



**SPRAY ADJUVANT
FOR BIOLOGICAL AND BIORATIONAL PESTICIDES**

***ACTIVE INGREDIENTS:**

Proprietary blend of polyalkyleneoxide modified organosilicones, aryl polyoxyalkane ether, and aliphatic ester of C₉C₁₂ fatty acids 99.0%

Ingredients ineffective as spray adjuvant 1.0%

TOTAL 100.0%

*All ingredients are accepted for use under CFR 40, 180.

This product contains organosilicone surfactant.

The composition of this product is protected by U.S. patent 5,104,647.

Do not apply this product with or following a sulfur application.

KEEP OUT OF REACH OF CHILDREN

WARNING

- May be harmful if swallowed
- May be harmful in contact with skin
- Causes eye irritation
- Causes mild skin irritation
- May be harmful if inhaled

NET CONTENTS: 2.5 Gallons (9.46 Liters)

SN 042915

MANUFACTURED FOR

HELENA CHEMICAL COMPANY
225 SCHILLING BOULEVARD, SUITE 300
COLLIERVILLE, TN 38017
901-761-0050

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING

BEFORE USING THIS PRODUCT, READ ALL PRECAUTIONS, DIRECTIONS FOR USE, CONDITIONS OF SALE-LIMITED WARRANTY AND LIMITATIONS OF LIABILITY AND REMEDIES.

May be harmful if swallowed. May be harmful in contact with skin. Causes eye irritation. Causes mild skin irritation. May be harmful if inhaled. Keep product locked up and out of the reach of children. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or smoking tobacco. Remove and wash contaminated clothing before reuse. Do not take internally. Avoid contact with or inhalation of spray application mist if present. Do not apply this product in such a manner as to directly expose workers or other persons. If product is being mixed with pesticides and/or spray adjuvants, follow all precautionary statements on the accompanying product(s) labeling. Not for human or animal consumption.

Personal Protective Equipment (PPE): Wear protective eyewear (goggles or face shield), chemical-resistant gloves, long-sleeved shirt and long pants, and shoes plus socks when using this product. Take off any contaminated clothing and wash before reuse.

FIRST AID

IF IN EYES:	<ul style="list-style-type: none"> • Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. • Call a poison control center or doctor for treatment advice.
IF SWALLOWED:	<ul style="list-style-type: none"> • Call a POISON CENTER or doctor immediately. • Rinse mouth. Do NOT induce vomiting. • Do not give anything by mouth to an unconscious person. • Immediately call a POISON CENTER or doctor.
IF INHALED:	<ul style="list-style-type: none"> • Move person to fresh air and keep at rest in a position comfortable for breathing if they feel unwell.

	<ul style="list-style-type: none"> • If not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. • Call a POISON CENTER or doctor for treatment advice.
IF ON SKIN OR HAIR:	<ul style="list-style-type: none"> • Take off immediately all contaminated clothing. Rinse skin with water or shower. • Get medical attention if irritation develops or persists. • Wash contaminated clothing before reuse.
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-424-9300 for emergency medical treatment information.	

STORAGE AND DISPOSAL

Keep container tightly closed. Do not allow water to be introduced to the contents of this container.

Do not store near heat or open flame.

Do not store with oxidizing agents or ammonium nitrate.

CONTAINER DISPOSAL: Dispose of empty containers by triple or pressure rinsing or equivalent, adding rinsant to the spray tank, then offer for recycling, or reconditioning, or puncture and dispose of according to State and local authorities. If burned, **STAY OUT OF SMOKE.**

ENVIRONMENTAL HAZARDS

Do not contaminate water sources by cleaning of equipment or disposal of washwaters.

GENERAL INFORMATION

JOINT VENTURE® is a proprietary blend of nonionic organosilicone surfactants and esterified fatty acids. It is designed for use with biological and biorational pesticides. **JOINT VENTURE®** is particularly effective with those products that contain Neem Oil, Azadirachtin, Spodoptera exigua NPV or Bacillus thurengensis (Bt) as active ingredients.

