

**Arena Rx®****Clean Air For Horse & Rider**

FREQUENTLY ASKED QUESTIONS

What is Arena Rx®?

Arena Rx® is a synthetic organic dust control fluid produced by a patented HT purity process. Arena Rx® is a non-toxic material, safe for horse and human.

Is Arena Rx® proven to be safe for horses, humans and the environment?

YES --- Arena Rx® is a safe, colorless, odorless, highly refined fluid. When used as directed, Arena Rx® has no adverse health effects on horses, animals, and humans. Beyond normal hygiene, no special precautions are required. Arena Rx® is not a controlled substance under OSHA or WHMIS and has no exposure limits. Extensive acute and chronic toxicity testing data conclusively shows that Arena Rx® does not induce a toxic reaction when it is exposed to skin, eyes or lungs and does not pose a mutagenicity hazard. Arena Rx® is also biodegradable. Rigorous quality assurance control at every stage of the manufacturing process ensures the consistency of Arena Rx®.

How do I apply Arena Rx®?

Arena Rx® is easy to apply. There is no mixing required. It is easily sprayed onto the footing using your own or locally rented fertilizer sprayer. In fact, any spray system which will spray water, with the exception of a sprinkler, will spray Arena Rx®. Clean up is easily accomplished with soap and water. The volume of Arena Rx® to be applied is divided into two increments. The first half of the product is sprayed onto the footing surface. We recommend that that be gently harrowed into the footing. Then the second increment of Arena Rx® is applied to the footing surface. It is recommended that this be gently harrowed into the surface as well.

How long does Arena Rx® last?

Arena Rx® permanently loads footing particles through processes of adsorption and absorption but there exist many variables that influence product effectiveness and longevity. For one, there is a significant number of aggregate and footing types, along with other chemical and mechanical variables such as material strength, permeability, particle size distribution, footing depth, climate, arena maintenance and amount and type of riding. We are currently realizing initial applications on varying footings lasting between 6-14 months before a light maintenance application is required. These light maintenance applications are required if new untreated footing is added or when footing material breaks down into smaller particles requiring additional Arena Rx® to treat the increased surface area of the smaller particles.

What determines how much Arena Rx® I will need?

Because Arena Rx® is designed to impregnate and/or coat every particle of footing, the volume of Arena Rx® needed is determined by the type of footing material and a theoretically calculated count of all of the particles in the footing. If you will refer to the "footings story" contained in our Articles and News section on our website, look at the difference in materials and sizes that are typically found in footing, from very coarse to very fine. We calculate the percent of each of these different sizes in the footing and determine the theoretical number of total particles to be treated. We then apply our formula to that total number of particles to determine the volume of Arena Rx® needed. In addition to the sizing and/or number of particles, the other factor is the porosity or absorbency of the footing material. Degraded organic matter is more absorbent than coarse washed sand for instance. This is why we recommend a footing analysis be conducted to aid us in our recommendation.

What does particle size have to do with footing?

Dust is that portion of footing that is fine or super fine particles. To control these fine and super fine particles we have to estimate how many particles are in the footing. As footing degrades, the particle count grows exponentially and increases the volume of Arena Rx® that we recommend. To demonstrate how many particles may be in an arena, consider the following: In an arena 200' x 100' x 3" depth, if every particle were 1/8" in size, these would be 4,690,000,000 particles (4.69 Billion) if every particles were .0029" (-200 mesh) there would be 376,000,000,000 (376,000 billion) particles. The number is less important than the dramatic relative difference.

Why do you recommend harrowing the footing?

We recommend harrowing the footing either daily, weekly or periodically, because the activity occurring at the surface of the footing results in further pulverization or degrading of the footing material, creating smaller particles, which becomes potential dust. Harrowing mixes the fine in with the larger coarser materials in the footing and they agglomerate with the coarser particles. In addition, over time, Arena Rx® will tend to migrate deeper into the footing and by harrowing and bringing the bottom section to the surface, and blending the footing materials, we are recycling the Arena Rx® that is in the footing at the lower level in addition to attaching the microfine to coarser material.

I do not have a harrow but use a link fence type drag. Is this okay to use rather than a harrow?

A drag only effects the surface and does not turn and blend the footing to its full depth. Because of this a drag does not replace a harrow nor does it accomplish what is needed. In fact, since a drag is only causing activity at the surface where new pulverized fines are, it can create dust.

