

JACKHAMMER® ELITE

Water Conditioning Agent ▪ Nonionic Surfactant
Buffering Agent ▪ Humectant ▪ Activator

PRINCIPAL FUNCTIONING AGENTS

Trisodium citrate dihydrate, alkyl polyglucoside, carbamide.....48.60%
Constituents ineffective as spray adjuvants.....51.40%
TOTAL.....100.00%

Ingredients are exempt from tolerance under 40 CFR 180



WARNING
KEEP OUT OF REACH OF CHILDREN

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 Elite.

HAZARD STATEMENTS

Causes serious eye damage. Causes eye irritation. Causes mild skin irritation. May cause an allergic skin reaction. May cause damage to organs through prolonged or repeated exposure.

PRECAUTIONARY STATEMENTS

Read label before use. Keep container tightly closed. Keep only in original container. Keep away from heat, sparks, open flames and hot surfaces. No smoking! Avoid breathing dust, fume, gas, mist, vapors and spray. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Dispose of contents and container in accordance with local and national regulations.

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

ENVIRONMENTAL HAZARDS

Not for aquatic use. Do not contaminate water sources by cleaning of equipment or disposal of wastewaters.

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

JACKHAMMER ELITE IS NOT FOR AQUATIC USE

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DIRECTIONS FOR USE

NOT FOR AQUATIC USE

Jackhammer® Elite is intended for use with herbicide spray applications. Prior to using Jackhammer Elite, the user must have experience with the combination of active ingredients or must have conducted a phytotoxicity trial. Jackhammer Elite may be applied by ground, CDA or aerial spray equipment.

AERIAL AND GROUND APPLICATION RATES

Use 1 to 4 quarts per 100 gallons of spray mixture (0.25% v/v to 1.0% v/v).

Do not use this product at a rate to exceed 2.5% v/v of finished spray tank mixture.

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 the following 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 Elite, consistent with respective label directions.

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

STORAGE, DISPOSAL AND SPILL

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

Storage: Keep this container tightly closed. Store between 32°F and 120°F. Store in original container. Store in a closed container. Store in a dry place. Store in a well-ventilated space. Keep cool. Do not allow water or other chemicals to be introduced into contents of container. Do not contaminate water sources with equipment washwater, spray disposal wastes or by cleaning of equipment. Do not store near feed or food products. Do not use or store near open flame.

Disposal: Dispose of contents and container in accordance with local and national regulations. Triple rinse (or equivalent) adding rinse water to application tank. Offer container for recycling or dispose of in a sanitary landfill or by other procedures approved by local regulations. 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.

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

Fire: In case of fire, use alcohol resistant foam, CO₂, powder or water spray to extinguish.

Water Hardness (ppm)	Use Rate/100 Gallons
<200	1 quart
200-400	2 quarts
400-600	3 quarts
>600	4 quarts

GENERAL INFORMATION

Jackhammer® Elite is a water conditioning agent formulated to enhance pesticide performance by modifying the hardness of spray water. Jackhammer Elite imparts a neutral pH. Jackhammer Elite can reduce antagonism of the spray tank caused by hard water minerals such as calcium, iron & magnesium. Jackhammer Elite improves spray droplet spreading, deposition and penetration into the targeted leaf surface. Jackhammer Elite provides humectancy to spray droplets resulting in a slower drying time for enhanced uptake of active ingredients. Jackhammer Elite can be used for a wide range of pesticide and nutrient spray mixtures when accompanying labels recommend water conditioners and spreader-wetter adjuvants. The nitrogen in this product is intended to mitigate the effects of water hardness. This product is not intended as a substitute for ammonium sulfate in tank-mixes with herbicides which recommend specific use rates of ammonium sulfate.

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: 265 Gallons (1,003.13 L)

WA Reg. No. 48013-21012



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