

# AQUA-PAM™

REV 09/16 B2 GHS  
FFN 00148

Target Market  
**AGRICULTURAL**

## CONTAINS NON-PLANT FOOD INGREDIENTS

### ACTIVE INGREDIENTS:

Polyacrylic Acid .....	3.2%
Sodium Polymethacrylates .....	1.3%
Maleic Anhydride (Copolymer) .....	0.1%
Maleic Terpolymer (Copolymer) .....	0.29%
Inert Ingredients .....	95.11%

F002331

This product is not considered hazardous under the U.S. OSHA 29 CFR 1910.1200 Hazard Communication Standard.

## GENERAL RECOMMENDATIONS

AQUA-PAM is a proprietary formulation and blend of copolymers and polyacrylic acids. It is a liquid concentrate containing polyacrylamide, a water retention aid that increases the available water content of soils, which improves plant growth; it may also reduce irrigation requirements. AQUA-PAM has soil conditioning polymers for treatment of soils to reduce erosion, delay crust formation and improve general stabilization.

The application of polymeric additives to improve soil condition has been known for a number of years. With new high molecular weights in products, these benefits can now be obtained at economic dose levels. The action of these polymers can be split into three different areas: **erosion control, soil conditioning, and water holding capacity** for most soils.

AQUA-PAM can improve soil structure and water retention, thus reducing leaching and increasing both the nutrient and water supply to the roots. Additionally, the structural improvement in the soil can provide for better aeration of the root system and reduced soil compaction.

Water requirements can be minimized due to reduction of water losses from percolation and evaporation. The improved water storage in the soil will protect the plant against water stress. This is particularly relevant in areas where agriculture is marginal.

By increasing water penetration, in certain soil profiles, AQUA-PAM will be beneficial by increasing the rate at which water soaks into the soil.

Contact your Certified Crop Advisor for specific recommendations for your area.

## DIRECTIONS FOR USE

**Use Rate:** 2 - 6 gallons per acre per season. Rubber gloves should be used while handling product. Depending on soil condition, you can split apply the recommended rate through the irrigation system using just enough water to allow the product to set on target soil without runoff. AQUA-PAM is best applied by injecting through various irrigation systems (See **IRRIGATION SYSTEM APPLICATION** section) early in the season for best results. It is important to apply after seeding or cultivation, but prior to rainfall or irrigation. Inject AQUA-PAM after all lay by field operations are complete. It is not recommended that AQUA-PAM be tank mixed with suspension type products of any kind. Soil moisture should be continually monitored for increased water capacity which could impact irrigation schedules.

## IRRIGATION SYSTEM APPLICATION

Applications can be made through certain irrigation systems including, but not limited to, low volume systems and typical agricultural sprinkler systems. The specific injection equipment

and irrigation system must conform to all federal, state and local regulations pertaining to the fertilization of plants through an irrigation system. Accurate and properly calibrated injection equipment and an irrigation system that is operated at maximum distribution uniformity will help avoid plant injury and/or product ineffectiveness. For best results, with the exception of center pivot and lateral systems, apply this product toward the end of the irrigation set. Allow sufficient time for the product to be flushed completely out of the entire irrigation system prior to turning off the irrigation water.

## USE PRECAUTIONS KEEP OUT OF REACH OF CHILDREN

Harmful if swallowed. As with all materials, user should exercise precaution to avoid potential phytotoxicity including foliar burning. Care is advised if applying this product in combination with other materials, a jar test for compatibility is recommended before tank mixing with other products. User assumes full responsibility to ensure product, equipment and plant compatibilities. Personal Protective Equipment. Intended for Agricultural use. Consult Safety Data Sheet for further information. In the event of a spill, clean-up should be done promptly by trained personnel while using pre-planned procedures.

## STORAGE AND DISPOSAL

Store in a cool, dry area out of reach of children and animals, as well as out of direct sunlight during storage for extended amounts of time. Store in original container. Keep container tightly sealed when not in use. Do not contaminate water, food or feed by storage, disposal or cleaning of equipment. Store at temperatures above 32°F. Dispose of unused product and empty containers in accordance with Federal, State and local regulations.

## WARRANTY

Verdesian Life Sciences U.S., LLC warrants that this Product conforms to the specifications set forth on the label. This Product is reasonably fit for the purpose stated on the label when used in accordance with the label directions and instructions under normal conditions of use.

**VERDESIAN NEITHER MAKES, NOR AUTHORIZES ANY AGENT, REPRESENTATIVE OR THIRD PARTY TO MAKE ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, STATUTORY OR OTHERWISE, AS TO THE CONDITION, QUALITY, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** Neither the warranty of merchantability nor fitness for a particular purpose, expressed or implied, extends to the use of this Product contrary to label instructions or under abnormal conditions or under conditions not foreseeable to the Seller or Verdesian.

Limitation of Remedies. The exclusive remedy for losses or damages resulting from this product (including claims based on contract, negligence, strict liability or other legal theories), shall be limited to, at Verdesian's election, one of the following: (1) replacement of the amount of product used; or (2) refund of the purchase price paid for the product; provided that Verdesian's provision of (1) or (2) is conditioned on its first being promptly notified of such loss or damage in writing. Verdesian shall not be liable to the buyer or any other party claiming by, through, or under the buyer for any other losses or damages resulting or relating to this product, including but not limited to any direct, indirect, special, punitive, economic, incidental or consequential damages or loss of profits, whether in contract, tort or otherwise. Verdesian neither assumes, nor authorizes any person to assume for it, any other liability in connection with the sale, storage, use or handling of this product other than expressly set forth herein.

Information regarding the contents and levels of metals in this product is available on the internet at <http://www.aapfco.org/metals.htm>



This product is manufactured by:  
Verdesian Life Sciences, U.S., LLC 1001 Winstead Drive, Suite 480, Cary, NC 27513  
Customer Service: 800-868-6446