

AgroThrive liquid organic bio-fertilizers can be applied using a variety of application methods. Below are instructions for the most popular methods. Please note that factors such as weather, soil, and plant species may require alterations to these recommendations. Our strongest recommendation is to educate yourself on what you are growing and "read" your plants. Ultimately, it's up to you, the grower, to determine the best fertilization strategy for your unique situation...And that's the fun part!

GENERAL DILUTION



Throughout this instructional guide, we reference "dilution" with each of these application methods. The dilution specifies how much AgroThrive is mixed with plain water.

Key

1. Use ounces to measure dilution (128 ounces in a gallon).
2. Recommended: 3% dilution for AgroThrive when fertilizing mature plants
3. Recommended: 1.5% dilution for AgroThrive when fertilizing starter plants

Formula for mature plant dilution: _____ oz of water X 0.03 = _____ oz of AgroThrive

Formula for starter plant dilution: _____ oz of water X 0.015 = _____ oz of AgroThrive

ex: 128 oz of water x 0.03 = 3.84 oz (4 oz) of AgroThrive should be mixed into 128 oz of water

WATERING CAN



Dilution:

- **Mature Plants:** Dilute 4oz of AgroThrive per gallon of water
- **Starter Plants:** Dilute 2oz of AgroThrive per gallon of water
- **Seedlings:** Dilute 1 oz of AgroThrive per gallon of water

Tips: Dilute fertilizer per instructions above, then drench the soil around the base of the plant until 2 inches deep of soil is saturated with solution. For plants or trees with deeper root structures, follow up with plain water to further drive the fertilizer down to the root zone. Water regularly between applications of AgroThrive.

How Often to Apply

Mature Plants: Once every 1-2 weeks
Starter Plants: Once per week
Seedlings: Once every 2 days

Water as needed in between applications. Make adjustments to your feeding schedule as you see fit.

When to Apply

For best results, fertilize during low light hours.

Avoid Burn & Deficiency

Possible Signs of Plant Burn:
 Yellowing / browning of leaves
 Leaves twisting or curling
 Branches drooping

Possible Signs of Nutrient Deficiency:
 Yellowing of leaves
 Dry or brittle leaves
 Stunted plant growth

HOSE END SPRAYER

Dilution & Instructions For Use



- **Mature, Starter, & Seed:** Fill the hose-end sprayer bottle with 50% AgroThrive and 50% water. Adjust the dial to 8oz if you are applying to mature plants. For best results, apply directly to the base of the plant for 5 seconds or until 2 inches of the soil depth is saturated.

Tips: Organic fertilizers are naturally thicker in viscosity than conventional solutions. Because of this, we recommend diluting AgroThrive *first* and then putting the diluted solution through the hose end sprayer system.

PUMP SPRAYER

Dilution:

- **Mature Plants:** Dilute 4oz of AgroThrive, per gallon of water
- **Starter Plants:** Dilute 2oz of AgroThrive per gallon of water
- **Seedlings & Foliar:** Dilute 1oz of AgroThrive per gallon of water

Tips: Dilute per instructions above, then drench the soil around the base of the plant until 1-2 inches of soil depth is saturated with solution. AgroThrive is also safe to apply via foliar application.



DRIP IRRIGATION

Irrigation cycle: Divide irrigation cycle into 3 equal periods.

(Step 1) Run water **(Step 2)** Run AgroThrive **(Step 3)** Run water

Dilution: For drip irrigation hose, add 50/50 diluted AgroThrive product to the header pipe.

- **Mature Plants:** 6oz/100sqft
- **Starter Plants:** 3oz/100sqft
- **Seedlings/Transplants:** 1.5oz/100sqft

Tips: Apply every 1-2 weeks. For sensitive plants, apply every three weeks. For soil recently treated with other products, start with a lower dilution ratio to avoid nutrient burn. Adjust feeding cycle as needed.



HYDROPONICS

Dilution & Instructions For Use:

Introduce AgroThrive products gradually to give microbes a chance to establish growth on the support medium. Add soil, rocks, coco coir, or another support medium to give the roots somewhere to go besides floating in water. Then start with less than 1% AgroThrive product and gradually increase the concentration every couple of weeks until you notice phytotoxicity. Then, return to highest safe product dilution.

Tips: Hydroponic systems skip the soil, substitute different materials to support the roots, and grow crops in nutrient-rich water. Hydroponics does not provide enough time for microbes to digest higher molecular weight nutrients needed by plants. A medium is needed to harbor microbes which will prepare the organic fertilizer for plant use.

