

Cannabis Program



Propagation

Dunk cuttings into **ZeroTol® 2.0** solution prepared at 15 mL per gallon for 45 seconds to disinfect. Allow to air dry. We recommend taking clones on Tuesdays.

Drench media with **ZeroTol 2.0** at 15 mL per gallon to “clean” the media. Prepare **TerraGrow®** solution at 3 oz. per 10 gallons. Check solution pH and buffer as needed. Wait at least 15 minutes then dunk media into **TerraGrow** solution prior to stick. Add rooting hormone to cuttings and stick.

Spray the tops of the blocks and the clones every 3 days with **ZeroTol 2.0** at 15 mL/gallon to mitigate algae growth and reduce damping off and foliar pathogen occurrence. **Over saturation can cause TerraGrow to become unviable. Do not soak the propagation media. A light misting over the cuttings is ideal.**

TerraGrow

Vegetative and Flower Application: Apply **TerraGrow** as a drench once weekly at 0.5 to 1.0 gram per gallon when growing in rockwool or coco-type media. **TerraGrow** can be drenched along with fertilizers. Mix to use solution within 24 hours. If growing in soil, then drench **TerraGrow** at 4 to 6 oz. per 100 gallons every 3 weeks.

Vegetative: Weeks 1 & 2

Monday: **AzaGuard®** at 4 mL per gallon + **ZeroTol 2.0** at 15 mL per gallon + **OxiPhos®** at 15 mL per gallon. Spray for contact of entire shoot, and leaves and stems down to media. Use 1 to 1 gallons of solution per 400 sq. ft.

Tuesday: Cloning and plant work.

Wednesday: Week 1: Spray **BioCeres WP®** at 9 grams per 2 gallons per 400 sq. ft. **Week 2:** Spray a microbial biofungicide of your choice* along with 9 grams of **BioCeres WP** per 2 gallons of water per 400 sq. ft.

Thursday: Plant work and scouting.

Friday: Rotation of soap, sulfur and citric acid, as needed.

Saturday: Plant work and log progress.

Sunday: Leave plants be.

Vegetative: Week 3

Monday: **AzaGuard** at 4 mL per gallon. Spray for contact of entire shoot, and leaves and stems down to media. Use 2 gallons of solution per 400 sq. ft.

Tuesday: Cloning and plant work.

Wednesday: Spray **BioCeres WP** at 9 grams

per 2 gallons per 400 sq. ft.

Thursday: Plant work and scouting.

Friday: Rotation of soap, sulfur and citric acid, as needed.

Saturday: Plant work and log progress.

Sunday: Leave plants be.

Vegetative: Week 4

Monday: **AzaGuard** at 4 mL per gallon + **ZeroTol 2.0** at 30 mL per gallon + **OxiPhos** at 30 mL per gallon. Spray for contact of entire shoot, and leaves and stems down to media. Use 2 gallons of solution per 400 sq. ft.

Tuesday: Cloning and plant work.

Wednesday: Spray a microbial biofungicide of your choice* along with **BioCeres** per 2 gallons of water per 400 sq. ft.

Thursday: Plant work and scouting.

Friday: Rotation of soap, sulfur and citric acid, as needed.

Saturday: Plant work and log progress.

Sunday: Leave plants be.

Flower: Weeks 1 & 2

Monday: **AzaGuard** at 4 mL per gallon +

ZeroTol 2.0 at 30 mL per gallon + **OxiPhos** at 30 mL per gallon. Spray for contact of entire shoot. Leaves and stems down to media. Use 2 gallons of solution per 400 sq. ft.

Tuesday: Cloning and plant work.

Wednesday: Spray Cease + PFR-97.

Thursday: Plant work and scouting.

Friday: Rotation of soap, sulfur and citric acid, as needed.

Saturday: Plant work and log progress.

Sunday: Leave plants be.

Flower: Weeks 3 & 5

- **ZeroTol 2.0** at 37 mL/gallon. Use 2 gallons of solution per 400 sq. ft. Use nonionic wetting agent with **ZeroTol 2.0** to help make contact within bud. Spray for contact of entire shoot, and leaves and stems down to media.
- Follow up **ZeroTol 2.0** application with a microbial biofungicide of your choice* as soon as possible to protect against botrytis. You only need 1-hour after **ZeroTol 2.0** spray to apply microbial biofungicides. Spray for contact of entire shoot. Leaves and stems down to media.

Crop Protection Notes

- When treating root aphids and an **AzaGuard** drench is required: 11.5 mL **AzaGuard** + 3,774 mL water = 1 gallon finished solution. Drench 1 pint of finished solution for every 1 gallon of media in the pot. Thoroughly wet media with solution to limit runoff or drip.
- You can continue **AzaGuard** and **BioCeres** usage in flower weeks 3 through 6, as needed.
- Always spray **BioCeres** and microbial biofungicides separately from **ZeroTol 2.0**.
- Never use a surfactant when tank mixing **ZeroTol 2.0** and **AzaGuard**.
- Spray crop protection products, if possible, when lights are off.
- Always follow your state regulations for approved pesticide applications on cannabis.
- **Do not use RO water for foliar sprays.**

Flower: Weeks 7 & 8

- **ZeroTol 2.0** at 37 mL/gallon. Use 4 gallons of solution per 400 sq. ft. Use non-ionic wetting agent with **ZeroTol 2.0** to help make contact within bud. Spray for contact of entire shoot, and leaves and stems down to media. This spray volume is intended to reduce bacteria and fungal contaminants prior to harvest.

Notes on Week 3-8:

- During weeks 3–8 (or until crop finishes introduce beneficial insects. If relative humidity is low and rooms are warm introduce Californicus, Swirskii and Persimilis. If rooms are cool and relative humidity is 50% to 60% introduce Fallacis, Cucumeris and Persimilis. Andersoni can be introduced in varying relative humidity but should only be released preventatively. For aphid management, release green lacewing and *Aphidius colemani*. Nematodes will control fungus gnats and thrips in the soil. Water in nematodes monthly.

Clean Chemistry. Clean Crops.

1.888.273.3088 | biosafesystems.com

AzaGuard®, BioCeres®, TerraGrow®, ZeroTol® 2.0 and OxiPhos® are registered trademarks of BioSafe Systems, LLC.

Always read and follow label directions. *Check with your local BioSafe Systems sales representative for mix rates and compatibility.

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Cannabis is not a federally approved crop. Please consult your state's regulations for use of this product.