

JACKHAMMER[®]

Nonionic Surfactant ▪ Water Conditioning Agent ▪ Humectant

PRINCIPAL FUNCTIONING AGENTS

Diethylene glycol, propylene glycol,
monocarbamide dihydrogen sulfate.....99.92%
Constituents ineffective as spray adjuvants.....0.08%
TOTAL.....100.00%

Ingredients are exempt from tolerance under 40 CFR 180



DANGER
KEEP OUT OF REACH OF CHILDREN
READ LABEL BEFORE USE

USE PRECAUTIONS

The addition of an adjuvant to some pesticides may increase the risk of phytotoxicity to certain susceptible crops, especially during periods of high humidity or other circumstances which may increase the activity of spray solutions. Care should be exercised when using on new varieties or crops not previously treated with Jackhammer.

HAZARD STATEMENTS

May be corrosive to metals. Harmful if swallowed. Causes severe skin burn and eye damage. Causes serious eye damage.

PRECAUTIONARY STATEMENTS

Read label before use. Keep container tightly closed. Keep only in original container. Do not breathe dust, fume, gas, mist, vapors or spray. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product.

Personal Protective Equipment (PPE): Wear protective gloves and eye/face protection.

Refer To Safety Data Sheet (SDS) For Important Environmental, Safety, and Health Information

JACKHAMMER IS NOT FOR AQUATIC USE

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DIRECTIONS FOR USE NOT FOR AQUATIC USE

Be sure to follow all directions on the pesticide label. Check the pesticide label for pH considerations. Jackhammer will reduce pH of the tank mix dramatically. Use only if use of the pesticide is not excluded in low pH conditions. The applicator or consultant must have experience using this product or have performed a phytotoxicity test to ensure safety, and a jar test to ensure compatibility with the exact mix being used. Follow the mixing order established on the label. If the order is not clear, follow the tank mixing directions below.

Use Rates per 100 Gallons of Tank Mix

Glyphosate - Full Load	1 to 2 quarts
Glyphosate - Partial Load or Unloaded	2 to 4 quarts
Most Other Pesticides	1 to 2 quarts

MIXING DIRECTIONS

Prior to any pesticide application, all spray equipment must be thoroughly cleaned. Carefully observe all tank cleaning directions on the pesticide label. Follow the mixing order on the pesticide label. If the mixing order is not clear, follow these mixing instructions:

1. Fill the spray tank 1/2 full with water.
2. Add any dry formulations to the spray tank and allow to disperse completely into solution.
3. Continue to add other pesticides and ingredients, including Jackhammer, consistent with respective label directions.

Note: It is preferable, but not required, to add Jackhammer prior to adding the glyphosate herbicide. Do not mix Jackhammer with undiluted herbicides.

STORAGE, DISPOSAL AND SPILL

Do not contaminate water, food or feed by storage or disposal.

Storage: Store locked up. Store in a corrosive resistant container with a resistant inner liner. Store in tightly closed containers in a dry well ventilated area away from excessive heat and incompatible materials.

Disposal: Do not contaminate water sources by cleaning of equipment or disposal of wastewaters. Do not reuse empty container. Triple rinse (or equivalent) adding rinse water to application tank. To contact your state and local ACRC recycler visit www.acrcycle.org. Dispose of contents and container in accordance with local and national regulations.

Spill: In the event of a major spill, fire or other emergency, call CHEMTREC at (800) 424-9300.

Note: Read and follow all label directions and cautions on all products used.

GENERAL INFORMATION

Jackhammer is a proprietary blend of water conditioning agents, superior nonionic surfactants, and humectants. This blend of ingredients provides outstanding performance to any pesticide that is compatible with an acidic water conditioner. The proven set of water conditioners provides protection of the pesticide performance from the rigors of hard water. Hard water ions such as calcium, magnesium and iron can combine with certain pesticides, making them insoluble and decreasing performance. Jackhammer gets in between the pesticide and the hard water ions, allowing the pesticide to do its work. The high-performance surfactants in Jackhammer reduce surface tension of the spray droplet on the plant surface, allowing the droplet to spread and cover more surface areas. Increased surface area means faster movement of the active into the target, speeding the process of killing the target. The humectants in Jackhammer slow drying of the droplets on the leaf surface. This, along with the increased surface area coverage, increases movement of the active into the target for better efficacy. This combination of properties, water conditioning, reduce surface tension and humectancy, helps insure better, more consistent control of disease and infestation over a wider range of conditions than with pesticide or any single property adjuvant alone.

FIRST AID

Call a poison control center or doctor immediately for treatment advice. Have the product container with you when calling a poison control center or doctor or going for treatment. **If in Eyes:** Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do; continue rinsing. If eye irritation persists, get medical attention. **If Swallowed:** Rinse mouth. Have 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 you feel unwell, call a poison control center or physician immediately for treatment advice. **If Inhaled:** Move person to fresh air and keep at rest in a position comfortable for breathing. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. If you feel unwell, call a poison control center or physician for further treatment advice. **If on Skin or Clothing:** Rinse skin immediately with plenty of soap and water for 15 to 20 minutes. If skin irritation occurs, get medical attention. Take off contaminated clothing and wash before reuse.

CONDITIONS OF SALE - LIMITED WARRANTY AND LIMITATIONS OF LIABILITY AND REMEDIES: The Directions for Use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with 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 use of the product in a manner inconsistent with its labeling, all of which are beyond the control of CHS Inc. or the seller. All such risks shall be assumed by the buyer. CHS Inc. warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions for Use, subject to the inherent risks referred to above. CHS Inc. makes no other express or implied warranty of fitness or merchantability or any other express or implied warranty. In no case shall CHS Inc. or the seller be liable for consequential, special or indirect damages resulting from the use or handling of this product. CHS Inc. and the seller offer this product, and the Buyer and the User accept it, subject to the foregoing Conditions of Sale and Warranty, which may be varied only by agreement in writing signed by a duly authorized representative of CHS Inc.

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NET CONTENTS: 30 Gallons (113.55L)
 275 Gallons (1,040.88 L)

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