

IPM-1314

# Homeowner Lawns



Insect Control Recommendations for 2013

## Homeowner Lawns Insect Control

Insect	Insecticide	Amount per 1000 sq. ft.	Comments
<b>ANTS (SEE ALSO IMPORTED FIRE ANTS)</b>			
bifenthrin			
	HI-YIELD BUG BLASTER BIFENTHRIN 2.4 CONCENTRATE	3 fl.oz.	Apply in 6 gallons of water per 1,000 square feet.
	HI-YIELD BUG BLASTER II GRANULES 0.2%	2.3-4.6 lb.	
	ORTHO BUG B GON MAX INSECT KILLER FOR LAWNS GRANULES 0.115%	1-2 lb.	Use a spreader designed for application of granular materials.
	ORTHO BUG B GON MAX LAWN AND GARDEN INSECT KILLER 0.3%	6-12 fl.oz.	Apply in 8 gallons of water per 1,000 square feet. Apply to lawn that was mowed and watered within the past 24 hours.
gamma-cyhalothrin			
	SPECTRACIDE TRIACIDE INSECT KILLER ONCE AND DONE GRANULES 0.05%	0.8 lb.	Apply with a fertilizer spreader when grass is dry and then water lawn immediately.
imidacloprid 0.72% + beta-cyfluthrin 0.36%			
	BAYER ADVANCED COMPLETE INSECT KILLER FOR SOIL AND TURF CONCENTRATE	6 fl.oz.	Apply in 2 gallons of water per 1,000 square feet.
imidacloprid 0.15% + beta-cyfluthrin 0.05%			
	BAYER ADVANCED COMPLETE INSECT KILLER FOR SOIL AND TURF GRANULES	2-3 lb.	Water in after applying.
lambda-cyhalothrin			
	SPECTRACIDE FIRE ANT KILLER YARD PROTECTION GRANULES 0.1%	0.8 lb.	Water lightly after application. Can also spot treat hills with 0.5 teaspoon per mound and water lightly.
permethrin			
	HI-YIELD 38 PLUS TURF, TERMITE AND ORNAMENTAL INSECT CONTROL	0.4-0.8 fl.oz.	Apply using 4 to 25 gallons of spray volume per 1,000 square feet.
thiamethoxam 0.20% + lambda-cyhalothrin 0.04%			
	AMDRO QUICK KILL LAWN AND LANDSCAPE INSECT KILLER GRANULES	2-3 lb.	
zeta-cypermethrin			
	AMDRO QUICK KILL LAWN AND LANDSCAPE INSECT KILLER LIQUID 0.35%	15 oz.	Apply in 1 gallon of water per 1,000 square feet.