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FREQUENTLY ASKED QUESTIONS - cont.

How much Arena Rx® will be needed for a maintenance application and how often will maintenance applications need to be made?

Maintenance applications are necessitated by the continual process of pulverization of footing and the creation of additional microfines, which become the source of dust. All of the Arena Rx® previously applied remains in the footing, but because the number of particles are increasing; there is a need for additional Arena Rx. We recommend that you consider having one or two barrels of Arena Rx® on hand, so that in the extremely high traffic areas, for instance at the entrance into the arena, you are able to do maintenance applications with a 2 1/2-gallon hand sprayer. The maintenance application for the whole arena will depend on the amount of activity and the footing quality. Generally a maintenance application will be needed within six (6) to fourteen (14) months of the initial application and the maintenance application can be anywhere from 1/4 to 1/3 of the amount of the initial application. On arenas with high quality new footing, a maintenance application may not be needed for eight (8) and fourteen (14) months. On a good, coarse sand footing, a maintenance application may not be needed for twelve (12) months. On an arena with a high percentage of microfines and/or organic matter, a maintenance application may be needed within the first six (6) to eight (8) months.

What should I do if I find that my footing is badly degraded?

When we find footing that is badly degraded with an extremely high percent of fine and a lot of organic matters, we often recommend that the footing be amended by the addition of 50 percent washed coarse sand before use of ArenaRX. In certain instances we may even have to recommend that the most economical and realistic approach for the arena is to replace 100 percent of the footing. As part of our footing analysis, we will recommend such actions, if we deem it in your best interest.

Will Arena Rx® work on rubber footing?

Yes, but because of the wide range of items that are being shredded and used as rubber footing, we always suggest that we test the rubber footing before the addition of Arena Rx®.

Do you recommend rubber?

No, we do not recommend rubber generally. The reason for this is that we see so many different types of rubber used and which all act quite differently in footing and create their own set of unexpected problems, particularly associated with controlling dust. We would suggest that if an Arena Rx® customer is anticipating adding rubber, a sample of the rubber to be added be sent to us for our comments and recommendations regarding on how it will affect the footing dust using Arena Rx®. In this way unexpected and unsolvable problems can be eliminated. The range of items that are being shredded and used as rubber footing is so wide and so diverse, that we urge caution in using many of these materials.

I am thinking of adding rubber to my footing, when should I do it if I am going to use Arena Rx®?

Our recommendation is to apply the Arena Rx® to the footing and allow it to mature in the footing for a period of at least two (2) weeks. The Arena Rx® migrates in and through the footing particles and coats and impregnates each particle of footing. We do not recommend adding rubber to footing that has been treated with Arena Rx® until this process of maturation is complete.

How does Arena Rx® work?

Arena Rx® is applied and harrowed into the footing and given approximately two (2) weeks to coat and impregnate every footing particle. However, you are able to use the arena immediately. As the footing is conditioned with Arena Rx®, you will notice that the dark, almost wet look that existed immediately upon application will, over a period of week change to a lighter, dryer look. It is in this process of visible change that you know the Arena Rx® is working its way through and into all of the particles. The Arena Rx approach to controlling dust is consistent with sound footing principles. The footing remains completely free and is able to be kicked into the air with each stride of the horse, and as the footing particles become airborne, by design they fall back to the arena floor and remain within the footing rather than blowing or drifting as dust.

Will I still need to water my arena?

NO --- Arena Rx® eliminates the need to use water.

Will Arena Rx® freeze in my footing during cold, winter weather?

No --- Arena Rx® will not freeze even at -40 degrees F. Therefore it is ideal in cold climates where there exists concerns of temperatures affecting the ability to have dust control.

Will Arena Rx® change the appearance of my footing?

Arena Rx® will make the color of the footing material a richer color and footing conditioned with Arena Rx® can be distinguished from untreated footing.

In what size containers is Arena Rx® available in?

Arena Rx® is available in 5 gallon test kits, 55 gallon drums and 275 gallon pallet tanks.

How soon will my order be shipped?

Orders are fulfilled and shipped within 24-48 hours upon receipt. They are shipped by common carrier and usually arrive within one week of placement depending upon geographical location.

Your Dust Control & Application Consultant:

STEPHANIE MAREK

E-Mail: smarek@midwestind.com

If you are interested in becoming an Arena Rx® dust consultant and application specialist, contact us today!