

# AMS SURFACTANT

## Water Conditioning Agent and Surfactant

### Principal Functioning Agents:

Ammonium sulfate, citric acid, and Sodium dimethyl benzene sulfonate.....	44.5%
CONSTITUENTS INEFFECTIVE AS A SPRAY ADJUVANT.....	55.5%
<b>Total .....</b>	<b>100%</b>

All ingredients in this product are exempt from the requirements of a tolerance as specified under Title 40, Code of Federal Regulations 180

### KEEP OUT OF REACH OF CHILDREN



### WARNING

**Causes serious eye irritation and skin irritation. May be harmful if swallowed, inhaled, or absorbed through skin.**

### PRECAUTIONARY STATEMENTS

Wear eye and/or face protection. Wash hands, face, and other affected areas thoroughly after handling. If eye or skin irritation occurs, seek medical attention. Disposal of contents and/or container must be in compliance with local, state, and federal laws and regulations.

### FIRST AID

**IF SWALLOWED:** Call a POISON CENTER or doctor / physician if you feel unwell. Rinse mouth. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

**IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. If irritation persists, seek medical attention.

**IF ON SKIN OR CLOTHING:** Call a POISON CENTER or doctor / physician if you feel unwell. Take off contaminated clothing and wash it before reuse. Wash with plenty of soap and water. If skin irritation occurs: get medical advice or attention.

**IF INHALED:** Call a POISON CENTER / doctor / seek medical attention if you feel unwell. Remove person to fresh air and keep comfortable for breathing.

### GENERAL INFORMATION

AMS SURFACTANT is a water-conditioning agent/surfactant for use with pesticides that are labeled for agricultural, forestry, non-cropland, and right-of-way uses. AMS SURFACTANT is formulated to meet the surfactant and ammonium sulfate (AMS) recommendation for many glyphosate, glufosinate, paraquat, and diquat products or other herbicides requiring the addition of surfactant and AMS. Hard water cations and high pH can decrease mixability and solubility of certain pesticides, especially Glyphosates, 2,4-D Amines and Garlon salts. AMS SURFACTANT contains AMS as well as acidifying, buffering and chelating agents which aid in maintaining the right pH in the tank mix solution and block hard water cations from interacting with the pesticide molecule.

**ENVIRONMENTAL HAZARDS:** Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment wash waters. NOT FOR AQUATIC USE IN WASHINGTON STATE.

### DIRECTIONS FOR USE

Add 3 to 10 quarts of AMS SURFACTANT per 100 gallons of spray solution (0.75 – 2.5% v/v) for ground applications. The use rate of AMS SURFACTANT is determined whether you are using a low load, no load or high load surfactant formulation of glyphosate. Other factors include spray solution water quality, stage of weed growth and environmental conditions at the time of application.

1. High load surfactant glyphosate formulations. Use 3-4 quarts per 100 gallons (0.75 – 1.0% v/v) for 250 ppm or less water hardness. Use 4-6 quarts per 100 gallons (1.0 – 1.5% v/v) for 500 ppm or less water hardness. For water hardness over 500 ppm use 6-10 quarts per 100 gallons spray solution (1.5-2.5 % v/v).
2. Low surfactant glyphosate formulations. Use 7-8 quarts per 100 gallons (1.75 – 2.0% v/v) for 250 ppm or less water hardness. Use 8-10 quarts per 100 gallons (2.0 – 2.5% v/v) for 250 ppm or more water hardness.
3. 10 quarts per 100 gallons (2.5% v/v) should always be used with no load (no surfactant) glyphosate formulations.

### MIXING

All spray mixing and application equipment must be thoroughly cleaned before pesticides are applied.

1. Fill spray tank half full of water and start agitation.
2. Add desired rate of AMS SURFACTANT to water before adding pesticides.

### Distributed By:

Winfield Solutions, LLC  
P.O. Box 64589, St. Paul, MN 55164-0589

**NET CONTENTS: 265 Gallons**

2/0903/0

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3. Add pesticides as directed by the label, while maintaining agitation.

### STORAGE AND DISPOSAL INFORMATION

**STORAGE:** Store product in original container only. Do not allow other chemicals to be introduced into the container. Do not use, spill, or store near heat or open flame. Keep this container closed when not in use.

**DISPOSAL:** Do not contaminate water, food, or feed by storage or disposal. Triple rinse container and pour rinsate into spray tank. Do not reuse container. Recycling decontaminated containers is the best option of container disposal. The Agricultural Container Recycling Council (ACRC) operates the national recycling program. To contact your state and local ACRC recycler visit [www.acrecycle.org](http://www.acrecycle.org). Dispose of contents/container in accordance with local/national regulations.

**NOTICE OF WARRANTY:** Seller warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for purposes stated on such label only when used in accordance with the directions under normal use conditions. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of the Seller. IN NO CASE SHALL SELLER BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. ALL SUCH RISKS SHALL BE ASSUMED BY THE BUYER. SELLER MAKES NO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE

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