



# Tote Mixing Instructions + pH Adjusting Guide for ST SEED TREATMENT

Easy instructions for adjusting PhycoTerra® ST Seed Treatment pH  
with potassium hydroxide 45% (KOH).

## IMPORTANT TO READ

Entire tote contents must be used within 24 hours of KOH being added to PhycoTerra ST.  
NOTE: Use the entire amount of KOH provided (noted below) with the entire tote (250 gal) of product.  
If a persistent layer remains on the inside of the tote after agitation, there is no cause for concern.  
PhycoTerra is an inert microalgae product, and this residue will not affect performance in the tank or in the field.

### STEP 1

Read the provided SDS and utilize proper PPE, open the cap of the tote and pour the entire two (2) jugs of pre-measured (564.7 fluid oz 16.7 L) of KOH into the full tote (250 gal).

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### STEP 2

For agitation of 250-gallon tote, ensure that mixing shaft does not exceed 32" in and mixer power is at a minimum of 0.5 hp. Clean the shaft and blade prior to use. For moderate compaction, agitate for 20 minutes. For high compaction agitate up to 30 minutes.

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### STEP 3

Once the solution is mixed, let the tote settle and wait **2 minutes** for the KOH to neutralize the pH in the solution.

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### STEP 4

Remove cap and confirm the solution contents have reached pH level between 6.0 - 7.5. Always use an electronic pH meter to confirm pH level. Double check the pH requirement of live products being mixed with PhycoTerra ST, as it can deviate from the 6.0 to 7.5 range.  
NOTE: pH test strips will not provide an accurate reading due to the color of PhycoTerra ST.

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### STEP 5

Empty tote contents into seed treater. Use the entire solution within 24 hours of being neutralized.

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