



# RAINIER-EA™

## Nonionic Surfactant – Activator – Spreader

PRINCIPAL FUNCTIONING AGENTS:	% By Wt.
Polyoxyethylene polyol fatty acid ester, butyl lactate and alcohol ethoxylate phosphate ester .....	98.0%
CONSTITUENTS INEFFECTIVE AS SPRAY ADJUVANT .....	2.0%
TOTAL .....	100.0%

Surfactant Content.....88%

CA Reg. No. 2935-50200

WA Reg. No. 2935-15001

Formulated with ECO ADVANTAGE™, a patented eco-friendly delivery system plus a low foaming technology to improve horticultural spray applications by modifying the wetting and deposition characteristics of the spray mixture, resulting in a more uniform spray deposit. Ideal for use with pesticides applied to Crop and Other sites, including Aquatic, Non-Crop Vegetation, and Turf and Ornamental.

### KEEP OUT OF REACH OF CHILDREN

### CAUTION

### PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION:** Causes slight eye irritation. Avoid contact with eyes, skin or clothing. Avoid breathing vapor or spray mist. Wear chemical-resistant gloves when handling concentrate. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

FIRST AID	
If in eyes:	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
If on skin or clothing:	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water and continue for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
If swallowed:	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
If inhaled:	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
<p><b>Have the product container with you when calling a poison control center or doctor, or going for treatment. You may also contact EMERGENCY TELEPHONE NUMBERS:</b>            (800) 424-9300 CHEMTREC (transportation and spills)            (800) 222-1222 Poison Control Center (human health)            (888) 426-4435 ASPCA (animal health).</p>	

## GENERAL INFORMATION

RAINIER-EA™ is a low foaming nonionic surfactant. RAINIER-EA utilizes patented technology and is specially formulated to increase the deposition quality of various agricultural chemicals. It is designed to quickly wet and spread to produce a more uniform spray deposit. Specially formulated for eco- friendly applications, RAINIER-EA may also increase the absorption and translocation of systemic pesticide products by reducing surface tension of the spray droplets. RAINIER-EA can be used in crop and other sites, including aquatic, non-crop vegetation, and turf and ornamental.

## DIRECTIONS FOR USE

**Mixing Spray Solution:** Start with a clean sprayer. RAINIER-EA should be added to the tank according to the mixing order recommended on the pesticide product label. Agitate while mixing and during spraying.

Rates of RAINIER-EA may vary with plant characteristics, target site and environmental conditions at the time of application. The minimum rate of RAINIER-EA required to give uniform coverage will generally produce the best results. RAINIER-EA is a low foaming product and applying higher rates when required will not result in excessive foaming. Use the higher rates under, but not limited to, the following situations:

- Applications of systemic pesticides
- Applications made under adverse conditions
- When the higher rate is recommended on the pesticide label

Always follow the rates and application recommendations shown for nonionic surfactants on the pesticide label.

**Sensitive Crop or Site:** When applying to a sensitive crop or site, first treat a small area to determine any detrimental effects.

## USE RATES

### CROP USES

**Fungicides:** Use 2 to 32 fl. oz. of RAINIER-EA per 100 gallons of spray. The higher rate should be used as recommended on the pesticide manufacturer's label. Follow the rates and application recommendations shown for nonionic surfactants on the pesticide label.

**Foliar Nutrients:** Use 2 to 32 fl. oz. of RAINIER-EA per 100 gallons of spray.

**Herbicides, Defoliant and Desiccants:** Use 6 to 48 fl. oz. of RAINIER-EA per 100 gallons of spray for most applications. Follow the rates and application recommendations shown for nonionic surfactants on the pesticide label.

**Insecticides and Miticides:** Use 2 to 32 fl. oz. of RAINIER-EA per 100 gallons of spray. The higher rate should be used as recommended on the pesticide manufacturer's label. Follow the rates and application recommendations shown for nonionic surfactants on the pesticide label.

**Plant Growth Regulators:** Use RAINIER-EA at the rate stated on the Plant Growth Regulator (PGR) label. If there is no recommended rate for a nonionic surfactant on the PGR label, use 8 to 32 fl. oz. of RAINIER-EA per 100 gallons of spray.

## USE RATES (cont.)

### OTHER USES

**Aquatic:** For applications to control surface pests, algae and noxious weeds, use RAINIER-EA at a rate of 0.25 to 1% v/v of the total spray mix. Follow the rates and application recommendations shown for nonionic surfactants on the pesticide label.

