



CONTROLLING PESTS WITH AZATROL

Azatrol:

Azatrol is ecofriendly: you are doing mankind, the planet, and your plants a favor. Azatrol is OMRI certified, 100% organic, and it does not contain neem oil, neem bitters, and does not affect taste, aroma, or color. It works on bugs such as mites, aphids, root aphids, thrips, fungus gnats, caterpillars, beetles, etc.

After ingesting Azatrol an insect can't feed because they feel full all the time. The insects cannot shed their skin to molt, and they can't form a pupae. Ultimately the insects end up becoming paralyzed and dying. After feeding on a plant that has been treated with Azatrol, a female insect can't lay any eggs. Because of the way Azatrol works, insects don't gain resistance. Azatrol is a growth inhibitor, a reproductive inhibitor and it works to interrupt an insect's brain and neurotransmitters. If insects do make it to adulthood, they are going to be super messed up and not able to do much harm.

The active ingredient is:

Azadirachtin

Foliar with Azatrol:

In the beginning Spray once and then again 4-5 days later. After control is established continue to spray every other week.

In the fruiting stage if you are spraying plants that are indoors you need to worry about mold, outside mold is less of a problem, because the plants dry out quicker. (When spraying indoors it is recommended to use a wetting agent, such as **Coco-Wet**. We also recommend turning the lights off for a 3 hour period during your plants day time photoperiod, and turning on all fans to facilitate them drying out.) You can spray up to the first 4 weeks into the fruiting/flowering stage. After that point, you must take extreme precautions to avoid mold.

Quart size foliar application: In a Quart of water (32 ounces), mix 3 tsp of Azatrol and a few drops of wetting agent with distilled or RO water. Shake and apply. Wait 5 days and reapply by increasing dose to 4.5 tsp of Azatrol with wetting agent and water. If spraying indoors we recommend raising the lights or spraying while the lights are off (for at least a 3 hour period.) Outdoors spray either early in the morning or at dusk. For best results use within 24 hours.

Gallon size foliar application: In a Gallon, mix 2 oz Azatrol + a wetting agent with RO water. Shake and apply. Wait 4-5 days and then re-apply with a stronger solution of 3 oz./Gal + a wetting agent with RO water. If spraying indoors we recommend raising the lights or spraying while the lights are off (For at least a 3 hour period.) Outdoors spray either early in the morning or at dusk. For best results use within 24 hours.

Reservoir / Root Zone Application:

Start with 1-2 gallons of Reverse Osmosis (purified) water and add Azatrol (1-2 oz for every 20 gallons in the reservoir) mix it well inside the bucket, and then add the concentrated solution to the reservoir. Mix into your reservoir. Example: In a 20 gallon reservoir you would mix 1-2 oz of Azatrol in a separate container of 1-2 gallons of water and then add that concentrate into the reservoir. Mix well into your reservoir.

Use every week hydro or soil (1-2 oz to 20 gallons) and then after control is established, maybe every other week as a preventative. We recommend using with Patrol for an even more lethal combination.

In the reservoir, Azatrol may raise the ppms by 100-200 ppms. Azatrol is all OMRI organic stuff and it is not a fertilizer so it's not that big of a deal if the ppms are raised. Adjust if necessary - Every garden is different. *Note: When adding Azatrol to water or a reservoir it will turn the water a milky-white color. It may also create a froth or foam, this is normal.*

Cuttings:

To protect plant tissue from the very beginning, dunk cuttings in the same solution you mix for the reservoir (1 oz to 10 gallons.) Mix 1 oz into one Gallon of water, and then pour this concentrate into 10 Gallons of Reverse Osmosis water which you will be dunking your fresh "rooted" cuttings in.

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CONTROLLING PESTS WITH AZAMAX

AzaMax is a natural product with a broad spectrum of pest control and broad plant applications. **AzaMax** is made from special Azadirachtin Technical extracted using patented extraction technology from Neem, a tree known for its innumerable benefits. **AzaMax** contains Azadirachtin A&B as active ingredients and more than 100 limonoids from its special technology. The special feature of **AzaMax** is that it does not use hard chemical solvents and uses food grade formulation ingredients. **AzaMax** is licensed in all 50 states.

AzaMax is an antifeedant and insect growth regulator and controls pests through starvation and growth disruption. **AzaMax** effectively controls spider mites, thrips, fungus gnats, aphids, whiteflies, leaf miners, worms, beetles, leafhoppers, scales, mealy bugs, nematodes and other soil borne pests. Best of all, **AzaMax** can be applied up to the time or day of harvest. The product is exempted from residue tolerance, thus there is no harmful residue on veggies, fruits, herbs and flowers etc. Truly, **AzaMax** is a product of Nature in tune with Technology.

Foliar for Application:

The idea is to foliar spray your plants a few times within a week. Hit the mites hard and fast, and repeat this process again when they are most vulnerable. *Use all of Spray within 24hrs.* It doesn't keep longer than that.

AzaMaxTM controls target pests on contact or by ingestion. The product acts on pests by way of repellence, anti-feedance, and interference with the molting process. Azadirachtin, an insect growth regulator (IGR), mimics the pests' hormones and disrupts distinct stages of growth and development of insects and mites. The primary mode of action of azadirachtin is an interference with synthesis and metabolism of ecdysone and the juvenile hormone. Ecdysone is the molting hormone of insects, and azadirachtin can regulate growth leading to death before or during molting. *Make sure to spray with a P95 or better grade Mask to protect against possibly harmful inhalation.*

Foliar Application:

Mix AzaMax at a rate of 1-4 TableSpoons / Gallon. Add a few srops of a wetting agent like coco-wet, shake and apply.

VERY IMPORTANT - Make sure to Spray again 4-5 days after first application to kill all newly hatched eggs before they mate again.

Root Zone Drench Applications:

Use **AzaMax**TM as a soil drench for effective control of soil-borne insect larvae, including soil-borne larvae of foliar pests, such as fungus gnats, nematodes, or soil borne thrips. When applying as a drench, avoid excessive leaching.

Preventive applications as a soil drench may be warranted for certain pests. Soil drench applications of azadirachtin will have a slower rate of activity because of soil absorption when compared to foliar applications of **AzaMax**TM. Target the initial application of a soil drench treatment to coincide with the early stages of young larvae.

Instructions for Root Zone Reservoir Application:

1-2 TableSpoons/Gal. Apply every other week until problem is treated. Can control Fungus gnat larvae and root aphid larvae.

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