



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

March 2, 2022

Kristen Cianni
Regulatory Specialist
Avalaire, LLC
1204 Village Market Place, #173
Morrisville, NC 27560

Subject: Registration Review Label Mitigation for Pyriproxyfen
Product Name: AVALAIRE PYRIPROX 0.5 FAB
EPA Registration Number: 93930-10
Application Date: February 27, 2020
Decision Number: 560306

Dear Ms. Cianni:

The Agency, in accordance with the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, has completed reviewing all the information submitted with your application to support the Registration Review of the above referenced product in connection with the Pyriproxyfen Interim Decision, and has concluded that your submission is acceptable. The label referred to above, submitted in connection with registration under FIFRA, as amended, is acceptable.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements 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 Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the 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 12 months from the date of this letter. After 12 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.

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If you have any questions about this letter, please contact Marisa Wright by phone at 202-566-2335, or via email at wright.marisa@epa.gov.

Sincerely,

A handwritten signature in blue ink, appearing to read "Linda Arrington".

Linda Arrington, Branch Chief
Risk Management and Implementation Branch 4
Pesticide Re-Evaluation Division
Office of Pesticide Programs

Enclosure

[Note to reviewer: [Text] in brackets denotes optional text].

[Note to reviewer: {Text} in braces denotes where in the final label text will appear.]

{BOOKLET FRONT PANEL LANGUAGE}

PYRIPROXYFEN	GROUP	7	INSECTICIDE
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Avalaire Pyriprox^[TM] 0.5 FAB

Contains pyriproxyfen, the active ingredients used in [Esteem[®] Ant Bait].

[Insect Growth Regulator]

[For Use on Agricultural Turf and Food Crops]

ACTIVE INGREDIENT:	(% by weight)
Pyriproxyfen*	0.5%
OTHER INGREDIENTS:	<u>99.5%</u>
TOTAL:	100.0%

*2-[1-methyl-2-(4-phenoxyphenoxy) ethoxy] pyridine

KEEP OUT OF REACH OF CHILDREN

CAUTION

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 [below] [inside label booklet] for [additional] [First Aid,] [Precautionary Statements] [and] [Directions for Use].

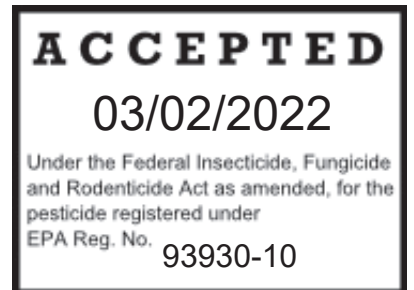
[Avalaire Pyriprox^[TM] 0.5 FAB] is not manufactured, or distributed by Valent U.S.A. Corporation, seller of [Esteem[®] Ant Bait].

EPA Reg. No.: 93930-10

EPA Est. No.:

Net Weight:

Manufactured For:
Avalaire, LLC
1204 Village Market Place, #173
Morrisville, NC 27560



{LANGUAGE INSIDE BOOKLET}

FIRST AID	
If on skin:	<ul style="list-style-type: none">• Take off contaminated clothing.• Rinse skin immediately with plenty of water for 15 to 20 minutes.• Call a poison control center or doctor for treatment advice.
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact SafetyCall at 1-844-685-9173 for emergency medical treatment information.	

**For Chemical Emergency
Spill, Leak, Fire, Exposure, or Accident
Call CHEMTREC Day or Night
Within USA and Canada: 1-800-424-9300 or +1 703-527-3887 (collect calls accepted)**

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if absorbed through skin. Avoid contact with skin, eyes or clothing. Wash hands thoroughly with soap and water after handling and 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,
- Waterproof gloves,
- Socks plus shoes

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

USER SAFETY RECOMMENDATIONS

Users should:

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

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high-water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water by disposing of equipment washwaters or rinsate.

DIRECTIONS FOR USE

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

READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS, AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.

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 agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard (WPS), 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 this label about Personal Protective Equipment (PPE), and Restricted-Entry Interval (REI). The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard (WPS).

