OMRI LISTED For Organic Use

Formulated for insect and mite control on crops, greenhouses, turf & ornamentals, and golf courses

Entrapment® SP

Insecticide powered by Rhexalloid™ Technology†

Active Ingredient:	
Xanthan Gum	0.15%
Other Ingredients	99.85%
TOTAL	100.00%

KEEP OUT OF REACH OF CHILDREN

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.
(If you do not understand the label, find someone to explain it to you in detail.)

SEE BOOKLET FOR PRECAUTIONARY STATEMENTS, DIRECTIONS FOR USE AND WARRANTY DISCLAIMERS

RECOMMENDED STORAGE ABOVE 50°F

NET CONTENTS:
☐ 1 gal (3.79L)
☐ 2.5 gal (9.46L)

attune | Proven Science. Precise Performance. Smarter Agriculture.®

PATENT PENDING

EPA Reg. No. 92988-2
EPA Est. No. 87193-FL-1

MANUFACTURED FOR:
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PRECAUTIONARY STATEMENTS

Wear appropriate personal protective equipment (PPE). Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Socks and Shoes

Follow the manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

User Safety Recommendations

Users should:

- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling product. Wash outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.
- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

Environmental Hazards

For Terrestrial Uses: Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high-water mark. Do not contaminate water when cleaning equipment or disposing of equipment wash water or rinsate.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the State or Tribal agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on the label about personal protective equipment, restricted-entry interval, and notification to workers.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 4 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil or water, is:

- Coveralls
- Shoes plus socks
- Chemical resistant gloves (made of any waterproof material)

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Keep unprotected persons and children and pets out of the treated area until sprays have dried.

General Product Information and Mode of Action

Entrapment SP is an insecticide that has a physical mode of action and adheres the pest to the leaf, and/or engulfs the pest causing suffocation. Entrapment SP must contact the target pest, and thorough spray coverage is essential for effective control.

Entrapment SP controls many small, soft bodied pests including aphids, mites, psyllids, scales, thrips, leafhoppers and whiteflies. Entrapment SP has been shown as effective against soft bodied insects and pests that are 4 mm and smaller in length. Entrapment SP controls the early stages (1st and 2nd instar) of certain small foliage feeding caterpillars. When treating caterpillar populations that have a mix of early and late stages, add an insecticide that is registered for use for control of the pest on the target plant.

For indoor and outdoor usage on ornamental plants, turf and agricultural crops.

Entrapment SP can be applied using standard application equipment that includes ground, airblast, backpack, and aerial (including ultra-low volume and drone) spray.

Mixing Instructions

Entrapment SP requires hydration to activate the active ingredient. Consequently, the sequence of product mixing is extremely important. Water must be the first ingredient added to the spray tank. Use half the total amount of water per the Application Directions below for initial mixing. Entrapment SP must be the first product after water to be added to the spray tank and agitated. If needed, water conditioners can be added before the addition of Entrapment SP if water quality necessitates the use of such products. After thoroughly mixing Entrapment SP and water, additional products may be added with agitation as per their label recommendations. After the additional products have been thoroughly mixed, the remaining quantity of water must be added and agitated. Follow the most restrictive of the labeling limitations and precautions of all products used in mixtures. Entrapment SP may thicken at product temperatures below 50°F. For best results, tank mix when product temperature is at or above 50°F. When product temperatures are at or below 50°F, additional mixing of up to 5 minutes may be required to reach a uniform consistency. In the event that Entrapment SP is being stored at temperatures below 50°F, place in an environment that will allow the product temperature to reach at least 50°F prior to mixing for shorter mixing times.

Tank Mix Compatibility
Insecticides/Miticides and Fungicides: Entrapment SP is compatible with a wide range of insecticides, miticides and fungicides provided they are added to the tank after Entrapment SP has been added and thoroughly agitated. Follow label requirements for any tank mix partner.
Horticultural Oils (such as mineral and petroleum oils): Entrapment SP is compatible with most oils provided that: 1) the oils are being applied at concentrations of 2% or less in accordance with their label, and 2) Entrapment SP is added to the tank mix and thoroughly agitated before the addition of the oil.
Deposition Aids: With the exception of horticultural oils noted above, for best results, tank mix Entrapment SP with deposition aids that do not contain surfactants and whose primary active ingredient is a hydrocolloid. Consult with Attune Agriculture LLC for compatible deposition aids.
Surfactants, Spreaders, Spreader/Stickers: Entrapment SP's mode of action is physical. When surfactants or spreaders are tank mixed with Entrapment SP, they alter the physical properties of the spray, which reduces the insecticidal properties of the spray. Therefore, do not mix Entrapment SP with any adjuvant that contains ingredients that promote drop spreading.

