

RAINIER-EA®

RAINIER-EA® is a high concentration nonionic (NIS) adjuvant designed for optimal activation and penetration of pesticide(s). This is achieved by providing the best deposit composition to improve active ingredient diffusion and absorption. RAINIER-EA provides uniform coverage of the spray droplets onto the plant tissue itself. RAINIER-EA provides premium performance for pesticides requiring an NIS surfactant.

Features:

- High concentration NIS formulated to increase uptake from spray droplet deposits.
- Reduces surface tension of spray droplets and provides uniform foliage coverage.
- Low foaming technology.
- Labeled for aquatic use.
- NPE free product.

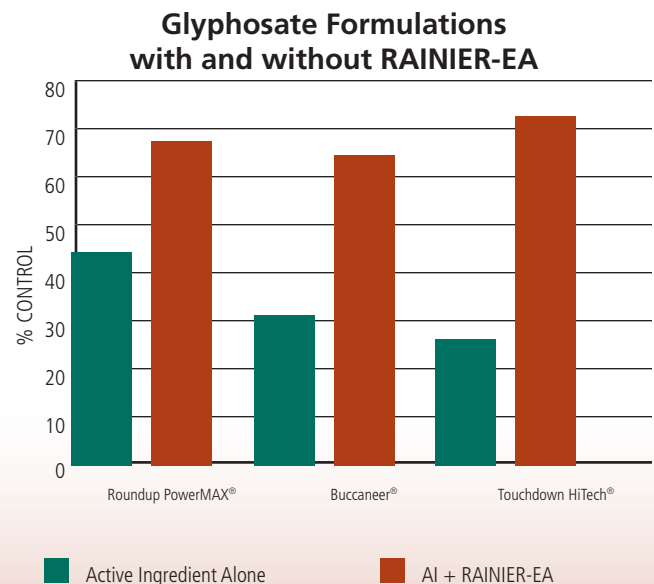
Focus Areas:

- Row Crops
- Turf and Ornamental
- Vegetation Management
- Non-Crop

Applications: Aerial and Ground

Benefits:

- Quickly wets and spreads, allowing for uniform coverage.
- Increases absorption and translocation of systemic products into the plant tissue.
- Ease of use with less foam resulting in the final tank solution.
- Can be used with aquatically labeled pesticides.
- Excellent safety and handling.



Dr. Richard Zollinger at North Dakota State University utilized sub-lethal active ingredient rates on multi-weed species to stress the activity of the tank mixes and provide a more clear comparison of adjuvants across multiple weed species.

Principal Functioning Agents

Alkoxylated polyol ester, alkyl ether anionic, butyl lactate and other components.....	98.0%
Constituents ineffective as spray adjuvant.....	2.0%
TOTAL.....	100.0%

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, turf and ornamental.

Use Directions

ALWAYS READ AND FOLLOW LABEL INSTRUCTIONS.

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 for nonionic surfactants as shown on the pesticide label.

SENSITIVE CROP OR SITE: When applying to a sensitive crop or site, first treat a small area to determine any adverse effects.

Use Rates

ALWAYS FOLLOW RATES AND APPLICATION RECOMMENDATIONS FOR NONIONIC SURFACTANTS AS SHOWN ON THE PESTICIDE LABEL.

Fungicides: Use 2 to 32 fluid ounces of RAINIER-EA per 100 gallons of spray.

Foliar Nutrients: Use 2 to 32 fluid ounces of RAINIER-EA per 100 gallons of spray.

Herbicides, Defoliants and Desiccants: Use 6 to 48 fluid ounces of RAINIER-EA per 100 gallons of spray for most applications.

Insecticides and Miticides: Use 2 to 32 fluid ounces of RAINIER-EA per 100 gallons of spray.

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

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.

Non-Crop Vegetation: Use 24 fluid ounces to 1 gallon of RAINIER-EA per 100 gallons of spray.

Turf and Ornamental: Follow the rates and recommendations for nonionic surfactants as shown on the pesticide label.

Backpack and Handheld Sprayers: Use 1 to 2 tablespoons (0.5 to 1 fluid ounce) of RAINIER-EA per gallon of spray.

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 EXCEEDING 5% OF THE FINISHED SPRAY VOLUME.**



ECO ADVANTAGE

EA.wilburellis.com

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