



## OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

May 30, 2025

James Messina  
jmessina@exponent.com  
ATTUNE AGRICULTURE LLC

Subject: Non-PRIA (Pesticide Registration Improvement Act) Labeling Amendment - Administrative and formatting revisions on the labeling. Additions to the pest and crop tables on the labeling.  
Product Name: IS-27  
Admin Number: 92988-4  
EPA Receipt Date: 05/13/2025  
Action Case Number: 00657245

Dear James Messina:

The amended labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable.

This approval does not affect any terms or conditions that were previously imposed on this registration. You continue to be subject to existing terms or conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one (1) copy of the final printed labeling before you release this product for shipment with the new labeling. In accordance with 40 CFR § 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR § 152.3.

The label submitted with the application has been stamped "Accepted Only Indicated Revisions Reviewed" and is enclosed for your records.

Should you wish to add/retain a reference to your company's website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by EPA. If the website is false or misleading, the product will be considered to be misbranded and sale or distribution of the product is unlawful under FIFRA section 12(a)(1)(E). 40 CFR § 156.10(a)(5) lists examples of statements the EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the EPA find or if it is brought to our attention that a website contains statements or claims substantially differing from statements or claims made in connection with obtaining a FIFRA section 3 registration, the website will be referred to the EPA's Office of Enforcement and Compliance Assurance.

Your release for shipment of this product constitutes acceptance of these terms. If these terms are not complied with, this registration will be subject to cancellation in accordance with FIFRA section 6.

If you have questions, please contact Michael Piombino via email at [piombino.michael@epa.gov](mailto:piombino.michael@epa.gov).

Sincerely,

A handwritten signature in black ink that reads "James Parker". The script is elegant and cursive, with the first letters of "James" and "Parker" being capitalized and prominent.

James Parker, Team Leader  
BPB, BPPD  
Office of Pesticide Programs

05/30/2025

Under the Federal Insecticide, Fungicide and  
Rodenticide Act as amended, for the pesticide  
registered under EPA Reg. No.

92988-4

No label revisions other than those indicated were  
reported to the Agency.

[Note: Text in square brackets is a note to the reviewer.]

{Note: Text in curly brackets indicates optional text.}

## IS-27

### {Alternate Brand Name(s):

**Entrapment NT, NT Entrapment, Entrapment RC, RC Entrapment, Entrapment AP, AP Entrapment, Entrapment MX, MX Entrapment, Entrapment OG, OG Entrapment, Entrapment HSV, HSV Entrapment, Entrapment LSV, and LSV Entrapment}** [Note to reviewer: Optional product identifiers corresponding to the alternate brand names may be used in addition to the full alternate brand names. Optional product identifiers may include: NT, RC, AP, MX, OG, HSV, LSV]

### Insecticide

#### 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 back panel for mixing and application instructions.}{See {side} {back} {panel} {label}{ booklet} for {complete} {additional} {First Aid{,}}{and} {Precautionary Statements,}{Directions For Use}{,}{.}{and}{Storage and Disposal{.}}{and}{warranty disclaimers}{.}}

EPA Reg. No. 92988-~~U4~~

EPA Est. No. \_\_\_\_\_

Net Contents: {1 gal (3.79 L)}{2.5 gal (9.46L)}{1 qt. (32 oz.)}

{Batch No. \_\_\_\_\_}

Manufactured {by} {for}:

Attune Agriculture LLC

751 Park of Commerce Drive ~~{Dr.}, {Ste. 106}~~ {Suite 106}

Boca Raton, FL 33487

{1-}561-570-1792

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[Note: Text in square brackets is a note to the reviewer.]

{Note: Text in curly brackets indicates optional text.}

## 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.

[Note: Text in square brackets is a note to the reviewer.]

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### **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**

IS-27 is an insecticide that has a physical mode of action and adheres the pest to the leaf, and/or engulfs the pest causing suffocation. IS-27 must contact the target pest, and thorough spray coverage is essential for effective control.

