



WATER CONDITIONING AGENT AND AMMONIUM SULFATE REPLACEMENT

***ACTIVE INGREDIENTS:**

Proprietary blend of the ammonium salts of polyacrylic, hydroxy carboxylic and phosphoric acids 50.00%

Components ineffective as water conditioners 50.00%

TOTAL 100.00%

*All ingredients are accepted for use under CFR 40, 180.

KEEP OUT OF REACH OF CHILDREN

WARNING

- Causes skin irritation
- May be harmful if swallowed
- May be harmful in contact with skin
- May cause allergic skin reaction
- May be harmful if inhaled
- Causes eye irritation



NET CONTENTS:

SN 020515/0317G

MANUFACTURED FOR

HELENA CHEMICAL COMPANY
225 SCHILLING BOULEVARD, SUITE 300
COLLIERVILLE, TN 38017
901-761-0050

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING

BEFORE USING THIS PRODUCT READ ALL PRECAUTIONS, DIRECTIONS FOR USE, CONDITIONS OF SALE-LIMITED WARRANTY AND LIMITATIONS OF LIABILITY AND REMEDIES

Causes skin irritation. May be harmful if swallowed. May be harmful in contact with skin. May cause allergic skin reaction. May be harmful if inhaled. Causes eye irritation. Do not eat, drink, or smoke when using this product. Wash hands and face thoroughly after handling. Avoid breathing spray mist. Avoid contact with skin, eyes, or clothing. In addition, follow precautionary statements on accompanying pesticide(s) label(s) that are applied with this product.

FIRST AID

IF SWALLOWED:	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to by a poison control center or doctor. • Do not give anything to an unconscious or convulsing person.
IF ON SKIN OR CLOTHING:	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
IF INHALED:	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. • Call a poison control center or doctor for further treatment advice.
IF IN EYES:	<ul style="list-style-type: none"> • 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. • Call a poison control center or doctor for treatment advice.

HOT LINE NUMBER

For help in chemical emergencies involving spills, leak, fire or exposure call toll free

1-800-424-9300.

STORAGE AND DISPOSAL

Store in original container only. Product may crystallize at temperatures less than 33°F. Keep container tightly closed and do not allow other chemicals to be introduced into the container. Do not contaminate water sources by runoff from cleaning of equipment washwaters or spray waste.

CONTAINER DISPOSAL: Triple rinse (or equivalent) and add rinsate to spray tank, then offer for recycling or reconditioning, or puncture and dispose of according to state and local authorities. If burned, stay out of smoke.

For help in chemical emergencies involving spills, leak, fire or exposure call toll free 1-800-424-9300.

GENERAL INFORMATION

QUEST® is a water-conditioning agent and activator designed to enhance pesticide performance by modifying factors such as pH and hard water. In addition, the buffers, sequestrants, and chelating agents making up QUEST® are combined with ammoniacal nitrogen. Ammoniacal nitrogen has been recognized as an effective enhancer of herbicide uptake by some plant species. As a result of these activities, QUEST® can positively affect pesticide spray application and pesticide efficacy. Never mix QUEST® with undiluted pesticides which are incompatible with low pH (acid conditions). Spray mixes containing QUEST® should not be utilized in combination with herbicides containing DSMA.

Do not mix QUEST® with spray mixes containing fixed copper fungicides (products such as cupric hydroxide, tribasic copper, COPPER COUNT N, or copper oxychloride). Do not apply this product in such a manner as to directly or through drift expose workers or other persons. Do not spray pesticides if conditions of thermal inversion exist, or if wind direction and speed may cause drift onto adjacent areas. With both aerial and ground application, the use of a drift control spray deposition additive (in accordance with pesticide label directions) may reduce the potential for drift to occur. Drift minimization is the responsibility of the applicator. Consult your local state agricultural authorities for information regarding avoiding or minimizing spray drift.

