

U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs Registration Division (7505P) 1200 Pennsylvania Ave., N.W. Washington, D.C. 20460-0001

91234-59

EPA Reg. Number:

Date of Issuance:

04/04/2018

NOTICE	OF	PESTI	CIDE:

X Registration
Reregistration
(under FIFRA, as amended)

Conditional

Term of Issuance:

Name of Pesticide Product:

A118.03

Name and Address of Registrant (include ZIP Code):

Mr. David G. Bolin, Ph.D. Director - Regulatory Affairs Atticus, LLC 501 Cascade Pointe Lane, Suite 102 Cary, NC 27513-5787

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A). You must comply with the following conditions:

1. Submit and/or cite all data required for registration/registration/registration review of your product under FIFRA when the Agency requires all registrants of similar products to submit such data.

	Signature of Approving Official:	Date:
	Coll	04/04/2018
	Richard Gebken, Product Manager 10	
	Invertebrate & Vertebrate Branch 2	
Registration Division (7505P)		
	Office of Pesticide Programs	

EPA Form 8570-6

Page 2 of 3 EPA Reg. No. 91234-59 Decision No. 534903

- 2. You are required to comply with the data requirements described in the DCI or EDSP Order identified below:
 - a. Pyriproxyfen GDCI-129032-1299
 - b. Pyriproxyfen EDSP-129032-186
 - c. Pyriproxyfen EDSP-129032-187

You must comply with all of the data requirements within the established deadlines. If you have questions about the Generic DCI or EDSP Order listed above, you may contact the Chemical Review Manager in the Pesticide Reevaluation Division:

http://www.epa.gov/oppsrrd1/contacts_prd.htm

- 3. Be aware that proposed data requirements have been identified in a Work Plan or proposed DCI. For more information on these proposed data requirements, you may contact the Chemical Review Manager in the Pesticide Reevaluation Division:

 http://www.epa.gov/oppsrrd1/contacts_prd.htm
- 4. Make the following label changes before you release the product for shipment:
 - Revise the EPA Registration Number to read, "EPA Reg. No. 91234-59."
- 5. Submit one copy of the final printed label for the record before you release the product for shipment.

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.

Page 3 of 3 EPA Reg. No. 91234-59 Decision No. 534903

If you fail to satisfy these data requirements, EPA will consider appropriate regulatory action including, among other things, cancellation under FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records. Please also note that the record for this product currently contains the following CSFs:

• Basic CSF dated 09/21/2017

If you have any questions, please contact Mr. Carmen J. Rodia, Jr. by phone at (703) 306-0327, or via email at *Rodia.Carmen@epa.gov*.

Sincerely,

Richard Gebken

Product Manager 10

Invertebrate & Vertebrate Branch 2 Registration Division (7505P) Office of Pesticide Programs

Enclosures: Master Label Stamped "Accepted," dated 04/04/2018

Acute Toxicity Review, dated 03/08/2018 Product Chemistry Review, dated 03/12/2018

ACCEPTED

04/04/2018

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under

EPA Reg. No. 91234-59

Sublabel A

[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 7C INSECTICIDE

A118.03

[Alternate Brand Name: Reemit 0.5 G Fire Ant Bait]
Insect Growth Regulator
For Use on Ornamental and Nursery Crops

ACTIVE INGREDIENT:	By Wt
Pyriproxyfen*	0.5%
OTHER INGREDIENTS:	99.5%
TOTAL:	100.0%
*2-[1-methyl-2-(4-phenoxyphenoyx) ethoxy] pyridine	

CAUTION

See inside label booklet for First Aid, Precautionary Statements and Directions for Use.

EPA Reg. No.: 91234-XX

EPA Est. No.:

Net Weight:

Manufactured For:

Atticus, LLC 5000 CentreGreen Way, Suite 100 Cary, NC 27513

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

[A118.03] is not manufactured, or distributed by Valent U.S.A. Corporation, seller of Esteem® Ant Bait.

{LANGUAGE INSIDE BOOKLET}

FIRST AID			
If on skin: • 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. For emergency medical assistance, call SafetyCall: 1-844-685-9173.			

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, A118.03 contains a Group 7C insecticide. Any insect population may contain individuals naturally resistant to A118.03 and other Group 7C 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 reduce the potential for developing insect resistance, rotate to an insecticide with a different mode of action. Monitor treated pest populations for resistance development. Read product label before applying any insecticide and follow label directions.

To delay insecticide resistance, take the following steps:

- Rotate the use of A118.03 or other Group 7C 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 A118.03 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 Atticus, LLC representatives at www.atticusllc.com.