IS-27 controls many small, soft bodied pests including aphids, mites, psyllids, scales, thrips, leafhoppers and whiteflies. -IS-27 has been shown as effective against soft bodied insects and pests that are 4 mm and smaller in length.

IS-27 controls the early stages (1<sup>st</sup> and 2<sup>nd</sup> 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.

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{For {indoor} {and} {outdoor} {usage} {use} on {ornamental plants} {turf} {and} {agricultural crops}}.

IS-27 can be applied using standard application equipment that includes ground, airblast, backpack, and aerial (including ultra-low volume and drone) spray.

## Mixing Instructions

IS-27 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. IS-27 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 IS-27 if water quality necessitates the use of such products. After thoroughly mixing IS-27 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.

IS-27 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 IS-27 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: IS-27 is compatible with a wide range of insecticides, miticides and fungicides provided they are added to the tank after IS-27 has been added and thoroughly agitated. Follow label requirements for any tank mix partner.

Horticultural Oils (such as mineral and petroleum oils): IS-27 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) IS-27 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 IS-27 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: IS-27's mode of action is physical. When surfactants or spreaders are tank mixed with IS-27, they alter the physical properties of the spray, which

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reduces the insecticidal properties of the spray. Therefore, do not mix IS-27 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. IS-27 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.

IS-27 has a physical mode of action and can be used with insecticides with any mode of action. IS-27 can be used in rotation or tank-mixture strategies.

### **Application Directions**

Application Rate: Apply {1/2 pint} {0.5 pint} {0.25 quarts} {8 fl oz} to {2 quarts} {4 pints} {64 fl oz} IS-27 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 IS-27 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.}

{Conversion Chart} [Note to reviewer: the following table will be considered optional text on the final printed label]

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

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{Use Rate Ranges per pest:} [Note to reviewer: the following table will be considered optional text on the final printed label]

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

Spray Volume: Apply 2 – 1,000 gallons of spray per acre. ~~{In California, apply 10–1,000 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 IS-27 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 IS-27 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.

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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***

IS-27 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, IS-27 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. IS-27 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***

IS-27 exhibits a level of drift control. If conditions merit an additional drift reduction agent, the only DRAs that should be tank mixed with IS-27 are hydrocolloid based products. Consult with Attune Agriculture LLC for compatible drift reduction agents.

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## IS-27 is Effective Against the Following Pests

### Aphids including:

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

### 1<sup>st</sup> and 2<sup>nd</sup> Instar Caterpillars including:

Beet Armyworm	Soybean Looper
Corn Earworm	Soybean Podworm
Cabbage Looper	Tobacco Budworm
Codling moth	Tomato Hornworm
Diamondback Moth	Tomato Fruitworm
Imported Cabbageworm	Velvetbean Caterpillar
Navel Orangeworm	

### Leafhoppers including:

Grape Leafhopper	Virginia Creeper Leafhopper
Potato Leafhopper	Western Grape Leafhopper
Rose Leafhopper	White Apple Leafhopper

### Psyllids including:

Asian Citrus Psyllid	Potato Psyllid
Pear Psylla	Tomato Psyllid

### Scales including:

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

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**Thrips including:**

Citrus Thrip	Melon Thrip
Florida Flower Thrip	Onion Thrip
Gladiolus Thrip	Pear Thrip
Grape Thrip	Western Flower Thrip
Chili Thrip	

**Whiteflies including:**

Ash Whitefly	Greenhouse Whitefly
Banded-wing Whitefly	Silverleaf Whitefly
Bayberry Whitefly	Sweet potato Whitefly
Citrus Whitefly	Variegated Whitefly
Cloudy-winged Whitefly	Woolly Whitefly

**Mites including:**

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

**Hemipterans including:**

Chinch bug  
Plant bugs  
[Fleahopper](#)  
[Tarnished plant bugs \(\*Lygus\* spp.\)](#)

**Beetles including:**

Flea Beetle

{\*Not for use in California} [Note to reviewer: Any of the pests above may be qualified with \* as appropriate.]