**Non-Crop Vegetation:** Use 24 fl. oz. to 1 gallon of RAINIER-EA per 100 gallons of spray. Follow the rates and application recommendations shown for nonionic surfactants on the pesticide label.

**Turf and Ornamental:** Use 2 to 32 fl. oz. of RAINIER-EA per 100 gallons of spray. Follow the rates and application recommendations shown for nonionic surfactants on the pesticide label.

**Backpack or Handheld Sprayers:** Use 1 to 2 tablespoons (1/2 to 1 fl. oz.) per gallon of spray. Follow the rates and application recommendations shown for nonionic surfactants in backpack or handheld sprayers on the pesticide label.

### RATE EXCEPTION:

**Higher Rates:** For products where the label permits the use of a nonionic surfactant at a higher rate, follow the instructions as shown on the pesticide label. Use caution at the higher application rates.

**Maximum Rate: DO NOT ADD THIS PRODUCT AT A RATE THAT EXCEEDS 5% OF THE FINISHED SPRAY VOLUME.**

### STORAGE AND DISPOSAL

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

**PRODUCT STORAGE:** Store in original container only and keep container tightly sealed. Do not allow water to be introduced to the contents of this container. Do not contaminate water sources by runoff from cleaning of equipment, disposal of equipment washwaters, or spray waste. Store in closed storage areas. Do not store near heat or open flame. Use caution when moving, opening, closing or pouring.

**PRODUCT DISPOSAL:** Improper disposal of excess spray mixtures or rinsate is a violation of federal law. Wastes resulting from use of this product may be disposed of through on-site spray application, or at an approved waste disposal facility.

**CONTAINER HANDLING:** Triple rinse (or equivalent), then offer for recycling or reconditioning. Recycling cleaned containers is the best option of container disposal. ACRC (Agricultural Container Recycling Council) operates a national recycling program. To contact your state or local ACRC recycler, visit the ACRC web page at [www.acrecycle.org](http://www.acrecycle.org). Alternatively, puncture and dispose of the container in a sanitary landfill or by incineration. Do not burn unless allowed by state and local ordinances. If burned, stay out of smoke. Burning is not a legal method of container disposal in Washington State.

Conditions of Sale and Limitation of Warranty and Liability:

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using the product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded

**ALL STATEMENTS MADE HEREIN ARE SUBJECT TO APPLICABLE LAW, AND TO THE EXTENT THERE IS ANY INCONSISTENCY OR CONTENTION, APPLICABLE LAW SHALL GOVERN.**

The Directions for Use of the product must be followed carefully. 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 many different factors including, without limitation, manner of use or application, weather, combination with other products, or crop conditions. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Manufacturer and Seller harmless from any claims relating to such factors.

**Seller warrants that this product conforms to the chemical description on the label. EXCEPT FOR THIS WARRANTY, THE PRODUCT IS FURNISHED "AS-IS", AND NEITHER SELLER NOR MANUFACTURER MAKES ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, WITH RESPECT TO THE SELECTION, PURCHASE OR USE OF THIS PRODUCT; SELLER AND MANUFACTURER SPECIFICALLY DISCLAIM ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE BEYOND WHAT IS STATED ON THE LABEL. Buyer and User accept all risks arising from any use of this product, including without limitation, uses contrary to label instructions, or under conditions not reasonably foreseeable to (or beyond the control of) Seller or Manufacturer.**

Neither Manufacturer nor Seller shall be liable for any incidental, consequential or special damages resulting from the use or handling of this product. THE EXCLUSIVE REMEDY OF THE BUYER OR USER, AND THE EXCLUSIVE LIABILITY OF MANUFACTURER AND SELLER, FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THIS PRODUCT, OR, AT THE ELECTION OF MANUFACTURER OR SELLER, THE REPLACEMENT OF THE PRODUCT.

These Conditions of Sale and Limitation of Warranty and Liability shall be interpreted, unless otherwise required by the law of the state of purchase, in accordance with the laws of the State of California, excluding its conflicts of laws rules, and may not be amended by any oral or written agreement.

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**In Case of Emergency, Call CHEMTREC:  
(800) 424-9300**

**WILBUR-ELLIS COMPANY LLC**  
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