

Helena

Quest®**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, 180.1001(c)

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

See Below for Additional Precautionary Statements.

SN 0305/1205

MANUFACTURED FOR
HELENA CHEMICAL COMPANY
225 SCHILLING BOULEVARD, SUITE 300
COLLIERVILLE, TN 38017

PRECAUTIONARY STATEMENTS**CAUTION**

May cause skin and eye irritation. Avoid contact with skin, eyes, and clothing. Harmful if swallowed. Avoid breathing spray mist.

WHAT TO DO IN CASE OF CONTACT:

IF ON SKIN: Wash skin with soap and water while removing contaminated clothing. Get medical attention if irritation persists.

IF IN EYES: Immediately flush eyes with large amounts of running water for at least 15 minutes. Hold eyelids apart to ensure rinsing of the entire surface of the eye and lids with water. Get medical attention immediately.

IF SWALLOWED: Immediately give several glasses of water but do not induce vomiting. If vomiting does occur, give fluids again. Have physician determine if condition of patient will permit induction of vomiting or evacuation of stomach. Do not give anything by mouth to an unconscious or convulsing person.

If contact is made with the spray solution containing herbicides, follow the "Statement of Practical Treatment/First Aid" on the herbicide(s) label(s).

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

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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 1-5 pints per 100 gallons of spray (0.125-0.75% 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.

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 should 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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Disclaimer: Always refer to the label **on the product** before using Helena or any other product. VID 12.20.05