

# Keg Mixing Instructions + pH Adjusting Guide for SEED TREATMENT

**Easy instructions for mixing PhycoTerra® ST with live biological products with potassium hydroxide 45% (KOH).**

## IMPORTANT TO READ

Entire keg 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 keg (14 gal) of product.

If a persistent layer remains on the inside of the keg 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

Upon receipt of product, slowly unthread the black drill mixer access to relieve any pressure/vacuum. Remove the threaded white plug covering the drill key access. Mix the product for about 2 minutes by using a cordless drill, with provided drill key. Unthread the outer bushing that holds the micromatic key valve and dip tube.

### STEP 2

Read the provided SDS and utilize proper PPE. Slowly pour the entire (1) bottle of pre-measured (31.55 fluid oz or 933mL) of KOH into the full keg (14 gal) while mixing, where the dip tube was removed.

### STEP 3

Agitate the KOH and the product together by using an integrated mixer for **1-2 minutes**.

**NOTE:** The KOH can make the solution “foam” or swell, if overmixed.

### STEP 4

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

### STEP 5

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.

### STEP 6

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



Remove dip tube and valve with open port for pH adjustment