DIRECTIONS FOR USE

FOR USE WITH PRODUCTS REGISTERED FOR: AGRICULTURAL, AQUATIC, FORESTRY, INDUSTRIAL, MUNICIPAL, NON-CROPLAND, ORNAMENTAL, RIGHTS-OF-WAY, TURF AND OTHER USES.

In all applications of QUEST® read and follow directions for use on the pesticide(s) label as to procedures, dosage rates, timing of application and restrictions for the crop on which the pesticide is to be applied. QUEST® can increase the activity of some herbicides. The use of test areas is recommended when applying during periods of high humidity or high temperature or to other situations where field experience is limited.

The addition of an adjuvant to some pesticides or pesticide tank mix combinations may cause phytotoxicity to the foliage and/or fruit of susceptible crops. Prior to the addition of QUEST® to spray mixes, the user or application advisor must have experience with the combination or must have conducted a phytotoxicity trial or must take the recommendations from the labels of the products, with which it is to be tank mixed.

RECOMMENDED USE RATES

The following use rates are recommended for QUEST®.

GROUND: Use 1-4 pints per 100 gallons of spray (0.125-0.50% v/v).

AERIAL: Use 2-4 pints per 100 gallons of spray (0.25 - 0.50% v/v).

WATER CONDITIONING: Use 1 to 5 pints per 100 gallons of water as a general use water conditioning agent for pH reduction and hard water sequestering.

NOTE: QUEST® is a water conditioning agent. QUEST® does not replace the need for a crop oil concentrate or nonionic surfactant. If the pesticide label recommends it, then additional crop oil concentrate or nonionic surfactant should be added.

MIXING

Prior to any pesticide application, all spray mixing and application equipment must be thoroughly cleaned. Carefully observe all cleaning directions on the pesticide label.

1. Fill spray tank one-half full with water and begin agitation
2. Add QUEST®
3. Add pesticides and/or fertilizers as directed by manufacturer's label or in the following sequence:
 - A. Micronutrients and fertilizers
 - B. Dry flowables or water dispersible granules
 - C. Flowables
 - D. Water soluble pesticides
 - E. Emulsifiable concentrates
4. Continue agitation and complete filling of spray tank

Terminology on this label is consistent with the definitions approved by Subcommittee E-35.22 on Pesticide Formulations and Application Systems under the jurisdiction of ASTM Subcommittee E-35.

Disclaimer: Always refer to the label on the product before using Helena or any other product.

**CONDITIONS OF SALE-LIMITED WARRANTY
AND LIMITATIONS OF LIABILITY AND REMEDIES**

Read the Conditions of Sale-Warranty and Limitations of Liability and Remedies before using this product. If the terms are not acceptable, return the product, unopened, and the full purchase price will be refunded.

The directions on this label are believed to be reliable and must be followed carefully. Insufficient control of pests and/or injury to the crop to which the product is applied may result from the occurrence of extraordinary or unusual weather conditions or the failure to follow the label directions or good application practices, all of which are beyond the control of Helena Chemical Company (the "Company") or seller. In addition, failure to follow label directions may cause injury to crops, animals, man or the environment. The Company warrants that this product conforms to the chemical description on the label and is reasonably fit for the purpose referred to in the directions for use subject to the factors noted above which are beyond the control of the Company. The Company makes no other warranties or representations of any kind, express or implied, concerning the product, including no implied warranty of merchantability or fitness for any particular purpose, and no such warranty shall be implied by law.

The exclusive remedy against the Company for any cause of action relating to the handling or use of this product shall be limited to, at Helena Chemical Company's election, one of the following:

1. Refund of the purchase price paid by buyer or user for product bought, or
2. Replacement of the product used

To the extent allowed by law, the Company shall not be liable and any and all claims against the Company are waived for special, indirect, incidental, or consequential damages or expense of any nature, including, but not limited to, loss of profits or income. The Company and the seller offer this product and the buyer and user accept it, subject to the foregoing conditions of sale and limitation of warranty, liability and remedies.

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