



# Jug 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 jug 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 jug (2.5 gal) of product.

If a persistent layer remains on the inside of the jug 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

#### Option 1

Remove the cap from the jug and agitate product by using a power drill with a paint mixing attachment. Use the lowest speed setting and in reverse on the drill to prevent splattering.

#### Option 2

Leave the cap on the jug. Vigorously shake the jug for 30–45 seconds, alternating between side-to-side and upside-down motions.



### STEP 2

Read the provided SDS and utilize proper PPE. Open the cap of the jug and pour the entire (1) bottle of pre-measured (5.65 fluid oz or 167mL) of KOH into the full jug (2.5 gal).

### STEP 3

#### Option 1

Mix the KOH and the product together by using a power drill with a paint mixing attachment. Use the lowest speed setting and in reverse on the drill to prevent splattering.

#### Option 2

Replace cap on the jug. Shake the jug vigorously for 30–45 seconds.  
NOTE: The KOH can make the solution “foam” or swell, if overmixed.

### STEP 4

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

### STEP 5

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 - 7.5 range.  
NOTE: pH test strips will not provide an accurate reading due to the color of PhycoTerra ST.

### STEP 6

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