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**IS-27 can be used on {indoor} {and} {outdoor} {vegetable} {fruit} {and} {other}{food} crops, including:**

<b>Stalk, Stem and Leaf Petiole Vegetables {Crop Group 22}, Including</b>  Agave Aloe vera Asparagus Bamboo shoots Celtuce Fennel Florence Fern  Kohlrabi Palm hearts Prickly pear	<b>Cucurbit Vegetables {Crop Group 9}, Including</b>  Bitter Melon Cantaloupe Casaba Chinese Wax-gourd Citron melon Crenshaw Cucumber Gherkin  Gourds Honey balls Honeydew Mango Melon Muskmelon Pumpkin Squash Watermelon	
	<b>Cereal Grains {Crop Group 15, <u>15-22</u>}, Including</b>  Barley Buckwheat Corn Millet Triticale Rye  Oats Popcorn Rice Sorghum Wheat	
<b>Berries {Crop Group 13}, Including</b>  Blackberry Blueberry Boysenberry Currant Dew Berry Elderberry Kiwi  <u>Berry and Small Fruit {Crop Group 13-07}, Including</u>  <u>Buffaloberry</u> <u>Cranberry</u> <u>Mulberry</u>	<b>Hops</b>	

[Note: Text in square brackets is a note to the reviewer.]

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<p><b>Brassica (Cole) Crops {Crop Group 5}, Including</b></p> <p>Bok Choy {Cavolo}  {Cavalo} Broccolo  Broccoli Collards  Broccoli {Rabe} {Raab}  Kale  Brussels Sprouts Kohlrabi  Cabbage Mustard Greens  Cauliflower  Chinese Cabbage</p> <p><u>Brassica Head and Stem Vegetable {Crop Group 5-16}, Including</u></p> <p><u>Broccoli</u> <u>Cauliflower</u></p>	<p><b>Leafy Vegetables {Crop Group 4, 4-16}, Including</b></p> <p>Arugula Dandelions  Cardoon Dock (Sorrel)  Celery Fennel  Celtuce Lettuce  Chervil Orach  Chinese Celery Parsley  Chinese Spinach Purslane  Corn Salad (Mache) Radicchio  Chrysanthemum Rhubarb  Cress Spinach  Swiss Chard Turnip Greens</p>
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<p><b>Sugarcane</b></p>	<p><b>Legumes {Crop Group 6, 6-22}, Including</b></p> <p>Beans Lentil  Chickpeas Peas  Guar Soybeans</p>
<p><b>Bulb Vegetables {Crop Group 3, 3-07}, Including</b></p> <p>Garlic Onion  Leek Shallot</p>	<p><b>Pome Fruits {Crop Group 11, 11-10}, Including</b></p> <p>Apple Mayhaw  Crabapple Pear  Quince  Loquat</p>
<p><b>Citrus Fruits {Crop Group 10, 10-10}, Including</b></p> <p>Calamondin Mandarin  Grapefruit Orange  Kumquat Pummelo  Lemon Satsuma  Lime Tangerine</p>	<p><b>Stone Fruits {Crop Group 12, 12-12}, Including</b></p> <p>Apricot Plum  Aprium Plumcot  Cherry Pluot  Nectarine Prune  Peach Jujube</p>

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<b>Corn (all types)</b> Sweet corn Popcorn Field corn	<b>Tree Nuts {Crop Group 14, <u>14-12</u>}, Including</b>  Almond Beech Nut Brazil Nut Butternut Cashew Chinquapin Filbert Hickory Macadamia Pecan Pistachio Walnut
<b>Cotton</b>	<b>Tropical and Subtropical Fruit, Edible Peel {Crop Group 23}, Including</b>  Fig Persimmon Palm Fruit
<b>Tropical and Subtropical Fruit, Inedible Peel {Crop Group 24}, Including</b>  Pawpaw Pomegranate	

