

# Fertigation

## 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. **For totes**, it's best to use an airwand in the corners, then a tote mixer.
  - i. HoloCal™ and HoloPhos™ may fizz with an air wand. Keep an eye on them.

- b. **There are many other ways** to agitate totes and barrels: clean pneumatic mixer (under 40 psi), paint-mixer electric drill attachment, transfer pump recirculation, trolling motor, even a canoe paddle.

- c. **Avoid pumping undiluted products:** they're abrasive and may damage pumps.

- i. Get products out of totes by raising tote and using gravity.

- d. **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. IMPORTANT: Mix and Filter *before*** products go into the spray tank.

- a. Use a mix tank equipped with recirculation (if necessary, mix in your spray tank).
- b. Add at least half the water to the tank and start recirculation with a coarse in-line filter (15 mesh).
- c. If using multiple products, add them one at a time while recirculating.
- d. Use the manufacturer's minimum suggested filter size and dilute accordingly to achieve flow.

**5. Dilute** with a minimum 10 parts water.

- a. Dilute more as needed for proper coverage according to the recommended rate.

**6. If pesticides** are in your tank mix:

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

**7. 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.

## Injecting Instructions

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

1. Premix with water in a batch tank prior to injection.
2. Place the filter in-line before fertigation reaches the drip line.
3. When using inoculants, maintain pressure under 40 psi to avoid damaging the microbes.
4. Inject immediately after mixing for best results.
5. Clean equipment and flush irrigation lines with clean water following injection.



Advancing Eco Agriculture

## Questions?

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

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