Insect Resistance Management
Some insect and mite pests may develop resistance to products after repeated use. Entrapment SP can be used in Insect Resistance Management (IRM) programs to reduce the likelihood of resistance development.
IRM Practices include:
- Incorporating IPM techniques into your insect and mite control program.
- Monitoring treated insect populations for loss of field efficacy.
- Avoiding use of insecticides with the same target site of action group for season long control of pests that have multiple generations, instead, rotate sprays with insecticides having different target site of action group.
- Using tank-mixtures with insecticides from a different target site of action group.

Entrapment SP has a physical mode of action and can be used with insecticides with any mode of action. Entrapment SP can be used in rotation or tank-mixture strategies.

Application Directions
Application Rate: Apply 8 fl oz to 64 fl oz Entrapment SP per 100 gallons of spray to achieve a spray concentration ranging from 0.0625% to 0.5% (% volume : volume). Refer to conversion chart below for guidance on amount of product to use per 100 gallons to achieve various application rates. Effective insect control with Entrapment SP requires the correct concentration in the spray and thorough coverage of the target plant. Refer to table below for use rate ranges per pest. It is recommended that the product should be used at >50°F as it is easier to mix, load and apply. The product can be used below 50°F; however, it tends to be more viscous and could be harder to handle.

Amount of product per 100 gallons (quarts)	Amount of product per 100 gallons (pints)	Amount of product per 100 gallons (fl. oz.)	%v/v
0.25	0.5	8	0.0625
0.5	1	16	0.125
1	2	32	0.25
2	4	64	0.50

Pest	**Use rate range (%v/v)**
Aphid	0.0625% - 0.25%
Thrips	0.0625% - 0.25%
Leafhoppers	0.125% - 0.5%
Whiteflies	0.0625% - 0.5%
Mites	0.0625% - 0.5%
Psyllids	0.0625% - 0.25%
Scales	0.0625% - 0.5%
1st and 2nd instar caterpillars	0.125%
Hemipterans	0.0625% - 0.5%
Beetles	0.125% - 0.5%

Spray Volume: Apply 2 – 1000 gallons of spray per acre. The amount of spray applied per acre is dependent on the surface area of the use site that is being treated. Early growth stages of plants will generally require less spray volume than later growth stages. Plants with less foliage, such as bulb vegetables and legumes, will require less spray volume than higher foliage plants, such as citrus and pome fruits as well as tree nuts.
The application rates and spray volumes of Entrapment SP applications must be sufficient to provide thorough coverage of the target use site as the spray must contact the insect pest to be effective.
Application Timing: For optimum results, apply Entrapment SP at the first sign of infestation and apply every 7 to 10 days as needed.

Spray Drift Management

The applicator is responsible for not allowing spray to drift from the application site. For ground boom applications, apply with nozzle height no more than 4 feet above the crop canopy and when wind speed is 15 mph or less at the application site. For orchard/vineyard airblast applications, do not direct spray above trees/vines and turn off outward pointing nozzles at row ends and outer rows. Apply only when wind speed is 3-10 mph at the application site as circumstances allow. Do not apply above 15 mph wind speed. For aerial applications, the boom width must not exceed 75% of the wingspan or 90% of the rotary blade. Use upwind swath displacement and apply when wind speed is 3-10 mph as circumstances allow. Do not apply above 15 mph wind speed. If the application area includes a no-spray zone, do not release spray at a height greater than 10 feet above the crop canopy unless there are pilot safety concerns.

Droplet Size

Entrapment SP has a physical mode of action that requires the target pest to come into direct contact with a droplet while it is in a liquid state. The droplet must adhere to the leaf and must be of sufficient size to entrap the target pest. Drops that are less than 105 microns in diameter are prone to drift and may not be of sufficient size to entrap the target pest. Therefore, Entrapment SP must be applied using nozzles and spray pressures that minimize the production of spray drops that are less than 105 microns in diameter.

Restrictions for Tank Mixing with Surfactants and Spreaders

Viscosity and surface tension play an important role in determining drop diameter as the spray moves through the nozzle orifice. Drop diameters increase with increases in spray viscosity. Xanthan gum increases spray viscosity. Surfactants and spreaders limit viscosity and reduce surface tension, increasing the potential for production of small drift prone drops. Entrapment SP must not be tank mixed with adjuvants containing surfactants, spreaders, wetting agents or organosilicones but can be tank mixed with hydrocolloid based adjuvants. Consult with Attune Agriculture LLC for compatible adjuvants.

Drift Reduction Agents

Entrapment SP exhibits a level of drift control. If conditions merit an additional drift reduction agent, the only DRAs that should be tank mixed with Entrapment SP are hydrocolloid based products. Consult with Attune Agriculture LLC for compatible drift reduction agents.