<b>Root and Tuber Crops {Crop Group 1}, Including</b>  Artichoke Beet Carrot Cassava Celeriac Chervil Daikon Ginger Ginseng Horseradish Japanese Radish Jicama Parsnip Potato Radish Rutabaga Salsify Sweet Potato Turmeric Turnip Yam Yam Bean	<b>Water chestnut</b>
	<b>Fruiting Vegetables {Crop Group 8, <u>8-10</u>}, Including</b>  Eggplant Pepper Tomato Hibiscus

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<p><b><u>Leaves of Root and Tuber Vegetables (Human Food or Animal Feed) Group {Crop Group 2}, Including</u></b></p> <p><u>Beet, sugar</u> <u>Carrot</u> <u>Celeriac (celery root)</u> <u>Radish</u> <u>Rutabaga</u> <u>Sweet potato</u> <u>Yam, true</u></p>	<p><b><u>Foliage of Legume Vegetables {Crop Group 7}, Including</u></b></p> <p><u>Any parts of any legume vegetable included in the legume vegetables that will be used as animal feed, including cultivars of bean (<i>Phaseolus</i> spp.) and field pea (<i>Pisum</i> spp.), and soybean (<i>Glycine max</i>)</u></p> <p><b><u>Forage and Hay Legume Vegetables {Crop Group 7-22}, Including</u></b></p> <p><u>Any cultivar of bean (<i>Phaseolus</i> spp. or cowpea (<i>Vigna unguiculata</i> (L.) Walp))</u> <u>Field pea (<i>Pisum sativum</i> L. subsp. <i>sativum</i> var. <i>arvense</i> (L.) Poir.)</u> <u>Soybean (<i>Glycine max</i> (L.) Merr.)</u></p> <p><b><u>Forage, Fodder and Straw of Cereal Grains {Crop Group 16}, Including</u></b></p> <p><u>Forage, fodder, stover, and straw of all commodities in the cereal grains group (e.g., corn, wheat, and cereal grains)</u></p> <p><b><u>Forage, Hay, Stover, and Straw of Cereal Grains {Crop Group 16-22}, Including</u></b></p> <p><u>Forage, hay, stover and straw of the commodities in Crop Group 15-22, including cultivars, varieties and/or hybrids of barley, corn, millet, etc.</u></p>
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<b><u>Grass Forage, Fodder, and Hay Group {Crop Group 17}, Including</u></b>  <u>Forage, fodder, stover, and hay of any grass, Gramineae/Poaceae family (either green or cured) except sugarcane and those included in the cereal grains group, that will be fed to or grazed by livestock, all pasture and range grasses and grasses grown for hay or silage</u>	<b><u>Nongrass Animal Feeds (Forage, Fodder, Straw, and Hay) {Crop Group 18}, Including</u></b>  <u>Alfalfa</u> <u>Clover</u> <u>Kudzu</u> <u>Vetch</u> <u>Vetch, milk</u>
<b><u>Oilseed {Crop Group 20}, Including</u></b>  <u>Castor oil plant</u> <u>Cottonseed</u> <u>Evening primrose</u> <u>Flax seed</u> <u>Jojoba</u> <u>Milkweed</u> <u>Mustard seed</u> <u>Rapeseed</u> <u>Rose hip</u> <u>Safflower</u> <u>Sesame</u> <u>Tea oil plant</u>	<b><u>Edible Fungi {Crop Group 21}, Including</u></b>  <u>Chinese mushroom</u> <u>Enoki</u> <u>Morel</u> <u>Oyster mushroom</u> <u>Shiitake mushroom</u> <u>Truffle</u> <u>White button mushroom</u>



