

Small Equipment

Product Usage Guide



At AEA, we think differently about agriculture.

1. We believe in empowering life instead of suppressing it.
2. We believe a healthy plant will be more resistant to insects and disease. To start thinking about agriculture differently, we need to use our equipment differently as well.

AEA's regenerative products are unique formulations of naturally-derived minerals.

If not properly handled, these natural products may:

- ⊘ Damage pumps and equipment
- ⊘ Clog sprayer nozzles
- ⊘ Be hard to clean

Mixing Instructions

Read these instructions to avoid any problems when handling our products!

Make sure you agitate, filter, and clean.

1. **Store between 40-80°F and out of direct sunlight.**

2. Venting

- a. Containers may expand during shipping.
- b. Upon receipt, slowly unscrew lids to release pressure.
- c. Rinse the caps so they can self-vent.

NOTE: A biofilm can form on the product's surface. This is normal. Skim it off before agitating. Skimming isn't practical on totes. To remove biofilm, filter with 1/8" mesh after agitating.

3. **IMPORTANT: Agitate** thoroughly before each use to mix material from the bottom.

- a. **To agitate jugs**, shake well for 30 seconds.
- b. **Rejuvenate™ swells rapidly** by ~25% when agitated
 - i. Remove 25% from its container to create room for expansion.

- ii. Use equal parts from original and new container. Recombine for storage.
- iii. **Do not use a pneumatic mixer with Rejuvenate.**

4. Mixing

- a. If using multiple products, mix together in a bucket or other container with added water **before** they go into the spray tank.
- b. Use a high dilution of warm water (minimum 10 parts water).
 - i. Dilute more as needed for coverage according to the recommended rate.
- b. Use no more than 2 gallons of product in a 15-gallon tank.

5. If pesticides are in your tank mix:

- c. Pesticides may burn leaves or cause problems when mixed with our products.
- d. Ensure the pH and EC lie within the range given on the pesticide label.
- e. Always do a jar test before spraying when using non-AEA materials.

6. **Drain and clean** agitation equipment after each use and before it goes into other containers. This will prevent cross-contamination and clogs in your spray system.

Applying Instructions

Ensure the product is agitated, filtered, and suspended in mixture before using.

1. IMPORTANT: Filter

- a. Pour the product through a filter (30-40 mesh) into the spray tank.
- b. Window screen will work as a filter if needed.

2. For Sprayers:

- a. Remove filters from backpack and hand sprayers. Filters clog too easily.
 - i. You may want to use an easily-cleaned inline filter.
- b. Common diaphragm pumps are too weak for some high-density products. Use a very high dilution and more passes to apply.
- c. Larger droplet size is preferred.
- d. We recommend high-volume, low-pressure nozzles like Floodjet™.
- e. When using inoculants, maintain pressure under 40 psi to avoid damaging the microbes.

3. For Drip Tape:

- a. Premix with water in a batch tank prior to injection.
- b. It may help to filter through a 30-40 mesh screen before adding to your batch tank.
- c. Always filter to the smallest orifice size used in your system. Drip systems may require 200-mesh. Fine filters may require more frequent cleaning.
- d. Place the filter in-line before fertigation reaches the drip line.
- e. Inject **immediately** after mixing for best results.

4. Thoroughly **rinse and flush** equipment after application.

- a. Flush drip lines by opening up the ends of each line.



Advancing Eco Agriculture

Questions?

Contact your account manager, agronomist, or our Customer Care Team:

✉ info@advancingecoag.com

☎ 800-495-6603



Product Combination Instructions

Mineral Nutrients

1. Fill the tank halfway with water and start agitation.
2. Add SeaShield™ first, if part of the application.
3. Continue agitating while adding the remaining liquid AEA products, then the rest of the water.
4. Save HoloCal™, Holo-K™, and HoloPhos™ as the last liquid ingredients.
 - a. Do not combine other calcium and phosphorus products in an AEA tank mix without prior jar testing or other assurance of safety and efficacy.

Inoculants

1. Add inoculants after all nutritional materials.
2. Make a slurry with Spectrum™ or other Tainio™ powders by mixing with water in a separate small container.
3. Agitate, allow to hydrate for a minimum of 15 minutes, then add to the tank through a filter.
4. BioCoat Gold™ should NEVER be added to a liquid solution.



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