Entrapment SP is Effective Against the Following Pests

Aphids including:			
Apple aphid	Filbert Aphid	Pea Aphid	Rosy Apple Aphid
Blackmargined Aphid	Foxglove Aphid	Potato Aphid	Woolly Apple Aphid
Cabbage Aphid	Green Peach Aphid	Red Aphid	Sugarcane Aphid
Cotton Aphid	Lettuce Aphid	Rose Aphid	

1st and 2nd Instar Caterpillars including:			
Beet Armyworm	Diamondback Moth	Soybean Podworm	Velvetbean Caterpillar
Corn Earworm	Imported Cabbageworm	Tobacco Budworm	
Cabbage Looper	Navel Orangeworm	Tomato Hornworm	
Codling Moth	Soybean Looper	Tomato Fruitworm	

Leafhoppers including:		
Grape Leafhopper	Rose Leafhopper	Western Grape Leafhopper
Potato Leafhopper	Virginia Creeper Leafhopper	White Apple Leafhopper

Psyllids including:			
Asian Citrus Psyllid	Pear Psylla	Potato Psyllid	Tomato Psyllid

Scales including:			
Black Scale	California Red Scale	Cottony Cushion Scale	San Jose Scale
Brown Soft Scale	Citricola Scale	European Fruit Lecanium	

Beetles* including:
Flea Beetle*

Thrips including:				
Citrus Thrip	Gladiolus Thrip	Chili Thrip	Onion Thrip	Western Flower Thrip
Florida Flower Thrip	Grape Thrip	Melon Thrip	Pear Thrip	

Whiteflies including:			
Ash Whitefly	Citrus Whitefly	Silverleaf Whitefly	Wooly Whitefly
Banded-wing Whitefly	Cloudy-winged Whitefly	Sweet Potato Whitefly	
Bayberry Whitefly	Greenhouse Whitefly	Variegated Whitefly	

Mites including:		
Broad Mites	Pacific Spider Mite	Two-spotted Spider Mite
Cyclamen Mites	Hemp Russet Mites	Citrus Rust Mite

Hemipterans* including:	
Chinch bugs*	Plant bugs*

Entrapment SP can be used on indoor and outdoor vegetable, fruit and other food crops, including:

Stalk, Stem and Leaf Petiole Vegetables (Crop Group 22) including:			
Agave	Bamboo shoots	Florence	Palm hearts
Aloe vera	Celtuce	Fern	Prickly pear
Asparagus	Fennel	Kohlrabi	

Cucurbit Vegetables (Crop Group 9) including:					
Bitter Melon	Chinese Wax gourd	Cucumber	Honey Balls	Muskmelon	Watermelon
Cantaloupe	Citron melon	Gherkin	Honeydew	Pumpkin	
Casaba	Crenshaw	Gourds	Mango Melon	Squash	

Cereal Grains (Crop Group 15) including:			
Barley	Millet	Oats	Sorghum
Buckwheat	Triticale	Popcorn	Wheat
Corn	Rye	Rice	

***Not for use in California**

Berries (Crop Group 13) including:				
Blackberry	Currant	Kiwi	Loganberry	Strawberry
Blueberry	Dew Berry	Grapes	Olallieberry	
Boysenberry	Elderberry	Huckleberry	Raspberry	

Hops

Brassica (Cole) Crops (Crop Group 5) including:			
Bok Choy	Brussels Sprouts	Chinese Cabbage	Kale
Broccoli	Cabbage	Cavolo Broccolo	Kohlrabi
Broccoli Raab	Cauliflower	Collards	Mustard Greens

Sugarcane

Leafy Vegetables (Crop Group 4) including:				
Arugula	Chinese Celery	Swiss Chard	Orach	Spinach
Cardoon	Chinese Spinach	Dandelions	Parsley	Turnip Greens
Celery	Corn Salad (Mache)	Dock (Sorrel)	Purslane	
Celtuce	Chrysanthemum	Fennel	Radicchio	
Chervil	Cress	Lettuce	Rhubarb	

Legumes (Crop Group 6) including:					
Beans	Chickpeas	Guar	Lentil	Peas	Soybeans

Bulb Vegetables (Crop Group 3) including:			
Garlic	Leek	Onion	Shallot

Pome Fruits (Crop Group 11) including:					
Apple	Crabapple	Loquat	Mayhaw	Pear	Quince

Citrus Fruits (Crop Group 10) including:				
Calamondin	Kumquat	Lime	Orange	Satsuma
Grapefruit	Lemon	Mandarin	Pummelo	Tangerine

Stone Fruits (Crop Group 12) including:				
Apricot	Cherry	Peach	Plumcot	Prune
Aprium	Nectarine	Plum	Pluot	Jujube

Corn (all types)

Cotton

Tree Nuts (Crop Group 14) including:					
Almond	Brazil Nut	Cashew	Filbert	Macadamia	Pistachio
Beech Nut	Butternut	Chinquapin	Hickory	Pecan	Walnut