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<u>Herbs {Crop Group 25}, Including</u>	<u>Spices {Crop Group 26}, Including</u>
<u>Angelica</u> <u>Basil</u> <u>Camomile {Chamomile}</u> <u>Cilantro</u> <u>Fennel</u> <u>Indian tobacco</u> <u>Lavender</u> <u>Mint</u> <u>Oregano</u> <u>Patchouli</u> <u>Rosemary</u> <u>Spearmint</u> <u>Tarragon</u>	<u>Allspice</u> <u>Anise pepper</u> <u>Ashwagandha</u> <u>Caper buds</u> <u>Caraway</u> <u>Cardamom</u> <u>Cinnamon</u> <u>Cumin</u> <u>Frankincense</u> <u>Kaffir lime</u> <u>Milk thistle</u> <u>Mustard</u> <u>Peppercorn</u> <u>Sandalwood</u> <u>Sesame, seed</u> <u>Vanilla</u> <u>Witch hazel</u>
<u>Tobacco {all varieties}</u>	<u>Hemp {all varieties}</u>

[Note to reviewer: common name for all crops noted above may be used alone or in combination with scientific name on product labeling.]

[Note to reviewer: The EPA label lists examples of crops in the crop group only, but the final printed label may list any crop found in the EPA crop group even if not listed on the EPA label.]

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**IS-27 can be used on Turf Grasses, including:**

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

**IS-27 can be used on {indoor} {and} {outdoor} Ornamental Plants, including:**

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

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

[Note: Text in square brackets is a note to the reviewer.]

{Note: Text in curly brackets indicates optional text.}

**Shrubs, including:**

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

**Groundcovers, Including:**

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

**House Plants, including:**

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

**{\*Not for use in California} [Note to reviewer: Any of the above use sites may be qualified with \* as appropriate.]**

[Note: Text in square brackets is a note to the reviewer.]

{Note: Text in curly brackets indicates optional text.}

### 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.

[Note: Text in square brackets is a note to the reviewer.]

{Note: Text in curly brackets indicates optional text.}

**Optional label text [Note to reviewer: these phrases can be found anywhere on the label in appropriate locations. An EPA approved alternate brand name can be used in place of {this product} in the phrases below]:**

{Patent Pending}[Note to reviewer: The phrase “Patent Pending” will be replaced with the patent numbers at the next printing of the labels once the pending applications are approved.]

{Attune Agriculture} {Proven Science. Precise Performance. Smarter Agriculture.®}

{For organic production.}

{Shake well before use}

{Organic Materials Review Institute {(OMRI)}{OMRI} Listed}

{For use on [insert crops/plants from label]{-crops} {turf}{and} {ornamentals}}

{For{outdoor}{and}{indoor} {and} {greenhouse} use}

{For use against [insert pests from pest lists ~~below~~]}

{Insect {and mite} Control powered by Rhexalloid™ Technology<sup>†</sup>}

{Powered by Rhexalloid™ Technology<sup>†</sup>}

{Insect {and mite} Control with the Active Ingredient, Xanthan Gum found in Rhexalloid™<sup>†</sup>}

{Insecticide powered by Rhexalloid™ Technology<sup>†</sup>}

{<sup>†</sup>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.} [Note to reviewer: This is the qualifying statement to be used when the qualifier <sup>†</sup> is used after Rhexalloid™ Technology<sup>†</sup>]

{Powered by Rhexalloid™<sup>†</sup> {insecticide<sup>†</sup>}}

{With Rhexalloid™<sup>†</sup> {active} {ingredient<sup>†</sup>}}

{Contains Rhexalloid™<sup>†</sup> {active} {ingredient<sup>†</sup>}}

{Insect {and mite} Control using Rhexalloid™ Technology<sup>†</sup>}

[Note: Text in square brackets is a note to the reviewer.]