**Homeowner Lawns Insect Control (cont.)**

Insect	Insecticide	Amount per 1000 sq. ft.	Comments
<b>ARMYWORMS, CUTWORMS, SOD WEBWORMS</b>			
Bacillus thuringiensis	DIPEL 50WP	0.75-1.5 oz.	
bifenthrin	HI-YIELD BUG BLASTER BIFENTHRIN 2.4 CONCENTRATE	3 fl.oz.	Apply in 6 gallons of water per 1,000 square feet.
	HI-YIELD BUG BLASTER II GRANULES 0.2%	1.15 lb.	Irrigate with up to 0.1 inch of water after application.
	ORTHO BUG B GON MAX INSECT KILLER FOR LAWNS GRANULES 0.115%	1-2 lb.	Use a spreader designed for application of granular materials.
	ORTHO BUG B GON MAX LAWN AND GARDEN INSECT KILLER 0.3%	6-12 fl.oz.	Apply in 8 gallons of water per 1,000 square feet.
carbaryl	SEVIN 50WP	6.5 oz.	For fall armyworm and sod webworm. Apply after rain or irrigation. Do not water for 2 days after application.
	SEVIN 5% DUST	4 lb.	
chlorantraniprole	SCOTT'S GRUB-EX1 SEASON LONG GRUB KILLER GRANULES 0.08%	2.87 lb.	Apply to dry lawn and lightly water to activate.
gamma-cyhalothrin	SPECTRACIDE TRIACIDE INSECT KILLER ONCE AND DONE GRANULES 0.05%	0.8 lb.	Apply with a fertilizer spreader when grass is dry and then water lawn lightly.
imidacloprid 0.72% + beta-cyfluthrin 0.36%	BAYER ADVANCED COMPLETE INSECT KILLER FOR SOIL AND TURF CONCENTRATE	6 fl.oz.	Apply in 2 gallons of water per 1,000 square feet.
imidacloprid 0.15% + beta-cyfluthrin 0.05%	BAYER ADVANCED COMPLETE INSECT KILLER FOR SOIL AND TURF GRANULES	2-3 lb.	Water in after applying.
lambda-cyhalothrin	SPECTRACIDE FIRE ANT KILLER YARD PROTECTION GRANULES 0.1%	0.8-2.0 lb.	Water lightly after application. Use higher rate for up to 3 months control.
permethrin	HI-YIELD 38 PLUS TURF, TERMITE AND ORNAMENTAL INSECT CONTROL	0.4-0.8 fl.oz.	
thiamethoxam 0.20% + lambda-cyhalothrin 0.04%	AMDRO QUICK KILL LAWN AND LANDSCAPE INSECT KILLER GRANULES	2-3 lb.	Irrigate after application.
trichlorfon	BAYER ADVANCED 24 HOUR GRUB KILLER PLUS GRANULES 9.3%	1.33 lb.	Apply using 4 to 25 gallons of spray volume per 1,000 square feet.
zeta-cypermethrin	AMDRO QUICK KILL LAWN AND LANDSCAPE INSECT KILLER LIQUID 0.35%	15 oz.	Apply in 1 gallon of water per 1,000 square feet.
<b>CHINCH BUGS</b>			
bifenthrin	HI-YIELD BUG BLASTER BIFENTHRIN 2.4 CONCENTRATE	3 fl.oz.	Apply in 6 gallons of water per 1,000 square feet.
	HI-YIELD BUG BLASTER II GRANULES 0.2%	2.3-4.6 lb.	Irrigate with up to 0.25 inch of water after application.
	ORTHO BUG B GON MAX INSECT KILLER FOR LAWNS GRANULES 0.115%	1-2 lb.	Use a spreader designed for application of granular materials.

