

Frequently Asked Questions A.D.I.O.S.TM

Since A.D.I.O.S.TM is a salt-based product won't it damage my soil or waterways?

Since the introduction of A.D.I.O.S.TM one of the most commonly asked questions is on the effect of A.D.I.O.S.TM on soil and water. This was a question raised by PMRA (Pest Management Regulatory Agency, Health Canada). In their document PEDD2006-01 they concluded that A.D.I.O.S.TM posed a low risk of NaCl contamination to soil and water. A.D.I.O.S.TM was compared to the toxic effect of road salt on soil and water; and was found to introduce **43 times LESS NaCl** than road salt on an annual basis.

One of the most salient facts about using A.D.I.O.S.TM is how it is introduced into the environment. This fact is critical in explaining on its impact on soils and water. Unlike road salt and synthetic fertilizers which are applied in a solid form, A.D.I.O.S.TM is mixed with water for application. This creates two ions, Na⁺ and Cl⁻. Because the sodium chloride is in ionic form, water can wash any excess away within hours after application. (Primula Environment May 27, 2013). Another factor limiting the impact of A.D.I.O.S.TM is the concentration (12%) and the number of applications /year (1-2). Finally A.D.I.O.S.TM, when applied properly, has levels that are **two and one half times (2.5) LOWER** than the levels recommended by Environmental Protection Guidelines.

Preparation Considerations

How should I mix A.D.I.O.S.TM ?

Always read the label before beginning. It is best to prepare the A.D.I.O.S.TM solution in batches. For spot spraying, prepare in a 20-litre water jug with a spigot. Add 2.4kg of A.D.I.O.S.TM to the jug. Fill the jug half way with water. Replace spigot and shake vigorously. Add the remaining 10 litres of water; replace the spigot and shake again. Fill sprayer with the A.D.I.O.S.TM solution. On subsequent fills, shake up the 20-litre jug prior to filling the sprayer.

Application Considerations

What setting should the nozzle be set?

It depends on what you are spraying. Plants with a waxy leaf surface, such as dandelions and thistle are best treated with a coarse spray setting; whereas clover requires a finer setting. When in doubt, refer to the application instructions.

What shouldn't be treated?

A.D.I.O.S.TM is a selective broadleaf and grassy weed herbicide but it is always best to test the product on a small-unnoticed area to be sure. This is especially true if you are spraying weeds in a garden.

When should I spray?

The label offers direction. You should spray under the following conditions for optimal results:

- ✓ *Temperature: between 18-24 C*
- ✓ *Sunny: although will work on overcast days*
- ✓ *For lawns: just after mowing*
- ✓ *A.D.I.O.S.TM can be applied 1 hour **after** rainfall but do not use if rain is forecast within 24 hours after spraying.*

When should I see results?

Some results will show within hours if conditions are optimal. Otherwise you should see major impact within 24-48 hr after treatment.

Storage Considerations

Should A.D.I.O.S.TM be left in the sprayer?

If the product solution is to be left in the sprayer for an extended period (e.g. more than 2 days), it is best to pour the solution back into a jug. Rinse out the sprayer; fill 1/3 of the sprayer with clean water, pressurize and spray to clean out the spray nozzle.

How long can I keep the solution once it is mixed? Can it be left outside during the winter?

A.D.I.O.S.TM can be kept for many years without affecting its performance. It can be stored outdoors all year long, even in winter.

Safety Considerations

How can I be sure that A.D.I.O.S.TM is safe for my family and my neighbors' health?

Listed as a low impact product, A.D.I.O.S.TM cannot affect human health during or after its application. Even when used on a long term basis, this 100% natural eco-friendly domestic herbicide will do no harm.

Can I use A.D.I.O.S.TM on my property if I have pets?

A.D.I.O.S.TM is totally safe for your pets and is non toxic for wild animals or birds, even if ingested!

What about the environmental impact of this product?

OMRI listed, A.D.I.O.S.TM has no residual soil activity and will not affect nearby non-target vegetation. This product can be used near fresh water wells, lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs, ditches, and wetlands.

Can I use it safely to control weeds in my garden?

A.D.I.O.S.TM can be used on target plants in your garden without affecting the quality of your harvest!

Will A.D.I.O.S.TM burn my grass?

A.D.I.O.S.TM will not burn (kill) grass like excess nitrogen or horticultural vinegar. However it may brown the grass around the sprayed area. This browning will disappear in 7 to 14 days.

Can A.D.I.O.S.TM be used to eliminate weeds on my lawn without destroying it?

Unlike non-selective herbicide, A.D.I.O.S.TM will selectively control annual and perennial broadleaf and grassy weeds only. This all natural solution does not have any effect on the roots of perennial grasses and will never destroy your lawn. However, the foliage of some Graminae species, especially during drought periods, can be temporarily affected if sprayed directly. For example, the color of the lawn can fade a little for a few days but will gradually return to the same color again. Foliage that does not receive the spray application will not be affected. Avoid using this product on a lawn grown of clover or other ornamental annual broad leaves species - unless of course you want to get rid of them.

Can A.D.I.O.S.TM be used next to bushes and ornamental plants?

The solution will never harm the roots of surrounding vegetation. However the foliage of ornamental plants that are accidentally sprayed may be affected temporarily. You might want to consider using an umbrella or a plastic-coated cloth to protect them from any mist or splash.