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

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

- Coveralls over long-sleeved shirt and long pants,
- Waterproof gloves,
- Socks plus shoes

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.

For other uses, do not enter treated areas until any dusts have settled.

TANK MIXES

NOTICE: Tank mixing or use of this product with any other product which is not specifically and expressly authorized by the label shall be the exclusive risk of user, applicator and/or application advisor, to the extent allowed by applicable law.

Read and follow the entire label of each product to be used in the tank mix with this product.

RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance-management, **Avalaire Pyriprox 0.5 FAB** contains a Group 7 insecticide. Any insect population may contain individuals naturally resistant to **Avalaire Pyriprox 0.5 FAB** and other Group 7 insecticides. The resistant individuals may dominate the insect population if this group of insecticides are used repeatedly in the same fields. Appropriate resistance management strategies should be followed.

To delay insecticide resistance, take the following steps:

- Rotate the use of **Avalaire Pyriprox 0.5 FAB** or other Group 7 insecticides within a growing season, or among growing seasons, with different groups that control the same pests. Avoid application of more than the maximum seasonal use rate or the total number of consecutive sprays of **Avalaire Pyriprox 0.5 FAB** per season.
- Use tank mixtures with insecticides from a different group that are equally effective on the target pest when such use is permitted. Do not rely on the same mixture repeatedly for the same pest population. Consider any known cross-resistance issues (for the targeted pests) between the individual components of a mixture. In addition, consider the following recommendations provided by the Insecticide Resistance Action Committee (IRAC):
 - o Individual insecticides selected for use in mixtures should be highly effective and be applied at the rates at which they are individually registered for use against the target species.
 - o Mixtures with components having the same IRAC mode of action classification are not recommended for insect resistance management.
 - o When using mixtures, consider any known cross-resistance issues between the individual components for the targeted pest(s).
 - o Mixtures become less effective if resistance is already developing to one or both active ingredients, but they may still provide pest management benefits.
 - o The insect resistance management benefits of an insecticide mixture are greatest if the two components have similar periods of residual insecticidal activity. Mixtures of insecticides with unequal periods of residual insecticide activity may offer an insect resistance management benefit only for the period where both insecticides are active.
- Adopt an integrated pest management program for insecticide/acaricides use that includes scouting, uses historical information related to pesticide use, crop rotation, record keeping, and which considers cultural, biological and other chemical control practices.
- Monitor after application for unexpected target pest survival. If the level of survival suggests the presence of resistance, consult with your local university specialist or certified pest control advisor.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance management and/or IPM recommendations for the specific site and pest problems in your area.
- For further information or to report suspected resistance contact your Avalaire, LLC representative.

PRODUCT INFORMATION

Do not apply this product through any type of irrigation system.

Avalaire Pyriprox 0.5 FAB is an Insect Growth Regulator similar to naturally occurring insect growth hormones which interfere with (stops) their growth or development. **Avalaire Pyriprox 0.5 FAB** breaks the reproductive life cycle of the ants, causing starvation of the colony. **Avalaire Pyriprox 0.5 FAB** is a slow acting, highly effective ant control product. Worker ants pick up the bait granules and take them back to the colony. Workers feed the bait to both the ant queen and the immature ants thereby preventing worker replacement. Due to degeneration of reproductive organs, the queen cannot replace workers. The lack of worker ant replacement results in colony death as the existing

worker ants age and die. Within 3 to 4 weeks there is substantial colony mortality and within 8 weeks the majority of the colony population has been eliminated.

NON CROP AREAS

Agricultural sites, defined as areas associated with the farm, such as, the areas around farm houses, barns, agricultural equipment and farm irrigation equipment.

