

SPEAR II

PREMIUM

PENETRATING AND BUFFERING AGENT

SPEAR II is a non-ionic spray enhancement adjuvant.
SPEAR II improves penetration and control over the entire spray process.

KEEP OUT OF REACH OF CHILDREN


CAUTION

SEE STATEMENT OF PRACTICAL TREATMENT FOR FURTHER INFORMATION.
READ AND UNDERSTAND ALL LABEL DIRECTIONS PRIOR TO USE.

Active Ingredients	
Paraffin Base Petroleum Oil, Polyol Fatty Acid Esters, and Alkyl Aryl Polyoxyethylene Phosphate	98%
Esters	2%
Components Ineffective as Adjuvants	2%
Total	100%

All ingredients are exempt from the requirements of a tolerance (40CFR 180.1001).

EPA Est. No. 1386-OH-1


Net Contents:
2 ½ Gallons

Distributed by:
Universal Crop Protection Alliance® LLC

Eagan, MN 55121

STATEMENT OF PRACTICAL TREATMENT

If On Skin: Remove contaminated clothing. Wash skin with plenty of soap and water. Launder contaminated clothing before reuse.

If Swallowed: Do not induce vomiting or give anything by mouth to an unconscious person. If person is conscious, drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Get medical attention.

For Medical Emergency information call 1-800-228-5635, extension 138.

DIRECTIONS FOR USE

REFER TO ATTACHED LABEL BOOKLET FOR ADDITIONAL PRECAUTIONARY STATEMENTS AND DIRECTIONS FOR USE. READ ALL DIRECTIONS FOR USE BEFORE APPLYING THIS PRODUCT.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited. Pesticide Disposal: Pesticide wastes are toxic. Improper disposal of excess pesticide spray mixture or rinsate is a violation of Federal law and may contaminate groundwater. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Container Disposal: Do not reuse empty container. Triple rinse (or equivalent) and offer for recycling reconditioning, or puncture and dispose of in a sanitary landfill, incineration or, if allowed by state and local authorities, by burning. If burned stay out of smoke.

WARRANTY AND LIMITATION OF DAMAGES

Seller warrants that this material conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use and **Buyer** assumes the risk of any use contrary to such directions. **Seller** makes no other express or implied warranty, including any other express or implied warranty of **Fitness** or **Merchantability**, and no agent of **Seller** is authorized to do so except in writing with a specific reference to this warranty. In no event shall **Seller's** liability for any breach of warranty exceed the purchase price of the material as to which a claim is made.

Distributed by: Universal Crop Protection Alliance® LLC, Eagan, MN 55121

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

Harmful if swallowed. Avoid contact with skin. Avoid breathing spray mist. Wash hands after using. Do not store near feed or food products.

DO NOT USE, POUR, SPILL, OR STORE NEAR HEAT OR OPEN FLAME. USE ADEQUATE VENTILATION WHEN HANDLING.

WARNING! CAUSES EYE IRRITATION

Avoid contact with eyes. In case of contact, flush eyes with water for at least 15 minutes and get medical attention.

PEEL HERE TO OPEN ►

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

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Acid Esters, and Alkyl Aryl Polyoxyethylene
Phosphate Esters 98%

Components Ineffective as Adjuvants 2%

Total 100%



0 3 6 7 0 0 2 0 0 5 8 7

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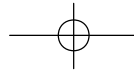
EPA Est. No. 1386-OH-1

**Net Contents:
2 1/2 Gallons**

**Distributed by:
Universal Crop Protection Alliance[®], LLC**



Eagan, MN 55121



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GENERAL INFORMATION

Spear II is a premium blend of superior surfactants, non-phytotoxic spray oil and buffering agents. It is formulated for use with any pesticide that recommends the use of an oil or crop oil concentrate and/or with fertilizer products.

Spear II has a unique penetrating agent designed to dissolve waxy cuticles of leaf surfaces and permeate chitin layers of insects. It also acts as a spreader-sticker, enhancing residual activity and pesticide efficacy. Spear II can be used as a buffering agent to adjust the pH of alkaline solutions and reduce hydrolysis of pesticides which decompose in alkaline waters.

DIRECTIONS FOR USE

As a deposition aid (wetting, spreading, and penetration agent):
Use 1-8 pints of Spear II per 100 gallons of water in ground equipment. In difficult wetting situations such as hard water or mature waxy foliage, use the higher rate. Always follow the pesticide label if higher or lower volumes are suggested.

Apply 1/2 pint per acre by air or in low volume applications. Use sufficient Spear II to form a smooth uniform spray deposit. Always follow the pesticide label if higher or lower volumes are suggested.

As a buffering agent: (See Buffering Capacity Chart)
Use 3 to 15 pints of Spear II per 100 gallons of water to lower the pH of the spray solution. Rates may vary depending on the alkalinity of the water or the presence of other products in the spray mix. The use of a pH measuring device or pH meter may be necessary. Typically, tank mixes are most effective at pH's between 5 and 7.

BUFFERING CAPACITY CHART

		BEGINNING pH OF WATER					
		10	9	8	7	6	5.5
FINAL pH of WATER	10	0	0	0	0	0	0
	9	3 pts	0	0	0	0	0
	8	6 pts	3 pts	0	0	0	0
	7	9 pts	6 pts	3 pts	0	0	0
	6	12 pts	9 pts	6 pts	3 pts	0	0
	5.5	15 pts	12 pts	9 pts	6 pts	3 pts	0

TO READ THE ABOVE CHART:

1. Find the pH of your water.
2. Find the pH you want your water to be.
3. Find where these two values intersect on the chart.
4. This is the number of pints of Spear II to add per 100 gallons of water.

MIXING

Fill spray tank one-half full with water and begin agitation. Add pesticides and/or fertilizers as directed by labeling or in the following sequence:

1. Dry flowables
2. Wettable powders
3. Flowables
4. Solutions
5. Emulsifiable concentrates

Continue filling. Add Spear II last and continue agitation.

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