

# Quantum CHAMELEON

## WATER CONDITIONING AGENT AND ACIDIFIER

### PRINCIPAL FUNCTIONING AGENTS:

Ammonium sulfate, 2-hydroxy-1,2,3-propanetricarboxylic acid.....	54.5%
Constituents ineffective as a spray adjuvant .....	45.5%
Total.....	100.0%

### GENERAL INFORMATION

**Quantum CHAMELEON** is a specially formulated blend of water conditioning agents intended for use with a variety of pesticide or nutrient applications that are susceptible to the negative effects of hard water and high pH, which can affect efficacy. Effective in lowering spray solution pH and treating water hardness. It creates a good environment in the spraying tank for maximum pesticide and nutrient efficacy.

Hard water and high pH can reduce the miscibility and/or solubility of certain pesticides. **Quantum CHAMELEON** is effective on hard water cations, thus preventing deactivation of susceptible pesticides, which in turn results in consistent performance.

### Key Advantages of Quantum CHAMELEON

- ◆ **Quantum CHAMELEON** a combination solution pH acidifier/buffer and water softener.
- ◆ Formulated using naturally-occurring organic acids and represents an environmentally sound management tool for lowering alkaline soil conditions.
- ◆ It creates an ideal environment in the spraying tank for maximum herbicide and nutrient solution efficacy by reducing water hardness.
- ◆ Acts as a weak chelator improving the efficiency of uptake through the leaves.



**NET CONTENTS:**  
2.5 gallons (9.46 liters)



**NET WEIGHT:**  
26.5 lbs / 12.0 kgs



**DENSITY/ WEIGHT PER GALLON:**  
10.60 Lbs (4.81kg) at 68°F (20° C)



**DO NOT STORE BELOW**  
40°F (5°C)

**USE DIRECTIONS:** Add **Quantum CHAMELEON** as the first component of the spray mixture. Always read and follow the label instructions indicated on the pesticide or nutrient label. Do not use **Quantum CHAMELEON** if accompanying pesticide or nutrient label prohibits the use of water conditioners or acidifying agents.

Slowly pour **Quantum CHAMELEON** into the spray tank at the point of maximum agitation. Continue filling while recirculating until all ingredients are thoroughly mixed. Maintain good tank mix agitation at all times until contents of tank are completely sprayed.

### RATE RECOMMENDATIONS

**For use as an acidifying agent,** use **Quantum CHAMELEON** at 6 fl. oz. increments per 100 gallons of spray solution until the desired pH is achieved.

**For hard water conditions** or use with glyphosate herbicides that do not contain a surfactant ingredient a rate of 46 - 61 fl. oz. per 100 gallons may be required.

**For water with medium hardness** to reduce the pH to 5.5-6.0, the typical rate of application is 32 fl. oz. per 100 gallons of water. In difficult situations (such as hard water and/or high pH) the higher rates may be required.

Distributed and guaranteed by  
**Quantum Fertilizers, LLC**  
2501 Chatham Rd. #4041,  
Springfield, IL 62704  
e-mail: office@quantum-fertilizers.com  
quantum-fertilizers.com



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