PESTS	PRODUCT RATES PER ACRE	SPECIAL INSTRUCTIONS
<p>Ants Bigheaded Ant Imported Fire Ant Native Fire Ant Pavement Ant Red Imported Fire Ant Southern (California) Fire Ant</p>	<p>1.0 to 2.0 lbs</p>	<p>Broadcast or Aerial Application: Apply uniformly with ground or aerial equipment calibrated to give the correct dosage. Repeat after 12 to 16 weeks if needed.</p> <p>WHEN TO APPLY Apply Avalaire Pyriprox 0.5 FAB in the early Spring or Summer at the first sign of ant activity. Applications may be made any time of the day but are more effective when ants are actively foraging, usually when the soil temperature is above 60°F. Avoid application if rain is expected within 4 to 6 hours. Do not water treated area for 24 hours after application. In the event of prolonged rains after initial treatment, reapplication may be necessary.</p> <p>A second application of Avalaire Pyriprox 0.5 FAB may be required after 12 to 16 weeks in areas of heavy infestations, or when the mounds remain active, or when a reinfestation occurs. In large mounds, some worker ants may persist for a while after the queen is dead. For 7 to 10 days after treatment, do not apply any other ant pesticide. This is to allow sufficient time for the worker ants to seek out the bait and take it back to the mound. After 14 days, it may be desirable to apply a registered ant pesticide to kill remaining foraging ants.</p> <p>Individual Mound Treatment Apply 2 to 4 level Tbsp of Avalaire Pyriprox 0.5 FAB per mound, uniformly distributing material 3 to 4 ft around the mound. Do not disturb the mound. Do not apply to top of mounds. Repeat after 12 to 16 weeks if needed.</p>

FOOD AND FEED CROPS

CROPS	PESTS	PRODUCT RATES PER ACRE	SPECIAL INSTRUCTIONS
<p>For Crop Groups (See Crop Group Descriptions)</p> <p>Berry (Low Growing Except Strawberry)^[1]</p> <p>Brassica (Cole) Leafy Vegetables</p> <p>Bulb Vegetables ^[2]</p> <p>Bushberry^[1]</p> <p>Caneberry^[1]</p> <p>Cereal Grains^[1]</p> <p>Citrus Fruits</p> <p>Cucurbits</p> <p>Foliage of Legume Vegetables^[1]</p> <p>Fruiting Vegetables</p> <p>Herb^[1]</p> <p>Leafy Vegetables (Except Brassica Vegetables)^[1]</p> <p>Leaves of Root and Tuber Vegetables^[1]</p> <p>Legume Vegetables (Succulent or Dried)^[3]</p> <p>Nongrass Animal Feeds^[1]</p> <p>Pome Fruit</p> <p>Root and Tuber Vegetables^[1]</p> <p>Small Fruit Vine Climbing Crops (Except Grape)^[1]</p> <p>Stone Fruit</p> <p>Tree Nuts</p> <p>Tropical & Subtropical Fruits</p> <p>Individual Crops</p> <p>Artichoke (Globe)^[1]</p> <p>Asparagus^[1]</p> <p>Banana^[1]</p> <p>Cacao Bean^[1]</p> <p>Canola, seed only^[1]</p> <p>Cotton</p> <p>Dates^[1]</p> <p>Figs</p> <p>Grape</p> <p>Olives</p> <p>Paw Paw^[1]</p> <p>Peanuts^[1]</p> <p>Pineapple^[1]</p> <p>Pistachio</p> <p>Plantain^[1]</p> <p>Pomegranate^[1]</p> <p>Rangeland</p> <p>Safflower ^[1]</p> <p>Sesame ^[1]</p> <p>Strawberry</p> <p>Tea^[1]</p>	<p>Ants</p> <p>Big Headed Ant</p> <p>Imported Fire Ant</p> <p>Native Fire Ant</p> <p>Pavement Ant</p> <p>Red Imported Fire Ant</p> <p>Southern (California) Fire Ant</p>	<p>1.5 to 2.0 lbs</p>	<p>Broadcast or Aerial Application</p> <p>Apply uniformly with ground or aerial equipment calibrated to give the correct dosage. Repeat after 12 to 16 weeks if needed.</p> <p>WHEN TO APPLY</p> <p>Apply Avalaire Pyriprox 0.5 FAB in the early Spring or Summer at the first sign of ant activity. Applications may be made any time of the day but are more effective when ants are actively foraging, usually when the soil temperature is above 60°F. Avoid application if rain is expected within 4 to 6 hours. Do not water treated area for 24 hours after application. In the event of prolonged rains after initial treatment, reapplication may be necessary.</p> <p>A second application of Avalaire Pyriprox 0.5 FAB may be advisable after 12 to 16 weeks in areas of heavy infestations, or when the mounds remain active, or when a reinfestation occurs. In large mounds some worker ants may persist for a while after the queen is dead. For 7 to 10 days after treatment do not apply any other ant pesticide. This is to allow sufficient time for the worker ants to seek out the bait and take it back to the mound. After 14 days, it may be desirable to apply a registered ant pesticide to kill remaining foraging ants.</p> <p>Bearing Almond Timing: In bearing almond orchards apply at 6 to 8 weeks prior to harvest to protect fallen nuts. Repeat after 12 to 16 weeks if needed.</p> <p>Individual Mound Treatment</p> <p>Apply 2 to 4 level Tbsp of Avalaire Pyriprox 0.5 FAB per mound, uniformly distributing material 3 to 4 ft around the mound. Do not disturb the mound. Do not apply to top of mounds. Repeat after 12 to 16 weeks if needed.</p>

