



# AgriSOLUTIONS<sup>TM</sup>

## LEVEL 7<sup>®</sup>

### NONIONIC SURFACTANT, SPREADER, PENETRANT, WATER CONDITIONING AGENT AND ACIDIFIER

Protected by U.S. Patent No. 5,945,377

**PRINCIPAL FUNCTIONING AGENTS:**

Saccharides, alkyl polyglucoside, ammonium sulfate.....	65%
CONSTITUENTS INEFFECTIVE AS SPRAY ADJUVANT .....	35%
TOTAL .....	100%

Surfactant content 20% (Note, the higher use rates of 0.5 - 0.75 % v/v compensates for the low surfactant %)

All ingredients are exempt from the requirements of a tolerance in 40 CFR 180.

## KEEP OUT OF REACH OF CHILDREN CAUTION

### PRECAUTIONARY STATEMENTS

Causes moderate eye irritation. Harmful if swallowed, inhaled, or absorbed through the skin. Avoid contact with skin, eyes or clothing. Avoid breathing spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or smoking tobacco. Remove and wash contaminated clothing before reuse.

**Personal Protective Equipment:** Wear chemical-resistant gloves, long-sleeved shirt and long pants, and shoes plus socks.

### FIRST AID

**IF IN EYES:** 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 eye. Call a poison control center or doctor for treatment advice.

**IF ON SKIN OR CLOTHING:** 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 SWALLOWED:** Call a poison control center or doctor immediately for treatment advice. Have the person sip a glass of water if able to swallow. 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 INHALED:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

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Distributed by:

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

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## STORAGE AND DISPOSAL

**STORAGE:** Store in secure area away from feed or food products. If frozen, bring back to room temperature, then shake well or re-circulate before use.

**CONTAINER DISPOSAL:** Do not reuse empty container. Triple rinse (or equivalent) during mixing and loading. 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 the ACRC web page at [www.acrecycle.org](http://www.acrecycle.org). Decontaminated containers may also be disposed of in a sanitary landfill.

## GENERAL INFORMATION

LEVEL 7 is a multicomponent adjuvant system designed to enhance the efficacy of many pesticides applied by ground or air for terrestrial and aquatic uses.

As a water conditioner, LEVEL 7 will tie-up with free ions in spray tank solutions that can inhibit many pesticide's performance. LEVEL 7 also acts as an acidifying buffering agent that will lower the pH of the spray solution preventing hydrolysis of many pesticides, especially fungicides and insecticides.

While protecting the spray solution, LEVEL 7 also works as a non-ionic surfactant, promoting spreading for improved plant coverage and penetration to move more active ingredient into the plant.

LEVEL 7 contains 2.5 pounds of High Fructose Corn Syrup per gallon.

**Approved for Aquatic Use with Pesticides Labeled for Aquatic Use.**

## DIRECTIONS FOR USE

### Shake well before using

Carefully follow the precautions, restrictions, recommended use rates and application directions appearing on the pesticide label. Do not exceed 5% of the finished spray volume unless otherwise specified by the pesticide label.

**MIXING:** Fill spray tank half full with water and start agitation. Always add LEVEL 7 first with the agitator running. Then add glyphosate or other pesticides and continue to fill spray tank.

**NOTE:** LEVEL 7 is an acidifier and may be physically or chemically incompatible with alkaline spray materials.

Tank mixes of fertilizers and pesticides may result in reduced effectiveness of the pesticide due to the tendency of the pesticide to hydrolyze in alkaline solutions. This type of decomposition normally occurs quite quickly when the pH of the solution is above 7. The adjustment of the pH of the spray solution to an acidic media will reduce this decomposition. Even those pesticides which hydrolyze slowly will benefit from the use of this product.

The rate needed depends on the alkalinity of the solution. If you don't know the starting pH of the solution, use an indicator such as litmus paper or a pH meter to determine the alkalinity of the solution.

The amount of this product required to lower the pH of the solution under normal circumstances is shown below. Because of variances in composition, some waters may require more or less LEVEL 7 to reach the desired pH.

### USE RATE:

**Acidifying Agent:** Add LEVEL 7 at the rates listed below to reduce spray solution pH. Use the higher rate for highly buffered waters or for lowering below 5 pH.

Beginning pH	Suggested rate per 100 gallons
<8	4 – 8 fl. oz.
8	6 – 16 fl. oz.
9	12 – 24 fl. oz.
10	16 – 32 fl. oz.

**Non-ionic Surfactant, Spreader, Penetrator:**

**Herbicides, Insecticide and Fungicides** - 2 to 6 pints per 100 gallons of spray solution.

**Foliar Nutrients** - 2 to 6 pints per 100 gallons of spray solution.

**Water Conditioner:** LEVEL 7 may be used at a rate of 3 to 6 pints per 100 gallons of spray solution. The standard use rate is 4 pints per 100 gallons.

Use 4 or more pints of LEVEL 7 in spray water that has less than 300 ppm hardness.

Use 6 pints of LEVEL 7 in spray water that has less than 500 ppm hardness.

It is strongly suggested that the adjuvant, ALLIANCE™, be used in spray solutions containing hard water which is 500 ppm or greater.

Three quarts of LEVEL 7 contain the equivalent of 1.13 pounds of ammonium sulfate.

Under stressful environmental conditions, such as hot and dry weather or if greater populations of hard to control weeds are evident, the higher rates of LEVEL 7 should be used or Alliance should be substituted.

**NOTE:** When applying aerially, follow pesticide label directions including minimum water volume per acre. Do not substitute LEVEL 7 for water required by the pesticide label.

**NOTE:** This product has demonstrated excellent plant safety; however, not all species of ornamentals have been tested. Before treating a large area, test on a small area and observe prior to full-scale application.

**Notice of Warranty**

Seller warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use. SELLER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, NOR IS ANY REPRESENTATIVE OF SELLER AUTHORIZED TO MAKE ANY SUCH WARRANTY OR MODIFY THESE TERMS. This warranty does not extend to the storage, handling or use of this product contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to Seller, and Buyer assumes the risk of any such storage, handling or use. Seller shall not be responsible for incidental or consequential damages, if any, resulting from a breach of warranty.

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