



## NonIonic Spray Adjuvant

<b>ACTIVE INGREDIENTS</b>	
Proprietary Blend of Polyether-Polymethylsiloxane-Copolymer, Nonionic Emulsifiers, and Methylated Seed Oils	100%
<b>TOTAL</b>	<b>100%</b>

This product contains Organo-Modified Siloxane Surfactant.  
All ingredients are exempt from tolerance as specified in 40 CFR 180.1001(c).

KEEP OUT OF REACH OF  
CHILDREN

### CAUTION

Read Entire Label for  
Additional Precautionary  
Statements

Manufactured By:  
**Coastal AgroBusiness, Inc.**  
Greenville, North Carolina

**SPECTRUM** is a proprietary blend of highly refined methylated seed oils whose emulsifier/surfactant system is based on Organo-Modified Siloxane chemistry. **SPECTRUM** is a superior penetrator and is very effective at lowering the surface tension of spray solutions. **SPECTRUM** is designed for use with those pesticides or products whose labels recommend the addition of a nonionic spray adjuvant to improve coverage and penetration. Because of its properties, **SPECTRUM** can improve spray coverage and enhance pesticide performance. It is especially effective in postemergence herbicide and desiccant/defoliant sprays and is well suited for use under adverse weather conditions. This product has been found to increase the stability of some volatile herbicides. Subject to the limitations and cautionary use statements for this product, **SPECTRUM** may be used whenever the pesticide label calls for a superior nonionic

adjuvant, penetrator or crop oil concentrate.

**NOTE:** Do not use this product through any type of irrigation system. If the use of a nonionic adjuvant or crop oil is not specifically recommended but is not prohibited, the user should have experience with the combination or must have conducted a phytotoxicity trial. Due to variations in materials, application equipment, waters and other conditions, the optimum use rate may vary. Sufficient **SPECTRUM** should be added so that the spray uniformly wets the surface being treated and allows an even deposit of the active chemical without excessive runoff.

#### ALWAYS READ AND FOLLOW PESTICIDE MANUFACTURER'S LABEL

#### SHAKE WELL BEFORE USE

#### PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS

**CAUTION:** Can cause eye irritation and/or damage. Avoid contact with eyes, skin or clothing. Wear goggles or face shield when handling. May be harmful if swallowed or inhaled. Avoid breathing vapors or spray mists. Use only with adequate ventilation. Wash thoroughly after handling. Remove and wash contaminated clothing before reuse. Do not apply this product in such a manner as to directly or through drift expose workers or other persons. Always read and follow pesticide manufacturer's label(s).

#### STATEMENT OF PRACTICAL TREATMENT

**IF INHALED:** Remove immediately to fresh air. Give artificial respiration if necessary. If breathing is difficult, get immediate medical attention.

**IF SWALLOWED:** Give large amounts of water and induce vomiting. Get immediate medical attention. Never induce vomiting or give anything by mouth to an unconscious person.

**IF IN EYES:** Flush eyes with copious amounts of clean water for at least 15 minutes holding eyelids apart to ensure flushing of entire eye surface. Get medical attention.

**IF ON SKIN:** Remove contaminated clothing and wash skin with soap and water. If irritation develops, get medical attention.

**NOTE:** If contact is made with the spray solution containing pesticides, follow the "Statement of Practical Treatment" on the pesticide label.

#### STORAGE AND DISPOSAL

Do not store near heat or open flame. Store in original container only in a cool,

well ventilated area. Keep container tightly closed and do not allow water to be introduced into the contents of this container. Keep from freezing. If damaged or leaking, soak up with absorbent material and place in suitable container for disposal. Transfer remaining product to suitable container for storage and label. Do not contaminate water, food or feed by storage or disposal. Do not contaminate water by runoff from equipment wash waters or spray materials. Wastes resulting from this product may be disposed of on site or at an approved waste disposal facility.

**Container Disposal:** Triple rinse (or equivalent) and add rinsate to spray tank, then offer for recycling, or puncture and dispose of in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

#### AGRICULTURAL USE REQUIREMENTS AND USER SAFETY RECOMMENDATIONS

Rubber gloves, goggles and/or face shield are recommended when handling this product. Consult pesticide manufacturer's label for worker protection recommendations.

#### DIRECTIONS FOR USE

Most pesticide manufacturers recommend an optimum concentration of nonionic adjuvant, penetrator or crop oil concentrate to be used with their product. This concentration is typically 0.5% to 1.0% v/v of the final spray mixture. Because of its superior penetrating properties and highly active chemistry, the optimum use rate of **SPECTRUM** is 0.25% to 0.5% of the final spray mixture. If the pesticide label does not specifically recommend nor prohibit the use of a nonionic adjuvant, penetrator or crop oil, **SPECTRUM** may be used at the rates derived from the following chart:

Application Notes: **SPECTRUM** may be used for improved coverage and penetration in applications where a nonionic adjuvant, penetrator or crop oil is not specifically recommended but is not prohibited. In these situations, the applicator or advisor should have experience with the combination or must have conducted a phytotoxicity trial. General use rates on this label are based on pesticide labels which recommend a nonionic adjuvant, penetrator or crop oil concentrate. Rates of this product may be increased or decreased to achieve optimum results. Shake well before use. Always read and follow the pesticide manufacturer's label.

#### HERBICIDES

**SPECTRUM** may be used in preemerge no-till, postemerge over-the-top and post-directed applications to enhance coverage and penetration of spray mixtures. Unless otherwise directed by manufacturer of herbicides labeled for post emergence use of products, follow the Rate Selection Chart above for application rates. **SPECTRUM** is also recommended for use with non-selective herbicides. For optimum results, actual rates may vary depending on plant size, type of foliage to be covered and other environmental factors. For improved performance of preplant and preemergent herbicides, premix **SPECTRUM** at a 1:1 ratio with the active ingredient of the herbicide

**DESICCANTS and DEFOLIANTS**

**SPECTRUM** is recommended for use with defoliant and herbicides used for desiccation/defoliation. This product may be used with defoliant to improve coverage and penetration and can enhance leaf drop. Use the upper rate limits on the Rate Selection Chart above when using this product with desiccants and defoliant.

**MIXING**

1. To prevent or minimize foaming, fill tank 1/2 full of water and add an antifoaming agent such as **Foam-Eater**.
2. Add agrichemicals and/or fertilizers/micronutrients and agitate. Combinations of agrichemicals may require the use of a compatibility agent such as **Co-Mix**.
3. Add **SPECTRUM** and mix 1 to 2 minutes with lower than normal agitation.
4. Continue filling tank maintaining minimal agitation.
5. Best results are obtained if spray mix is used within 48 hours of mixing.

RATE SELECTION CHART	
SPRAY VOLUME PER ACRE (GPA)	PINTS OF SPECTRUM PER 100 GALLONS
10 gallons or less	4 to 6
10 to 50 gallons	2 to 4
Aerial Applications (Under 3 GPA)	5 to 6
Aerial Applications (Over 3 GPA)	6 to 8

**NOTICE:** Seller warrants that this product conforms to its chemical description and is reasonably fit for the purpose stated on the label when used in accordance with the directions contained on this label under normal conditions of use, but neither this warranty nor any other warranty of merchantability or fitness for a particular purpose, express or implied, extends to the use, storage or handling of this product contrary to label instructions, or under abnormal conditions, or under

conditions not reasonably foreseeable to seller, and buyer assumes the risk of any such use. These risks include, but are not limited to damage to plants, crops, and animals to which the material is applied, failure to control pests, damage caused by drift to other plants or crops, and personal injury.