CROPS	PESTS	PRODUCT RATES PER ACRE	SPECIAL INSTRUCTIONS
Watercress ^[1] White Sapote			
<p>For all crops except Pasture Grass and Rangeland do not apply within 24 hours of harvest.</p> <ul style="list-style-type: none"> • For Pasture Grass and Rangeland the Pre-Harvest Interval (PHI) is zero (0) days. • For Pasture Grass and Rangeland: Do not plant any crop other than those with registered pyriproxyfen uses in treated areas sooner than 30 days after the last application. • Regardless of formulation, the maximum amount of pyriproxyfen that may be applied per acre per season is as follows: <ul style="list-style-type: none"> - For Artichoke, Asparagus, Banana, Brassica Leafy Vegetables, Bulb Vegetables, Citrus, Cucurbits, Foliage of Legume Vegetables, Herb, Leafy Vegetables (Except Brassica Vegetables), Legume Vegetables (Succulent and Dried), Pasture Grass, Pineapple, Plantain, Pomegranate, Rangeland, Strawberry, Watercress, White Sapote, do not exceed 0.134 lb pyriproxyfen per acre per season. - For Berry (Low growing, except Strawberry), Bushberry, Caneberry, Grapes, Olives, Pome Fruits, Small Fruit Vine Climbing Crops (Except Grape), Tree Nuts, Tropical & Subtropical Fruits, do not exceed 0.218 lb pyriproxyfen per acre per season. - For Cacao Bean, Canola, Cereal Grains, Coffee, Date, Nongrass Animal Feeds, Peanuts, Safflower, Sesame, Sugarcane, Tea, do not exceed 0.040 lb pyriproxyfen per acre per season. - For Fig, do not exceed 0.043 lb pyriproxyfen per acre per season. - For Cotton, do not exceed 0.067 lb pyriproxyfen per acre per season. - For Fruiting Vegetables, Leaves of Root and Tuber Vegetables, and Root and Tuber Vegetables, do not exceed 0.109 lb pyriproxyfen per acre per season. - For Pawpaw, Stone Fruits, do not exceed 0.327 lb pyriproxyfen per acre per season. 			

^[1][Not for use in California]

^[2][See Crop Group Description for bulb vegetables.] [Not for Use in] [California] [New York]

^[3][Not for use on soybeans in California]

CROP GROUP DESCRIPTIONS

Berry (Low Growing, Except Strawberry) – Crop Group 13-07H

Bearberry^[1], Bilberry^[1], Blueberry (lowbush), Cloudberry^[1], Cranberry^[1], Lingonberry, Muntries^[1], Partridgeberry^[1], Cultivars^[1], varieties, and/or hybrids of these.

^[1][Not for use in California]

Brassica (Cole) Leafy Vegetables – Crop Group 5

Broccoli, Broccoli, Chinese (gai lan), Broccoli Raab (rapini), Brussels Sprouts, Cabbage, Cabbage (Chinese, bok choy, and napa), Cauliflower, Cavolo Broccolo, Chinese Mustard (gai choy), Collards, Kale, Kohlrabi, Mizuna, Mustard Greens, Mustard Spinach, Rape Greens.

