



BATCH TANKS

MIXING AND BEST PRACTICES

STEP 01

01



Fill Tank to approximately 80% of desired volume.

For best results use clean, filtered water, preferably distilled, deionized, or reverse osmosis (RO) water to avoid contaminants.

STEP 02

02



Measure liquid nutrients based on desired volume of batch tank.

Rinse measuring vessel with water between parts to avoid cross contamination.

STEP 03

03



Weigh powders based on desired volume of batch tank.

For best results, pre-dilute powders in a container of warm water before adding to the batch tank.

STEP 04

04



Following mixing order, add nutrients to the batch tank, one part at a time, mixing for 2-5 min between parts.

STEP 05

05



Top up batch tank to desired volume.

Topping up allows for more accurate tank mixing, as it accounts for volume of nutrients added.

STEP 06

06



Verify EC and pH of mix; adjust as needed.



pH Reference Guide

BEST PRACTICES

- 1. Aim for a water temperature range of 65-75°F for optimum oxygen availability.**
- 2. Monitor and record ongoing EC and pH levels in batch tanks to avoid unnecessary mishaps.**
 - a. Advanced Nutrients' products are built for pH stability, but factors like water quality, poor storage, or 3rd party products may cause fluctuations.
 - b. If significant fluctuations occur, review cleaning practices, sanitize the reservoir before refilling, and contact commercial support if issues persist: commercialsupport@advancednutrients.com
- 3. For best results, utilize a batch mix within 24-48hrs.**
 - a. Holding batches longer than 48 hours (never more than 7 days) may increase maintenance on the irrigation system when using biostimulants.
- 4. For nutrients in suspension (like plant extracts or humates), lightly agitate the reservoir within 15 minutes prior to irrigating to mix evenly.**

*To prevent contamination, avoid pumps that introduce air into the mixture like air stones.
- 5. Maintain stringent cleaning protocols:**
 - a. Batch tanks should be used entirely and, at minimum, rinsed between batch mixes.
 - b. Sanitize batch tanks as needed, with frequency determined by each facility's own circumstances.
 - c. Batch Tanks may need frequent deep cleaning based on water quality and environmental factors. Monitor buildup and adjust cleaning protocols as needed.

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