The addition of **JOINT VENTURE®** to a spray tank solution will improve a spray application by physically modifying the deposition and wetting characteristics of the spray solution, the result being a more uniform spray deposit. Although **JOINT VENTURE®** can positively affect the spray application, optimum application and effect can be affected by, but is not limited to, the pesticide or product, the carrier, crop, pest, spray equipment, spray volume, pressure, droplet size and environmental factors.

GENERAL RECOMMENDATIONS

The addition of a spray adjuvant to some pesticide or pesticide tank mix combinations may cause phytotoxicity to the foliage and/or fruit of susceptible crops or plants. Consequently, prior to the use of **JOINT VENTURE®** in a spray tank mix or prior to the application of a tank mix with a product where a nonionic spray adjuvant is not specifically recommended but not prohibited by the products label, the user or application advisor must have experience with the combination under similar environmental and cultural conditions, or have conducted a phytotoxicity test under these same conditions.

USE: May be applied by Ground, Aerial, Controlled Droplet Application (CDA) or aquatic spray equipment.

Ground, Aquatic: Use 1-2 pints per 100 gallons of spray solution. This is equivalent to 0.125%-0.25% volume/volume concentration.

Aerial, CDA: Use at a 0.35% to 1.0% volume/volume concentration. This is equivalent to 3-8 pints per 100 gallons of spray solution.

OR

When using 1-3 gallons of spray solution per acre, use 2-3 ounces per acre. When using more than 3 gallons of spray solution per acre, use 3-6 ounces per acre.

NOTE: Some pesticide(s) label(s) may recommend higher or lower rates of spray adjuvant. When this occurs, follow the pesticide(s) label(s) recommendations.

MIXING

1. Prior to any pesticide application all spray mixing and application equipment must be clean. Carefully observe all cleaning directions on the pesticide(s) label(s). To prevent or minimize foaming, fill tank to 2/3 to 3/4 full of water and add an anti-foaming agent such as **FOAM BUSTER™** to the spray tank before pesticides, nutrients, or **JOINT VENTURE®** are added.
2. Add pesticides and/or fertilizers as directed by label or in the following sequence:
 - A. Micronutrients and fertilizers

- B. Dry flowables and dispersible granules
 - C. Flowables
 - D. Water soluble pesticides
 - E. Emulsifiable concentrates
3. Continue agitation
 4. Add **JOINT VENTURE®** and mix for 1 to 2 minutes with lower than normal agitation.
 5. Continue filling tank maintaining minimal agitation.
 6. For optimum results, spray mixes containing **JOINT VENTURE®** should be applied within 36 hours after mixing.

**CONDITIONS OF SALE-LIMITED WARRANTY
AND LIMITATIONS OF LIABILITY AND REMEDIES**

Read the Conditions of Sale-Warranty and Limitations of Liability and Remedies before using this product. If the terms are not acceptable, return the product, unopened, and the full purchase price will be refunded.

The directions on this label are believed to be reliable and must be followed carefully. Insufficient control of pests and/or injury to the crop to which the product is applied may result from the occurrence of extraordinary or unusual weather conditions or the failure to follow the label directions or good application practices, all of which are beyond the control of Helena Chemical Company (the "Company") or the seller. In addition, failure to follow label directions may cause injury to crops, animals, man or the environment. The Company warrants that this product conforms to the chemical description on the label and is reasonably fit for the purpose referred to in the directions for use subject to the factors noted above which are beyond the control of the Company. The Company makes no other warranties or representations of any kind, express or implied, concerning the product, including no implied warranty of merchantability or fitness for any particular purpose, and no such warranty shall be implied by law.

The exclusive remedy against the Company for any cause of action relating to the handling or use of this product shall be limited to, at Helena Chemical Company's election, one of the following:

1. Refund of the purchase price paid by buyer or user for product bought, or
2. Replacement of the product used

To the extent allowed by law, the Company shall not be liable and any and all claims against the Company are waived for special, indirect, incidental, or consequential damages or expense of any nature, including, but not limited to, loss of profits or income. The Company and the seller offer this product and the buyer and user accept it, subject to the foregoing conditions of sale and limitation of warranty, liability and remedies.

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