Bulb Vegetables – Crop Group 3-07

Chive, (fresh leaves)^[1], Chive (Chinese, fresh leaves)^[1], Daylily (bulb), Elegans hosta^[1], Fritillaria (bulb), Fritillaria (leaves)^[1], Garlic (bulb), Garlic (great-headed bulb), Garlic (serpent bulb), Kurrat^[1], Lady’s leek^[1], Leek^[1], Leek (wild)^[1], Lily (bulb), Onion (Beltsville Bunching)^[1], Onion (bulb), Onion (Chinese, bulb), Onion (fresh)^[1], Onion (green)^[1], Onion (macrostem)^[1], Onion (pearl), Onion (potato, bulb), Onion (tree, tops)^[1], Onion (Welsh, tops)^[1], Shallot (bulb), Shallot (fresh leaves)^[1], Cultivars, varieties, and/or hybrids of these.

^[1][Not for use in California]

Bushberry – Subgroup 13-07B

Aronia berry^[1], Blueberry (highbush), Blueberry (lowbush), Buffalo (currant)^[1], Chilean (guava)^[1], Cranberry (highbush)^[1], Currant (black), Currant (red), Elderberry^[1], European barberry^[1], Gooseberry, Honeysuckle (edible)^[1], Huckleberry, Jostaberry^[1], Juneberry (Saskatoon berry)^[1], Lingonberry, Native currant^[1], Salal, Sea buckthorn^[1], Cultivars, varieties and/or hybrids of these.

^[1][Not for use in California]

Caneberry – Subgroup 13-07A^[1]

Blackberry (including bingleberry, black satin berry, boysenberry, cherokee blackberry, chesterberry, cheyenne blackberry, coryberry, darrowberry, dewberry, dirksen thornless berry, himalayaberry, hullberry, lavacaberry, lowberry, lucretiaberry, mammoth blackberry, marionberry, necterberry, olallieberry, oregon evergreen berry, phenomenalberry, rangeberry, ravenberry, rossberry, shawnee blackberry and youngberry), Loganberry, Raspberry (red and black), Wild Raspberry, Cultivars, varieties, and/or hybrids of these.

^[1][Not for use in California]

Cereal Grains – Crop Group 15^[1]

Barley, Buckwheat, Corn, Millet (pearl), Millet (proso), Oats, Popcorn, Rice, Rye, Sorghum, Teosinte, Triticale, Wheat, Wild Rice

^[1][Not for use in California]

Citrus Fruits – Crop Group 10-10

Australian desert lime^[1], Australian finger-lime^[1], Australian round lime^[1], Brown River finger lime^[1], Calamondin, Citron, Citrus hybrids, Grapefruit, Japanese summer grapefruit^[1], Kumquat, Lemon, Lime, Mediterranean mandarin^[1], Mount white lime^[1], New Guinea wild lime^[1], Orange (sour), Orange (sweet), Pummelo, Russell River lime^[1], Satsuma mandarin, Sweet lime^[1], Tachibana orange^[1], Tahiti lime^[1], Tangelo, Tangerine (mandarin), Tangor, Trifoliate orange^[1], Uniq fruit^[1], Cultivars, varieties and/or hybrids of these.

^[1][Not for use in California]

Cucurbits – Crop Group 9

Chayote (fruit), Chinese Waxgourd (Chinese preserving melon), Citron Melon, Cucumber, Gherkin, Gourd, edible (includes Hyotan, Cucuzza, Hechima, Chinese Okra), *Momordica* spp (including balsam apple, balsam pear, bittermelon, Chinese cucumber), Muskmelon (includes cantaloupe, casaba^[1], crenshaw melon^[1], golden pershaw melon^[1], honeydew melon^[1], honey balls^[1], mango melon^[1], persian melon^[1], pineapple melon^[1], santa claus melon^[1], snake melon^[1], and true cantaloupe), Pumpkin, Squash (summer, includes crookneck squash^[1], scallop squash^[1], straightneck squash^[1], vegetable marrow^[1], zucchini^[1]), Squash (winter, includes acorn squash^[1], butternut squash^[1], calabaza^[1], hubbard squash^[1], spaghetti squash^[1]), Watermelon.

