



## PRODUCT INFORMATION

pHairway® water treatment amendment is a turf grass management tool that lowers alkalinity and improves water penetration. By releasing nutrients tied up by high pH soils, pHairway water treatment amendment increases fertilizer performance. It also increases the effectiveness of alkaline sensitive pesticides and improves soil quality.

## FEATURES

- Additional ingredients in pHairway water treatment amendment act as a time-release source of acidity
- Release of the "in-place" acidity is important inhibiting the formation of alkali layers below the soil surface and maintaining readily available mineral nutrients
- All of the contained ingredients in pHairway water treatment amendment are utilized as plant nutrients

## BENEFITS

- Increases nutrient availability
- Reduces adjusted sodium absorption ratio of irrigation water and exchangeable sodium percentage in soil
- Increases water infiltration
- Reduces calcite formation at the soil surface
- Reduces calcite formation at the soil/gravel interface in greens
- Reduces soil pH below 7.0 may indirectly increase resistance to soil pathogens, such as a take-all patch

## GUARANTEED ANALYSIS

Total Nitrogen (N).....15.0%  
15.0%.....Water Soluble Nitrogen  
Sulfur (S) .....16.0%

## PHYSICAL PROPERTIES

pH.....1.0  
Specific Gravity..... 1.51 @ 68° F  
Density.....12.6 lbs/gal

## APPLICATION

Rates are based upon water and soil tests. Please consult your representative.

## pHAIRWAY WATER TREATMENT AMENDMENT IN THE WATER

As pHairway is diluted after injection, the contained acidity reacts with the minerals in the water; primarily the bicarbonates. They are the most important mineral constituents in terms of their potential for damaging the irrigation equipment, soil and plants being watered.

## pHAIRWAY WATER TREATMENT AMENDMENT IN THE SOIL

The diluted solution of calcium sulfate will increase the soil aggregation. This happens when soluble calcium reacts with soil particle surfaces, causing them to release unwanted salts (sodium), while acting as a chemical adhesive to build soil structure.



**Greensmiths, Inc.**

1419 Upfield Drive  
Carrollton, TX 75006  
1.800.638.2980



**Product Name:** pHairway  
**Product Code:** pHairwayB

### GUARANTEED ANALYSIS

Total Nitrogen (N)..... 15.0%  
15.0%...Water Soluble Nitrogen  
Sulfur (S) ..... 16.0%

**PRODUCT INFORMATION:** pHairway water treatment amendment is an irrigation water amendment with a pH of 1, which treats the water. It reduces bicarbonates to avoid alkalinity, poor soil structure and low fertility. pHairway water treatment amendment also increases water use efficiency as a result of better infiltration through the growing season, i.e., fewer, deeper, and more thorough irrigations. It also solubilizes micronutrients that are unavailable due to high soil pH, making them available to your turf.

**DIRECTIONS FOR USE:** SHAKE WELL BEFORE USE. This product should be used as a supplement to a regular fertility program. By itself, it will not provide all the nutrients normally required by plants.

**STORAGE:** Store between 50°-95°F. Avoid direct heat or fire. Decomposition may occur at high temperatures (above 225°F). Use all product within 12 months of its original date.

**IMPORTANT: READ BEFORE USE:** Read the entire Directions for Use and the Warranty Disclaimer and Limitation of Liability before using this product. If terms are not acceptable, return the unopened product container at once. By using this product, user or Buyer accepts the following Warranty Disclaimer and Limitation of Liability:

**WARRANTY DISCLAIMER and LIMITATION of LIABILITY:** Manufacturer warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions. Manufacturer makes NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. To the extent consistent with applicable law, it is Manufacturer's intent to LIMIT ANY LIABILITY FOR SPECIAL, CONSEQUENTIAL OR INCIDENTAL ECONOMIC DAMAGES to refund of purchase price or replacement of product, at Buyer's choice. To the extent consistent with applicable law, Manufacturer DISCLAIMS ANY LIABILITY FOR COMPENSATORY OR OTHER DAMAGES ARISING OUT OF ANY USE CONTRARY TO LABEL DIRECTIONS.

**LEGAL RIGHTS:** THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS; YOU MAY HAVE OTHER RIGHTS THAT VARY FROM STATE/JURISDICTION TO STATE/JURISDICTION.

### WARNING



CAUSES SERIOUS EYE DAMAGE  
CAUSES SEVERE SKIN BURNS AND EYE DAMAGE  
MAY CAUSE RESPIRATORY IRRITATION  
MAY BE HARMFUL IF INHALED  
MAY BE HARMFUL IF SWALLOWED

### PRECAUTIONARY STATEMENTS:

- Do not breathe mist/vapors/spray.
- Wash thoroughly after handling.
- Use only outdoors or in a well-ventilated area.
- Avoid release to the environment.
- Wear protective gloves/eye protection/face protection.
- If swallowed: Rinse mouth. Do not induce vomiting.
- If on skin: Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
- If inhaled: Call a poison center or doctor/physician if you feel unwell.
- If in eyes: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do- continue rinsing.
- Immediately call a poison center or doctor/physician.
- Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- Wash contaminated clothing

- before reuse.
- Collect spillage.
- Store in a well-ventilated place. Keep container tightly closed.
- Store locked up.

### FIRST AID MEASURES:

- Eye contact: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
- Skin contact: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.
- Ingestion: Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
- Inhalation: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferable by mouth-to-mouth, if possible.

**Do not allow to freeze. Always jar test for compatibility.**

Net Contents	Gal.	Lbs.	L	Kg
Drum	30.0		113.6	
Tote	275.0		1041.0	
Bulk				

**F002091**



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LOT CODE