



STOCK CONCENTRATE

TANK MIXING AND MAINTENANCE

STEP 01

01



Fill stock tank to desired volume with clean filtered water.

Begin Mixing.

STEP 02

02

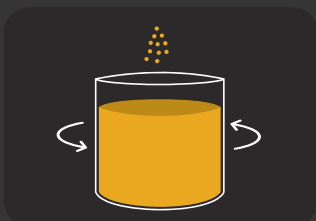


Weigh powder @ 1lb or 2lb per final gallon of concentrate

*International cultivators, mix 1kg or 2kg per final 10L of concentrate

STEP 03

03



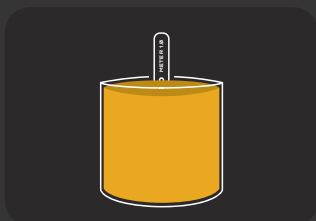
Add slowly, the powder will roughly increase volume 5-10% depending on the mixing ratio.

Mix until full solubility has been reached.*

*Check for undissolved material on the bottom of the tank before moving on.

STEP 04

04



Validate Mixture.
Refer to Validation Protocol



BEST PRACTICES

1. Use High-Quality Water: Start with clean, preferably distilled, deionized, or reverse osmosis (RO) water to avoid contaminants, minerals, or salts that could react with fertilizers or clog dosing systems.
2. For optimal stability of solution, mix in RO water at a minimum temperature of 75°F (24°C).
3. Use dedicated tanks and storage containers for both mixed concentrate and dry powders to avoid cross-contamination between different fertilizers.
4. Maintain Optimal Temperature(65-75°F/18-24°C), avoid placing concentrate tanks directly on concrete floors or where they may be affected by temperature fluctuations.
5. Stock Concentrates from dry powders should be used within 7 days of mixing to ensure best results and product consistency.
6. Empty stock tanks completely, rinsing out thoroughly between batches.
 - a. Sanitize stock tanks with either a solution of bleach an oxidizing product like Sanidate 5.0 for microbial prevention.
 - I. For mineral based nutrient tanks: every 1-3 months
 - II. For Carbon based inputs(plant extracts/humates/kelp): every 2-4 weeks
7. Label tanks clearly with the fertilizer mix/recipe, Validated EC, and date of preparation.
8. Store partially used nutrients properly.
 - a. Powder fertilizers tend to be hygroscopic and should be stored in air-tight containers once opened.
9. Ensure proper care and calibration of all measurement tools.
 - a. This means scales for measuring dry weight, EC and pH meters, flow meters etc.
 - I. EC/pH meters should be calibrated before each use.
10. Document and Track
 - a. Log mixing dates, fertilizer types & concentrations, and any adjustments in order to refer back to when troubleshooting issues or estimating usage.

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