

FREQUENTLY ASKED QUESTIONS: *Below is a list of common questions, facts and information on Avenger Weed Killer and other alternatives.*

What are the ingredients in Avenger Weed Killer?

Avenger Weed Killer's patented RTU and concentrate formulas, are made up of water and d-limonene. The remaining ingredients are proprietary non-toxic and safe surfactants to help dissolve the d-limonene in water.

Where does d-limonene come from?

When citrus is squeezed for juice, a layer of oil remains on top of the juice. The citrus rind is then squeezed further to remove any remaining oil in the citrus skin. That oil is citrus oil which contains primarily d-limonene.

How soon can pets and children go into sprayed areas?

As soon as the spray dries. Remember, as long as the weed remains wet children and pets may inadvertently transfer the product to desirable foliage and possibly affect that foliage. Also, rest easy that your pets and children won't track Avenger Weed Killer into the house as it dissipates into the atmosphere quickly.

How fast will I see results?

Avenger Weed Killer is extremely fast acting. Effects will be seen within one day, often within an hour.

What weeds are most responsive to Avenger Weed Killer?

The active ingredient, d-limonene is a strong degreasing agent which essentially dissolves the waxy cuticle of the plant. Thus, plants with thinner cuticles are most responsive to Avenger Weed Killer. Younger and smaller weeds that are growing quickly will be easier to kill than mature, hardened off weeds. Also, weeds in a humid environment will have thinner cuticles than those same plants in dry conditions.

Do other environmental conditions affect Avenger Weed Killer quick results?

Yes! Avenger Weed Killer works fastest in warm, humid conditions.

Does it have to be hot or sunny for the Avenger Weed Killer to work?

No! Whereas the "natural" acetic acid, citric acid or soap products require warmth and sun, Avenger Weed Killer will work under cool (down to 40° F) and overcast conditions.

How does rain effect Avenger Weed Killer?

Do not spray Avenger Weed Killer in the rain or if rain is expected within one hour. The rain can wash the product off the plant leaf surface reducing the product's efficacy.

Does Avenger Weed Killer kill the roots?

It depends on the depth of root system. Avenger Weed Killer works by dissolving the weed's leaf cuticle which in turn dries the plant and kills it. If the weed has a shallow root system such

as annual weeds, killing the tops can kill the roots. If the weed (for example, a perennial weed like a dandelion) has a deep tap root removing the top growth will not immediately kill the root. Additional applications may be necessary. Since all the plant's energy comes from the sun, eventually the root will die. In any case, whenever possible spray weeds when they are small.

How does it compare with Roundup®?

Roundup is made with a synthetic chemical called glyphosate. Avenger Weed Killer is made with ingredients from nature. Roundup typically takes 7 to 14 days to get a response; Avenger Weed Killer acts much faster. In other words, Avenger Weed Killer is organic and much faster acting.

Why is Avenger Weed Killer more expensive than Roundup?

Roundup is a synthetic chemical that is made in huge quantities. The citrus oil and d-limonene must be grown.

What is the reentry interval after spraying?

For all non-agricultural situations (homeowner, landscaper, municipality, etc.), there is no reentry interval, but we recommend staying out until it's dried. It is a herbicide and we don't want to unintentionally spread Avenger Weed Killer to desirable plants. For agricultural use, Avenger Weed Killer has the minimum allowed re-entry interval which is 4 hours.

Is Avenger Weed Killer listed by OMRI (Organic Materials Research Institute)?

YES! OMRI is an internationally known organization which is a clearing house for organic products. Even though Avenger Weed Killer is recognized under the USDA NOP for organic use, organic farmers still require clearance by OMRI (or a comparable group).

In fact Avenger Weed Killer is EPA registered (RTU #82052-3 and Concentrate #82052-1), Approved for use in organic production by the USDA NOP and is OMRI Listed. **NO OTHER WEED KILLER CAN BOAST ALL THREE.**

KEY BENEFITS:

- **Tested and EPA Registered & Approved**
- **Faster Acting and More Effective than Roundup®**
- **Out Performs Other “Natural” Products - Hands Down!**
- **Highly Biodegradable, Non-toxic, Organic Formula**
- **Proven Child, Pet, Wildlife & Environment Safe**

- **Fresh, Clean Citrus Aroma**
- **Great for Lawn Edging**
- **The active ingredient (citrus oil, d-limonene) is a natural product.**
- **Avenger is primarily citrus oil (d-limonene is the primary ingredient in citrus oil), water and proprietary ingredients.**
- **Avenger has been classified “organic” under the USDA National Organics Program.**
- **Citrus oil (d-limonene) is a safe and effective degreasing agent that is found in soaps, detergents and commercial cleaners. It is this degreasing property that makes it such an excellent herbicide. All plants are covered with a waxy layer and the citrus oil essentially melts that wax. As a result, when sprayed with Avenger weeds dry out and die.**
- **D-limonene is found naturally in more than 300 herbs and other edible plants. It is commonly used as a flavoring agent, deodorizers, shampoos and mouthwash.**
- **Since all plants have a waxy cuticle, Nature’s Avenger is non-selective and is effective on all weeds.**
- **Avenger is extremely fast acting. After spraying Avenger, response is typically seen within a day, sometimes in less than an hour.**
- **There is no other product like it.**