**Homeowner Lawns Insect Control (cont.)**

Insect	Insecticide	Amount per 1000 sq. ft.	Comments
<b>CHINCH BUGS (cont.)</b>			
bifenthrin (cont.)			
	ORTHO BUG B GON MAX LAWN AND GARDEN INSECT KILLER 0.3%	6-12 fl.oz.	Apply in 8 gallons of water per 1,000 square feet. Apply to lawn that was mowed and watered within the past 24 hours.
carbaryl			
	SEVIN	See label.	
	Various formulations		
cyfluthrin (0.05%) + imidacloprid (0.15%)			
	BAYER ADVANCED COMPLETE INSECT KILLER (GRANULAR)	2-3 lb.	Water thoroughly within a day after application.
cyfluthrin (0.36%) + imidacloprid (0.72%)			
	BAYER ADVANCED COMPLETE INSECT KILLER FOR SOIL AND TURF LIQUID)	6 oz.	Water after applying. Apply in 2 gallons of water per 1000 square feet.
gamma-cyhalothrin			
	SPECTRACIDE TRIACIDE INSECT KILLER ONCE AND DONE GRANULES 0.05%	1.2 lb.	Apply with a fertilizer spreader. Water thoroughly after application.
lambda-cyhalothrin			
	SPECTRACIDE FIRE ANT KILLER YARD PROTECTION GRANULES 0.1%	1.2 lb.	Apply with a fertilizer spreader. Water thoroughly after application.
permethrin			
	HI-YIELD 38 PLUS TURF, TERMITE AND ORNAMENTAL INSECT CONTROL	0.4-0.8 fl.oz.	Apply using 4 to 25 gallons of spray volume per 1,000 square feet.
thiamethoxam 0.20% + lambda-cyhalothrin 0.04%			
	AMDRO QUICK KILL LAWN AND LANDSCAPE INSECT KILLER GRANULES 0.35%	2-3 lb.	Irrigate after application.
zeta-cypermethrin			
	AMDRO QUICK KILL LAWN AND LANDSCAPE INSECT KILLER LIQUID 0.35%	15 oz.	Apply in 1 gallon of water per 1,000 square feet.
<b>DIGGER WASPS, EARWIGS, SOWBUGS</b>			
bifenthrin			
	HI-YIELD BUG BLASTER BIFENTHRIN 2.4 CONCENTRATE	3 fl.oz.	Apply in 6 gallons of water per 1,000 square feet.
	HI-YIELD BUG BLASTER II GRANULES 0.2%	4.6 lb.	
	ORTHO BUG B GON MAX INSECT KILLER FOR LAWNS GRANULES 0.115%	1-2 lb.	Use a spreader designed for application of granular materials.
	ORTHO BUG B GON MAX LAWN AND GARDEN INSECT KILLER 0.3%	6-12 fl.oz.	Apply in 8 gallons of water per 1,000 square feet. Apply to lawn that was mowed and watered within the past 24 hours.
carbaryl			
	SEVIN 50WP	6.5 oz.	
	Various formulations	See label.	
gamma-cyhalothrin			
	SPECTRACIDE TRIACIDE INSECT KILLER ONCE AND DONE GRANULES 0.05%	0.8 lb.	Apply with a fertilizer spreader when grass is dry and then water lawn lightly.
lambda-cyhalothrin			
	SPECTRACIDE FIRE ANT KILLER YARD PROTECTION GRANULES 0.1%	0.8 lb.	Apply with a fertilizer spreader. Water lightly after application.
permethrin			
	HI-YIELD 38 PLUS TURF, TERMITE AND ORNAMENTAL INSECT CONTROL	0.4-0.8 fl.oz.	Apply using 4 to 25 gallons of spray volume per 1,000 square feet.

**Homeowner Lawns Insect Control (cont.)**

Insect	Insecticide	Amount per 1000 sq. ft.	Comments
<b>DIGGER WASPS, EARWIGS, SOWBUGS (cont.)</b>			
thiamethoxam 0.20% + lambda-cyhalothrin 0.04%	AMDRO QUICK KILL LAWN AND LANDSCAPE INSECT KILLER GRANULES	2-3 lb.	Irrigate after application.
zeta-cypermethrin	AMDRO QUICK KILL LAWN AND LANDSCAPE INSECT KILLER LIQUID 0.35%	15 oz.	Apply in 1 gallon of water per 1,000 square feet.
<b>IMPORTED FIRE ANTS</b>			
<b>Individual Mound Treatments</b>			
acephate	ORTHENE TTO (75% POWDER)		
	Dry Treatment	1-2 t./mound	Evenly distribute over mound.
	Drench Method	1 oz./5 gal. water	Apply 1 gallon of mix to each mound.
	ORTHENE FIRE ANT KILLER (50% POWDER)	1 T.	Sprinkle over and around mound.
carbaryl	SEVIN 50WP	4 oz.	
imidacloprid 0.15% + beta-cyfluthrin 0.05%	BAYER ADVANCED COMPLETE INSECT KILLER FOR SOIL AND TURF	0.25 cup/mound	
lambda-cyhalothrin	SPECTRACIDE FIRE ANT KILLER MOUND DESTROYER GRANULES 0.4%	0.5 cup/mound	Water in granules by applying 1 gallon of water per mound.
thiamethoxam 0.20% + lambda-cyhalothrin 0.04%	AMDRO QUICK KILL LAWN AND LANDSCAPE INSECT KILLER GRANULES 0.35%	0.5 cup over and 2 ft. around each mound	Water in immediately with a minimum of 1 gallon of water per mound. Apply water gently to avoid disturbing ants.
<b>Bait Treatments</b>			
abamectin	ASCEND 0.011% VARSITY 0.011%	0.4 oz. See label.	Follow label directions for each product. Bait should be used as soon as possible after opening package. Apply baits when ants are actively foraging for food. Do not apply bait when foliage is wet or just before a rain. Pest control operators can apply Award or Chipco Firestar to home lawns.
fenoxycarb	AWARD		
fipronil	CHIPCO FIRESTAR FIRE ANT BAIT		
hydramethylnon	AMDRO FIRE ANT BAIT 0.73%	0.4-0.8 oz.	
hydramethylnon 0.03% + (S) methoprene 0.0172%	AMDRO FIRE STRIKE YARD TREATMENT GRANULES	1 lb.	
indoxacarb	SPECTRACIDE ONCE N' DONE FIRE ANT KILLER PLUS PREVENTER BAIT		
methoprene	EXTINGUISH		
pyriproxyfen	DISTANCE		