{Note: Text in curly brackets indicates optional text.}

{Insect {and mite} Control Formulated with Rhexaloid™ Technology<sup>†</sup>}

{Formulated with Rhexaloid™ Technology<sup>†</sup>} {IS-27} {this product} is a non-systemic, contact insecticide that utilizes a physical mode of action to control specific insect and mite pests.-}

{{IS-27}} {this product} insecticide has 3 physical modes of action: Engulf, Trap, Immobilize.}

{Powered by Rhexaloid® technology<sup>†</sup>, {IS-27}} {this product} harnesses the power of hydrocolloids to transform every water droplet in your tank mix into adhesive traps on the target for the control of insect and mite pests.}

{{IS-27's}} {this product's} unique technology creates a complex molecular structure within every spray droplet that physically controls pests upon contact in three ways.}

{Engulf: Very small sized insects and mites (< 1 mm; 1st and 2nd instar) are engulfed by the droplets and suffocated.}

{Trap: Slightly larger insects (1 – 3 mm; 3rd to 5th instar) are trapped by the droplets. Once an arm or leg makes contact with a droplet, the insect is stuck to the droplet and unable to break free.}

{Immobilize: Insects large enough (3 – 4 mm) to overcome a droplet's adhesion become coated with the drop's contents. The coating on the pest picks up debris as it moves about the leaf surface. Once the coating dries, the insect becomes immobilized.}

{Pests are trapped in droplets with {IS-27}} {this product} upon contact and unable to break free.}

{Pests are engulfed in droplets with {IS-27}} {this product} and suffocated.}

{Pests are covered in droplets with {IS-27}} {this product} and immobilized.}

{A true disruptive technology for managing insect and mite pests<sup>1</sup>.} {<sup>1</sup> This product works through a physical mode of action to disrupt the insect lifecycle.}

{Hundreds of traps on every leaf surface.}

{Get off the pesticide treadmill with a disruptive technology not prone to resistance.}

[Note: Text in square brackets is a note to the reviewer.]

{Note: Text in curly brackets indicates optional text.}

{This product is formulated specifically for the intended uses.}{Specific use rates intended for insecticidal purpose.}

{A novel insecticide engineered to combat resistance.}

{{IS-27}}{this product} {is} {formulated for insect and mite control on fruits, vegetables, and nuts.}}

{{IS-27}}{this product} {-is}{ formulated for insect and mite control on row crops.}}

{{IS-27}}{this product} {is} {formulated for the control of navel orangeworm, codling moth, whiteflies, and mites.}}

{{IS-27}}{this product} {is} {formulated for insect and mite control on crops, turf/ornamentals, golf courses, and greenhouses.}}

{Mode of action compatible with rotation and mixture approaches}

{Valuable resistance management tool}

{Zero-day Pre Harvest Interval (PHI)}

{Does not harm bees and lady bugs}

{Biochemical active ingredient}

{Biopesticide active ingredient}

{Biochemical pesticide}

{Biopesticide}

{Biochemical insecticide}

{Biopesticide insecticide}

{Broad spectrum of activity controls aphids, whiteflies, psyllids, leafhoppers, thrips, neonate caterpillars, and mites.}

[Note: Text in square brackets is a note to the reviewer.]

{Note: Text in curly brackets indicates optional text.}

{Attune's development of {IS-27}{this product}{insecticide} comes from our intimate knowledge of hydrocolloids and the physics of rheology.}

{Droplets with {IS-27}{this product} have an outer membrane that is permeable to insect limbs and an internal structure that is strong enough to hold on to the insect so that it cannot break free.}

{Recommended storage above 50°F.}

{Store above 50°F.}

{Free Sample}

{Not for resale}

{For testing purposes only.}



[Note: Text in square brackets is a note to the reviewer.]

{Note: Text in curly brackets indicates optional text.}

**Optional Graphics [can be found anywhere on the label]:**



[Note to reviewer: On the final printed labels the text “Entrapment Insecticide” in the logo above may be replaced with an EPA approved brand name. An example alternative is provided below:]



{OMRI logo}[representative logo below]