PRODUCT INFORMATION

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

A118.03 is an Insect Growth Regulator similar to naturally occurring insect growth hormones which interfere with (stops) their growth or development. A118.03 breaks the reproductive life cycle of the ants, causing starvation of the colony. A118.03 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 queen and the immature ants thereby preventing worker replacement. Due to degeneration of reproductive organs, the ant 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.

WHERE TO USE

For best results, follow directions for specific use areas.

- This product may be used in the following areas: Indoor and outdoor container or field grown ornamentals in commercial nurseries (including trees, shrubs, flowers, evergreens, foliage plants and ground covers), ornamental tree farms, conifers and conifer nurseries, sod farms.
- Bearing and non-bearing fruit and nut trees, non-bearing citrus in commercial nurseries and tree farms.
- Residential/domestic sites, defined as areas associated with the household or home life including apartment complexes, condominiums and patient care areas of nursing homes, mental institutions, hospitals or convalescent homes^[1],
- Uncultivated, non-agricultural areas, including airports, roadsides, highway rights-of-way, utility rights-of-way, campgrounds and industrial sites,
- Institutional sites defined as areas around properties or facilities providing a service to public or private organizations including hospitals, nursing homes, schools, universities, colleges, museums, libraries, sport facilities, golf courses and office buildings.

[¹Not for use in] [California] [New York]

PESTS	PRODUCT RATES PER ACRE	SPECIAL INSTRUCTIONS
Ants Bigheaded Ant Imported Fire Ant Native Fire Ant Pavement Ant	Broadcast 1.0 to 1.5 lbs Individual Mount Treatment	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.
Red Imported Fire Ant Southern (California) Fire Ant	1 to 4 level Tbsp	WHEN TO APPLY Apply A118.03 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.
		Fall applications of A118.03 may also be made and will provide extended control into the next season. Make applications before soil temperature falls below 60°F.
		A second application of A118.03 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.
		In areas with heavy infestations of ants, individual mounds may be treated with a contact insecticide after a broadcast application of A118.03. Wait at least 7 to 10 days after application, and then apply Orthene® Turf, Tree & Ornamental Spray to individual mounds according to the label.
		Individual Mound Treatment Do not disturb the mound. Do not apply to top of mounds. Apply 1 to 4 level Tbsp of A118.03 per mound, uniformly distributing material 3 to 4 ft around the mound. Repeat after 12 to 16 weeks if needed.

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.

Conditions of Sale and Limitation of Warranty and Liability

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials, resistant strains or other influencing factors in the use of the product, which are beyond the control of Atticus, LLC or Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Atticus, LLC and Seller harmless for any claims relating to such factors.

To the extent allowed by applicable laws, Atticus, LLC warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. This warranty does not extend to the use of the product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or Atticus, LLC and Buyer and User assume the risk of any such use. TO THE EXTENT ALLOWABLE BY APPLICABLE LAW, ATTICUS, LLC MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

To the extent allowed by applicable laws, in no event shall Atticus, LLC or Seller be liable for any incidental, consequential or special damages resulting from the use or handling of this product. TO THE EXTENT ALLOWABLE BY APPLICABLE LAW THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF ATTICUS, LLC AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF ATTICUS, LLC OR SELLER, THE REPLACEMENT OF THE PRODUCT.

Atticus, LLC and Seller offer this product, and Buyer and User accept it, subject to foregoing conditions of sale and limitations or warranty and of liability, which may not be modified except by written agreement signed by a duly authorized representative of Atticus, LLC.

Orthene is a registered trademark of OMS Investments, Inc.

Esteem® is a registered trademark of Valent U.S.A. Corporation.

[EPA approval date]

Sublabel B

[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 7C INSECTICIDE

A118.03

[Alternate Brand Name: Reemit 0.5 G Fire Ant Bait]
Insect Growth Regulator
For Use on Agricultural Turf and Food Crops

ACTIVE INGREDIENT:	By Wt
Pyriproxyfen*	0.5%
OTHER INGREDIENTS:	99.5%
TOTAL:	100.0%
*2-[1-methyl-2-(4-phenoxyphenoyx) ethoxy] pyridine	

CAUTION

See inside label booklet for First Aid, Precautionary Statements and Directions for Use.

EPA Reg. No.: 91234-XX

EPA Est. No.:

Net Weight:

Manufactured For:

Atticus, LLC 5000 CentreGreen Way, Suite 100 Cary, NC 27513

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

[A118.03] is not manufactured, or distributed by Valent U.S.A. Corporation, seller of Esteem® Ant Bait.