^[1][Not for use in California]

Foliage of Legume Vegetables – Crop Group 7^[1]

Plant parts of any legume vegetable included in the legume vegetables that will be used as animal feed. Any cultivar of bean (*Phaseolus*), field pea (*Pisum*), and soybean (*Glycine max*).

^[1][Not for use in California]

Fruiting Vegetables (Except Cucurbits) – Crop Group 8-10

African eggplant^[1], Bush tomato^[1], Cocona^[1], Currant tomato^[1], Eggplant, Garden huckleberry^[1], Goji berry^[1], Ground Cherry, Martynia^[1], Naranjilla^[1], Okra, Pea eggplant^[1], Pepino, Pepper (bell), Pepper (non-bell), Roselle^[1], Scarlet eggplant^[1], Sunberry^[1], Tomatillo, Tomato, Tree tomato^[1], Cultivars, varieties, and/or hybrids of these.

^[1][Not for use in California]

Herb – Subgroup 19A^[1]

Angelica, Balm, Basil, Borage, Burnet, Chamomile, Catnip, Chervil (dried), Chive, Chive (Chinese), Clary, Coriander (leaf), Costmary, Cilantro (leaf), Curry (leaf), Dillweed, Horehound, Hyssop, Lavender, Lemongrass, Lovage (leaf), Marigold, Marjoram, Nasturtium, Parsley (dried), Pennyroyal, Rosemary, Rue, Sage, Savory (summer and winter), Sweet bay, Tansy, Tarragon, Thyme, Wintergreen, Woodruff, Wormwood

^[1][Not for use in California]

Leafy Vegetables (Except Brassica Vegetables) – Crop Group 4^[1]

Amaranth (Leafy amaranth, Chinese spinach, tampala), Arugula (roquette), Cardoon, Celery, Celery (Chinese), Celtuce, Chervil, Chrysanthemum (edible-leaved), Chrysanthemum (garland), Corn Salad, Cress (garden), Cress (upland, yellow rocket, winter cress), Dandelion, Dock (sorrel), Endive (escarole), Fennel (florence, finocchio), Lettuce (Head and Leaf), Orach, Parsley, Purslane (Garden), Purslane (Winter), Radicchio (red chicory), Rhubarb, Spinach, Spinach (New Zealand), Spinach (vine), Swiss Chard

^[1][Not for use in California]

Leaves of Root and Tuber Vegetables (Human Food or Animal Feed) – Crop Group 2^[1]

Beet (garden), Beet (sugar), Burdock (edible), Carrot, Cassava (bitter and sweet), Celeriac (celery root), Chervil (turnip-rooted), Chicory, Dasheen (taro), Parsnip, Radish, Radish (oriental, daikon), Rutabaga, Salsify (black), Sweet Potato, Tanier (cocoyam), Turnip, Yam (true)

^[1][Not for use in California]

Legume Vegetables (Succulent or Dried) – Crop Group 6

Bean (*lupinus* spp.) includes Grain lupin, Sweet lupin, White lupin and White sweet lupin; Bean (*phaseolus* spp.) includes Field bean, Kidney bean, Lima bean, Navy bean, Pinto bean, Runner bean, Snap bean, Tepary bean, Wax bean; Bean (*vigna* spp.) includes Adzuki bean, Asparagus bean, Blackeyed pea, Catjang, Chinese longbean, Cowpea, Crowder pea, Moth bean, Mung bean, Rice bean, Southern pea, Urd bean, Yardlong bean; Broad bean (fava); Chickpea (garbanzo); Guar; Jackbean; Lablab bean (hyacinth bean); Lentil; Pea (*pisum* spp.) includes Dwarf pea, Edible-pod pea, English pea, Field pea, Garden pea, Green pea, Snow pea, Sugar snap pea; Pigeon pea; Soybean^[1]; Soybean, immature seed^[1]; Sword bean