Tropical and Subtropical Fruit, Edible Peel (Crop Group 23) including:		
Fig	Palm Fruit	Persimmon

Tropical and Subtropical Fruit, Inedible Peel (Crop Group 24) including:	
Pawpaw	Pomegranate

Root and Tuber Crops (Crop Group 1) including:					
Artichoke	Celeriac	Ginseng	Parsnip	Salsify	Yam
Beet	Chervil	Horseradish	Potato	Sweet Potato	Yam Bean
Carrot	Daikon	Japanese Radish	Radish	Turmeric	
Cassava	Ginger	Jicama	Rutabaga	Turnip	

Water chestnut

Fruiting Vegetables (Crop Group 8) including:			
Eggplant	Pepper	Tomato	Hibiscus

Entrapment SP can be used on Turf Grasses, including:

Annual Bluegrass	Centipede Grass	Seashore Paspalum
Annual Ryegrass	Fescue	Wheatgrass
Bentgrass	Perennial Ryegrass	Zoysia Grass
Bermuda Grass	St. Augustine Grass	

Entrapment SP can be used on indoor and outdoor Ornamental Plants, including:

Flowering Plants including:					
Amaryllis	Chrysanthemum	Fuchsia	Marigold	Poinsettia	Violets
Anemone	Dahlia	Hydrangea	Orchid	Poppy	Zinnia
Aster	Dianthus	Impatiens	Pansy	Primrose	
Begonia	Daffodil	Iris	Phlox	Rose	
Caladium	Hosta	Lilac	Peony	Sweet Pea	
Carnation	Daisy	Lilies	Petunia	Tulips	

Trees including:						
Ash	Cedar	Cyprus	Willow	Juniper	Oak	Spruce
Beech	Chestnut	Dogwood	Fir	Maple	Palm	
Birch	Crape Myrtle	Ficus	Elm	Mulberry	Pine	

Shrubs including:					
Arborvitae	Boxwood	Euonymus	Juniper	Nandina	Viburnum
Azalea	Butterfly Bush	Gardenia	Laurel	Privet	Yew
Aucuba	Camelia	Holly	Ligustrum	Rhododendron	Yucca
Bayberry	Distylium	Jasmine	Loropetalum	Rose of Sharon	

Groundcovers including:				
Ajuga	Calamintha	Liriope	Pachysandra	Spurge
Astilbe	Carex	Mazus	Phlox	Trillium
Aztec Grass	Ivy	Mondo Grass	Sedum	Virginia Creeper

House Plants including:				
Aglaonema	Cactus	Dragon Tree	Philodendron	Swiss Cheese Plant
Aloe Vera	Chinese Money Plant	Ficus	Pothos	Wandering Jew
Anthurium	Coffee Plant	Fiddle Leaf Fig	Prayer Plant	Yucca Cane
Bamboo	Croton	Mass Cane	Rubber Plant	ZZ Plant
Bird of Paradise	Dieffenbachia	Monstera	Snake Plant	
Bromeliad	Dracaena	Peace Lily	Spider Plant	

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in a cool dry place in the original container. It is recommended to store the product above 50°F. Do not store near heat or open flame. Keep the container tightly sealed.

PESTICIDE DISPOSAL: To avoid waste, use all material in this container by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program (often such programs are run by state or local governments or by industry).

CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. **If empty:** Place in trash or offer for recycling, if available. **If partly filled:** Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

IMPORTANT: READ BEFORE USE

Read the entire Directions for Use and the following Conditions of Sale, Disclaimer of Warranties, and Limitation of Liability. If the terms are not acceptable, return the product unopened and the full purchase price will be refunded.

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

Conditions: The directions on this label are believed to be reliable and should be carefully followed. Attune Agriculture LLC warrants that this product conforms to the ingredients description on the label and is reasonably fit for the stated Directions for Use, when the product is used according to the Directions for Use and under normal condition of use. Insufficient control of pests and/or injury to the plant to which the product is applied may result from the occurrence of extraordinary or unusual weather conditions or the failure to follow label directions or good application practices, all of which are beyond the control of Attune Agriculture LLC.

DISCLAIMER OF WARRANTIES: To the extent consistent with applicable law, Attune Agriculture LLC makes no other warranties, express or implied, of merchantability or of fitness for a particular purpose or otherwise, that extend beyond the statements made on this label. No agent of Attune Agriculture LLC is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. To the extent consistent with applicable law, Attune Agriculture LLC disclaims any liability whatsoever for special, incidental or consequential damages resulting from the use or handling of this product.

LIMITATIONS OF LIABILITY: To the extent consistent with applicable law, the exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use or handling of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid or at Attune Agriculture LLC's election, the replacement of product.

†Rhexalloid™ is Attune's proprietary technology for the active ingredient Xanthan Gum, which is a non-systemic, contact insecticide that utilizes a physical mode of action to control specific insect and mite pests.