{LANGUAGE INSIDE BOOKLET}

FIRST AID			
If on skin: • 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. For emergency medical assistance, call SafetyCall: 1-844-685-9173.			

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, A118.03 contains a Group 7C insecticide. Any insect population may contain individuals naturally resistant to A118.03 and other Group 7C 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 reduce the potential for developing insect resistance, rotate to an insecticide with a different mode of action. Monitor treated pest populations for resistance development. Read product label before applying any insecticide and follow label directions.

To delay insecticide resistance, take the following steps:

- Rotate the use of A118.03 or other Group 7C 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 A118.03 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 Atticus, LLC representatives at www.atticusllc.com.

PRODUCT INFORMATION

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

A118.03 is an Insect Growth Regulator similar to naturally occurring insect growth hormones which interfere with (stops) their growth or development. A118.03 breaks the reproductive life cycle of the ants, causing starvation of the colony. A118.03 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
Ants Bigheaded Ant Imported Fire Ant Native Fire Ant Pavement Ant	1.0 to 2.0 lbs	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.
Red Imported Fire Ant Southern (California) Fire Ant		WHEN TO APPLY Apply A118.03 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.
		A second application of A118.03 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.
		Individual Mound Treatment Apply 2 to 4 level Tbsp of A118.03 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.

FOOD AND FEED CROPS

	I OOD AIL	J FEED CKO	1
		PRODUCT	
CRORS	DECTO	RATES	SPECIAL INSTRUCTIONS
CROPS	PESTS	PER ACRE	SPECIAL INSTRUCTIONS
For Crop Groups (See Crop Group	Ants Big Headed Ant	1.5 to 2.0 lbs	Broadcast or Aerial Application
Descriptions)	Imported Fire Ant		Apply uniformly with ground or aerial
Berry (Low Growing	Native Fire Ant		equipment calibrated to give the
Except Strawberry) ^[1]	Pavement Ant		correct dosage. Repeat after 12 to
Brassica (Cole) Leafy	Red Imported Fire		16 weeks if needed.
Vegetables	Ant		WHEN TO APPLY
Bulb Vegetables [2]	Southern (California)		Apply A118.03 in the early Spring or
Bushberry	Fire Ant `		
Caneberry ^[1]			Summer at the first sign of ant
Cereal Grains ^[1]			activity. Applications may be made
Citrus Fruits			any time of the day but are more
Cucurbits			effective when ants are actively
Foliage of Legume			foraging, usually when the soil
_Vegetables ^[1]			temperature is above 60°F. Avoid
Fruiting Vegetables			application if rain is expected within
Herb ^[1]			4 to 6 hours. Do not water treated
Leafy Vegetables (Except			area for 24 hours after application.
Brassica Vegetables) ^[1]			In the event of prolonged rains after
Leaves of Root and Tuber Vegetables ^[1]			initial treatment, reapplication may
Legume Vegetables			be necessary.
(Succulent or Dried)[3]			
Nongrass Animal Feeds ^[1]			A second application of A118.03
Pome Fruit			may be advisable after 12 to 16
Root and Tuber			weeks in areas of heavy infestations,
Vegetables ^[1]			or when the mounds remain active,
Small Fruit Vine Climbing			or when a reinfestation occurs. In
Crops (Except Grape)[1]			large mounds some worker ants may
Stone Fruit			persist for a while after the queen is
Tree Nuts			dead. For 7 to 10 days after
Tropical & Subtropical			treatment do not apply any other ant
Fruits			pesticide. This is to allow sufficient
Individual Crops			time for the worker ants to seek out
Artichoke (Globe) ^[1]			the bait and take it back to the
Asparagus ^[1]			mound. After 14 days, it may be
Banana ^[1]			desirable to apply a registered ant
Cacao Bean			pesticide to kill remaining foraging
Canola, seed only Cotton			1.
Dates ^[1]			ants.
Figs			Bearing Almond Timing: In
Grape			bearing almond orchards apply at 6
Olives			to 8 weeks prior to harvest to protect
Paw Paw ^[1]			fallen nuts. Repeat after 12 to 16
Peanuts ^[1]			weeks if needed.
Pineapple ^[1]			
Pistachio			Individual Mound Treatment
Plantain ^[1]			Apply 2 to 4 level Tbsp of A118.03
Pomegranate ^[1]			per mound, uniformly distributing
Rangeland ^[1]			material 3 to 4 ft around the mound.
Safflower [1]			Do not disturb the mound. Do not
Sesame [1]			apply to top of mounds. Repeat after
Strawberry			12 to 16 weeks if needed.
Tea ^[1]			
Watercress ^[1]			
White Sapote			

Γ			PRODUCT	
			RATES	
	CROPS	PESTS	PER ACRE	SPECIAL INSTRUCTIONS

For all crops except Pasture Grass and Rangeland do not apply within 24 hours of harvest.

