



# Planters

## 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. HoloCa™ 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. Once mixed well, add to the sprayer through a finer filter (30-50 mesh).
- e. AEA products should never be put through a screen finer than 50 mesh.

**5. Dilute with water to achieve a desired consistency.**

- a. 12-15 gallons of total solution per acre will flow well in most systems.
- b. 8-10 gallons per acre is workable. Less than 8 is not advised.

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

- a. Herbicides may denature our products when mixed together.
- b. 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.

## Applying Instructions

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

1. Run your recirculation route with as much volume as possible.
  - a. Some growers create a custom build-out to continually agitate throughout use.
  - b. Several growers have had success without agitation.
2. Filters
  - a. Always keep one main large filter of mesh size 30-50.
  - b. The best option is metering microtubes. Metering tubes create a more laminar flow.
  - c. We recommend not using orifices. If you do, please use orifices that are no smaller than #59 (.059"), but you may need to remove orifice screens.
  - d. AVOID pulsating magnetic flow control.
4. Thoroughly **rinse and flush** equipment after application.



### Questions?

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

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