^[1][Not for use in California]

Nongrass Animal Feeds (Forage, Fodder, Straw and Hay) – Crop Group 18^[1]

Alfalfa, Clover, Crown vetch, Kudzu, Lespedeza, Lupin, Milk vetch, Sainfoin, Trefoil, Velvet bean, Vetch

^[1][Not for use in California]

Pome Fruit – Crop Group 11-10

Apple, Azarole^[1], Crabapple, Loquat, Mayhaw, Medlar^[1], Pear, Pear (Asian), Quince, Quince (Chinese)^[1], Quince (Japanese)^[1], Tejocote^[1], Cultivars, varieties, and/or hybrids of these.

^[1][Not for use in California]

Root and Tuber Vegetables – Crop Group 1^[1]

Arracacha, Arrowroot, Artichoke (Chinese and Jerusalem), Bean yam, Beet (garden and sugar), Black salsify, Carrot, Cassava (bitter and sweet), Celery (celery root), Chayote (root), Chicory, Chufa, Dasheen (taro), Edible burdock, Edible canna, Ginger, Ginseng, Horseradish, Leren, Oriental radish (daikon), Parsnip, Potato, Radish, Rutabaga, Salsify (oyster plant), Spanish salsify, Skirret, Sweet potato, Tanier (cocoyam), True yam, Turmeric, Turnip, Turnip-rooted chervil, Turnip-rooted parsley

^[1][Not for use in California]

Small Fruit Vine Climbing Crops (Except Grape) – Subgroup 13-07E^[1]

Amur river grape, Gooseberry, Kiwifruit (fuzzy), Kiwifruit (hardy), Maypop, Schisandra berry, Cultivars, varieties and/or hybrids of these

^[1][Not for use in California]

Stone Fruits – Crop Group 12

Apricot, Cherry (sweet and tart), Chickasaw plum, Damson plum, Fresh prune, Japanese plum, Nectarine, Peach, Plum, Plumcot

Tree Nuts – Crop Group 14

Almond, Beechnut, Brazil nut, Butternut, Cashew, Chestnut, Chinquapin, Filbert (Hazelnut), Hickory nut, Macadamia nut, Pecan, Walnut (black, English)

Tropical & Subtropical Fruits

Acerola, Atemoya, Avocado, Biriba, Black sapote, Canistel, Cherimoya, Custard apple, Feijoa, Guava, Ilima, Jaboticaba, Longan, Lychee, Mamey sapote, Mango, Passionfruit, Papaya, Pulasan, Rambutan, Sapodilla, Soursop, Spanish lime, Star apple, Starfruit, Sugar apple, Wax jambu

TURFGRASS AND SOD FARMS

CROPS	PESTS	PRODUCT RATES PER ACRE	SPECIAL INSTRUCTIONS
Turfgrass and Sod Farms	Ants Big Headed Ant Imported Fire Ant Native Fire Ant Pavement Ant Red Imported Fire Ant Southern (California) Fire Ant	1.5 to 2.0 lbs	<p>Broadcast or Aerial Application Apply uniformly with ground or aerial equipment calibrated to give the correct dosage. Repeat after 12 to 16 weeks if needed.</p> <p>WHEN TO APPLY Apply Avalaire Pyriprox 0.5 FAB in the early Spring or Summer at the first sign of ant activity. Applications may be made any time of the day but are more effective when ants are actively foraging, usually when the soil temperature is above 60°F. Avoid application if rain is expected within 4 to 6 hours. Do not water treated area for 24 hours after application. In the event of prolonged rains after initial treatment reapplication may be necessary.</p> <p>A second application of Avalaire Pyriprox 0.5 FAB may be advisable after 12 to 16 weeks in areas of heavy infestations or when the mounds remain active or when a reinfestation occurs. In large mounds some worker ants may persist for a while after the queen is dead. For 7 to 10 days after do not apply any other ant pesticide. This is to allow sufficient time for the worker ants to seek out the bait and take it back to the mound. After 14 days it may be desirable to apply a registered ant pesticide to kill remaining foraging ants.</p> <p>Individual Mound Treatment Apply 2 to 4 level Tbsp of Avalaire Pyriprox 0.5 FAB per mound, uniformly distributing material 3 to 4 ft around the mound. Do not disturb the mound. Do not apply to top of mounds. Repeat after 12 to 16 weeks if needed.</p>

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE

Keep this product in its tightly closed original container. Store in a cool, dry (preferably locked) area that is inaccessible to children and animals, and away from other pesticides, fertilizers, food or feed.

