or part of the preparation work, or if you are on a private road, you may need to hire someone to do all or part of the preparation work. Ideally, your road should be graded & watered (watering is optional) within a 24-36 hr period prior to the dust control being applied. If a greater time passes between prep and treatment, this is acceptable so long as the road prep has remained intact. We just want to ensure the road is as smooth as possible when we spray.

What will happen if my road is not graded or watered prior to treatment?

Depending on the condition of your road, it can make a little difference or a big difference. The smoother the road is when treatment is applied, the more evenly and deeply the product will absorb into the aggregate and the longer it will last.

Not grading to smooth out the road can limit the effectiveness of the product and severely shorten the life span of the dust control treatment, especially if there are divots, potholes or similar unevenness.

Not watering the road can slow the absorption process, especially in very dry conditions; but if there is enough moisture already in the ground from rainfall, pre-wetting may not always be critical. Some counties do not pre-wet roads before we apply dust control. You will need to discuss this with your county, township, or special roads district if you have concerns.

How many feet of road should I treat?

We do require a minimum continuous spray length of 300 feet, but you may need to treat more depending on how much road frontage you want to control the dust on.

Property owners who live on the same road will sometimes join together to form a group and treat longer distances on one registration form. For instance, if you have 200' of frontage and your neighbor has an additional 200', you may combine your registration so that the minimum requirement is met.

If you are able to form a group of property owners on your road, please appoint one person to be your group spokesperson and our contact person to help coordinate preparation work,

scheduling of a delivery date, collection of all monies and making payment to Scotwood.

How much does it cost? How do I sign up?

Please email bross@scotwoodindustries.com or call us for a quote prior to sending in your application and payment. The width of your road (or the width you want treated) will determine your running foot price and the running foot length will determine your total cost. We do add tax, as required, and the Grand Total we quote will include said tax.

Please also note, payment and registration must be received before the deadline on your quote to guarantee your placement on a truck for dust control treatment. If received after the deadline, you will be placed on a waiting list. If we still have availability on a truck going to your area, we will notify you and process payment as normal. If we do not have availability, we will return your payment to you. The best way to make sure you get a spot on the truck is to send your payment and registration well before the stated deadline.



When should I expect delivery?

Our goal is to apply your dust control as early as we are able. Historically, treatment of roads begins in the first part of June. We will arrange and schedule treatments in each area as early as possible. Your treatment will be scheduled according to your county's requested notice for preparation, spray truck availability, and weather conditions.

As each area's registration ends, we will begin building the individual trucks for each area. Once we have your property scheduled, we will set a tentative date for treatment. One to several days prior to our arrival, we will contact you via text, email or phone to advise you of the actual schedule.

Although we do our best to schedule around forecasted "weather", rain CAN delay us at the "last minute". We don't want to spray when there is standing or running water on the surface we are treating. In this case, we will apply at the earliest opportunity after the roads become "sprayable". Or we will contact you again to update you on the schedule.

The ground being damp/moist IS a big plus for product absorption, but standing or running water would carry the product OFF the road surface in the water before it's had a chance to absorb into the road. In this case, we will need to hold the truck for better conditions.