



**WATER CONDITIONING AGENT FOR PESTICIDE SPRAYS**

**\*PRINCIPAL FUNCTIONING AGENTS:**

Hydroxy carboxylic acid, phosphoric acids and ammonium sulfate .....	48.76%
Polyacrylic acid .....	1.00%
Constituents ineffective as adjuvant .....	50.24%
<b>TOTAL .....</b>	<b>100.00%</b>

\*All ingredients are accepted for use as adjuvant 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



CA Reg. No. 5905-50076-AA

CASN 020114

NET CONTENTS:

**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. Keep out of reach of children. Avoid breathing spray mist. Avoid contact with skin, eyes, or clothing. Keep out of reach of children. In addition, follow precautionary statements on accompanying pesticide(s) label(s) that are applied with this product.

**FIRST AID**

<b>IF SWALLOWED:</b>	<ul style="list-style-type: none"> <li>Call a poison control center or doctor immediately for treatment advice.</li> <li>Have person sip a glass of water if able to swallow.</li> <li>Do not induce vomiting unless told to by a poison control center or doctor.</li> <li>Do not give anything to an unconscious or convulsing person.</li> </ul>
<b>IF ON SKIN OR CLOTHING:</b>	<ul style="list-style-type: none"> <li>Take off contaminated clothing.</li> <li>Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF INHALED:</b>	<ul style="list-style-type: none"> <li>Move person to fresh air.</li> <li>If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.</li> <li>Call a poison control center or doctor for further treatment advice.</li> </ul>
<b>IF IN EYES:</b>	<ul style="list-style-type: none"> <li>Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>

**HOT LINE NUMBER**

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-424-9300 for emergency medical treatment information.

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

**Personal Protective Equipment (PPE):** Wear chemical-resistant gloves and splash proof goggles.

**STORAGE AND DISPOSAL**

Do not contaminate water, food, or feed by storage and disposal.  
**PESTICIDE STORAGE:** Store in original container only. Keep container tightly closed. Do not allow water to be introduced into the contents of this container. Do not store near heat or open flame. Do not store with oxidizing agents.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Do not contaminate water sources by runoff from clearing of equipment, disposal of equipment washwater or spray waste.

**CONTAINER DISPOSAL:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**GENERAL INFORMATION**

**QUEST®** is a water-conditioning agent designed to enhance pesticide performance by modifying factors such as pH and hardness of the spray water. In addition, ammoniacal nitrogen has been added along with the buffers, sequestrants, and chelating agents making up **QUEST®**. Ammoniacal nitrogen has been recognized as an effective uptake enhancer for some pesticides by some plant species. As a result, **QUEST®** can positively affect pesticide spray application and pesticide efficacy by conditioning the spray water and providing a source of ammoniacal nitrogen. 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, basic copper, COPPER COUNT N, or copper oxychloride) unless the pH of the spray mix is 6.0 or above.

Do not apply this product in such a manner as to directly or through drift expose workers or other persons. Do not spray pesticides when conditions for 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(s) label(s) directions) may reduce the potential for drift to occur. Drift minimization is the responsibility of the applicator. Consult your local or 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.**

In all applications of **QUEST®** read and follow directions for use on the pesticide(s) label(s) as to procedures, dosage rates, timing of application and restrictions for the crop on which the pesticide is to be applied. 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 this 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:** Apply at the rate of 1-4 pints per acre in 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®** will not replace a crop oil concentrate adjuvant or nonionic surfactant in a spray tank mix. If the pesticide(s) label(s) recommends it, then additional crop oil concentrate or nonionic surfactant should be added along with **QUEST®**.

**MIXING**

Prior to any pesticide application, all spray mixing and application equipment must be cleaned. Carefully observe all cleaning directions on the pesticide(s) label(s). Fill spray tank one-half full with water and begin agitation. Add pesticides as directed by labeling or in the following sequence:

1. **QUEST®**
2. Dry flowables or water dispersible granules
3. Wettable powders
4. Flowables
5. Solutions
6. Emulsifiable concentrates

---

**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.

© Copyright Helena Holding Company, 2014

QUEST® is a registered trademark of Helena Holding Company.