PESTICIDE DISPOSAL

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER HANDLING

Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment, then offer for recycling if available or dispose of empty bag in a sanitary landfill or by other procedures approved by state or local authorities.

LIMITATIONS OF WARRANTY AND LIABILITY

IMPORTANT: READ BEFORE USE. Read the entire Directions for Use, Conditions of Warranties and Limitations of Liability before using this product. If these terms and conditions are not acceptable, return the unopened product container at once. By using this product, user or buyer accepts the following Disclaimer of Warranties and Limitations of Liability. **CONDITIONS:** The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Ineffectiveness, injury, and other unintended consequences may result because of such factors as manner of use or application (including misuse), the presence of other materials, weather conditions, and other unknown factors, all of which are beyond the control of AVALAIRE, LLC. All such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: To the extent consistent with applicable law, AVALAIRE, LLC makes no other warranties, express or implied, of merchantability or of fitness for a particular purpose or otherwise, that extend beyond statements on this label. **LIMITATIONS OF LIABILITY:** To the extent consistent with applicable law, neither AVALAIRE, LLC the manufacturer, nor the Seller shall be liable for any indirect, special, incidental or consequential damages resulting from the use, handling, application, storage, or disposal of this product. 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, handling, application, or storage of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid.

[Avalaire Pyriprox[™]] is a trademark of Avalaire, LLC
[Esteem[®]] is a registered trademark of Valent U.S.A.
Corporation.

{LANGUAGE ON LABEL AFFIXED TO CONTAINER}

PYRIPROXYFEN	GROUP	7C	INSECTICIDE
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Avalaire PyriproxTM 0.5 FAB

Contains pyriproxyfen, the active ingredients used in [Esteem[®] Ant Bait].
 [Insect Growth Regulator]
 [For Use on Agricultural Turf and Food Crops]

ACTIVE INGREDIENT:	(% by weight)
Pyriproxyfen*	0.5%
OTHER INGREDIENTS:	<u>99.5%</u>
TOTAL	<u>100.0%</u>

*2-[1-methyl-2-(4-phenoxyphenoxy) ethoxy] pyridine

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

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.)

FIRST AID	
If on skin:	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact SafetyCall at 1-844-685-9173 for emergency medical treatment information.	

For Chemical Emergency:

Spill, Leak, Fire, Exposure, or Accident, Call CHEMTREC Day or Night
 Within USA and Canada: **1-800-424-9300** or **+1 703-527-3887** (collect calls accepted)

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION**

Harmful if absorbed through skin. Avoid contact with skin, eyes or clothing. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

ENVIRONMENTAL HAZARDS: This pesticide is toxic to fish and aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high-water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water by disposing of equipment washwaters or rinsate.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE

Keep this product in its tightly closed original container. Store in a cool, dry (preferably locked) area that is inaccessible to children and animals, and away from other pesticides, fertilizers, food or feed.

PESTICIDE DISPOSAL

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER HANDLING

Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment, then offer for recycling if available or dispose of empty bag in a sanitary landfill or by other procedures approved by state or local authorities.

See inside label booklet for additional Precautionary Statements and Directions for Use.

[Avalaire PyriproxTM 0.5 FAB] is not manufactured, or distributed by Valent U.S.A. Corporation, seller of [Esteem[®] Ant Bait].

Manufactured for:
Avalaire, LLC
 1204 Village Market Place, #173
 Morrisville, NC 27560

EPA Reg. No.: 93930-10
EPA Est. No.: _____
NET WEIGHT: _____