- 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:

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 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 Pawpaw, Stone Fruits, do not exceed 0.327 lb pyriproxyfen per acre per season.

CROP GROUP DESCRIPTIONS

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

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

Brassica (Cole) Leafy Vegetables - Crop Group 5

Broccoli, Broccoli, Chinese (gailon), Broccoli Raab (rapini), Brussels Sprouts, Cabbage, Cabbage (Chinese, bok choy, and napa), Cauliflower, Cavalo 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 (potato, bulb), Onion (tree, tops)^[1], Onion (Welsh, tops)^[1], Shallot (bulb), Shallot (fresh leaves)^[1], Cultivars, varieties, and/or hybrids of these.

Bushberry – Subgroup 13-07B

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

Caneberry - Subgroup 13-07A

Blackberry (including Bingleberry, Black Satin Berry, Boysenberry, Cherokee blackberry, Chesterberry, Cheyenne blackberry, Coryberry, Darrowberry, Dewberry, Dirksen thornless berry, Himalayaberry,

^{[1][}Not for use in] [California] [New York]

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

^{[3][}Not for use on soybeans in] [California] [New York]

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.

Cereal Grains - Crop Group 15

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

Citrus Fruits - Crop Group 10-10

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

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 True Cantaloupe, Cantaloupe, Casaba, Crenshaw Melon, Golden Pershaw Melon, Honeydew Melon, Honey Balls, Mango Melon, Persian Melon, Pineapple Melon, Santa Claus Melon, and Snake Melon), Pumpkin, Squash (summer, includes Crookneck Squash, Scallop Squash, Straightneck Squash, Vegetable Marrow, Zucchini), Squash (winter, includes Butternut Squash, Calabaza, Hubbard Squash, Acorn Squash, Spaghetti Squash), Watermelon.

Foliage of Legume Vegetables - Crop Group 7

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*).

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

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

Herb - Subgroup 19A

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

Leafy Vegetables (Except Brassica Vegetables) - Crop Group 4

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, Finochio), Lettuce (Head and Leaf), Orach, Parsley, Purslane (Garden), Purslane (Winter), Radicchio (Red Chicory), Rhubarb, Spinach, Spinach (New Zealand), Spinach (Vine), Swiss Chard

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

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)

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

Nongrass Animal Feeds (Forage, Fodder, Straw and Hay) - Crop Group 18

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

Pome Fruit – Crop Group 11-10

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

Root and Tuber Vegetables - Crop Group 1

Arracacha, Arrowroot, Artichoke (Chinese and Jerusalem), Bean Yam, Beet (garden and sugar), Black Salsify, Carrot, Cassava (bitter and sweet), Celeriac (celery root), Chaoyote (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

Small Fruit Vine Climbing Crops (Except Grape) – Subgroup 13-07E

Amur River Grape, Gooseberry, Kiwifruit (Fuzzy), Kiwifruit (Hardy), Maypop, Schisandra Berry, Cultivars, varieties and/or hybrids of these

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, Ilama, Jaboticaba, Longan, Lychee, Mamey Sapote, Mango, Passionfruit, Papaya, Pulasan, Rambutan, Sapodilla, Soursop, Spanish Lime, Star Apple, Starfruit, Sugar Apple, Wax Jambu

[1Not for use in] [California] [New York]

TURFGRASS AND SOD FARMS

			PRODUCT	
CRO	OPS	PESTS	RATES PER ACRE	SPECIAL INSTRUCTIONS
Turfgrass Farms	and Sod	Ants Big Headed Ant Imported Fire Ant Native Fire Ant Pavement Ant Red Imported Fire	1.5 to 2.0 lbs	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.
		Ant Southern (California) Fire Ant		WHEN TO APPLY Apply A118.03 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.
				A second application of A118.03 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.
				Individual Mount Treatment Apply 2 to 4 level Tbsps of A118.03 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.

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.

Conditions of Sale and Limitation of Warranty and Liability

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials, resistant strains or other influencing factors in the use of the product, which are beyond the control of Atticus, LLC or Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Atticus, LLC and Seller harmless for any claims relating to such factors.

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[EPA approval date]