**Homeowner Lawns Insect Control (cont.)**

Insect	Insecticide	Amount per 1000 sq. ft.	Comments
<b>IMPORTED FIRE ANTS (cont.)</b>			
<b>Bait Treatments (cont.)</b>			
spinosad			
	ELIMINATOR FIRE ANT KILLER BAIT		
	FERTILOME COME AND GET IT!		
	ORTHO FIRE ANT KILLER BAIT GRANULES		
<b>Broadcast Treatments</b>			
bifenthrin			
	GARDENTECH OVER'N OUT GRANULES 0.2%	2.3 lb.	
	HI-YIELD BUG BLASTER II GRANULES 0.2%	4.6 lb.	In addition to broadcast treatments, include mound treatments using 0.5 cup per mound.
	ORTHO MAX FIRE ANT KILLER GRANULES 0.2%	2.3 lb.	
gamma-cyhalothrin			
	SPECTRACIDE TRIACIDE INSECT KILLER ONCE AND DONE GRANULES 0.05%	2 lb.	Apply with a fertilizer spreader when grass is dry and then water lawn lightly.
imidacloprid 0.72% + beta-cyfluthrin 0.36%			
	BAYER ADVANCED COMPLETE INSECT KILLER FOR SOIL AND TURF CONCENTRATE	6 fl.oz.	Apply in 2 gallons of water per 1,000 square feet.
lambda-cyhalothrin			
	SPECTRACIDE FIRE ANT KILLER YARD PROTECTION GRANULES 0.1%	2 lb.	Apply with a fertilizer spreader. Water lightly after application.
permethrin			
	HI-YIELD 38 PLUS TURF, TERMITE AND ORNAMENTAL INSECT CONTROL	0.4-0.8 fl.oz.	Apply using 4 to 25 gallons of spray volume per 1,000 square feet.
zeta-cypermethrin			
	AMDRO QUICK KILL LAWN AND LANDSCAPE INSECT KILLER 0.35%	15 fl.oz.	Apply in 1 gallon of water per 1,000 square feet.
<b>MILLIPEDES</b>			
bifenthrin			
	HI-YIELD BUG BLASTER II GRANULES 0.2%	2.3-4.6 lb.	
	ORTHO BUG B GON MAX INSECT KILLER FOR LAWNS GRANULES 0.115%	1-2 lb.	Use a spreader designed for application of granular materials.
carbaryl			
	SEVIN 50WP	6 oz.	Apply to turf 6 to 10 feet around building to provide a barrier treatment.
gamma-cyhalothrin			
	SPECTRACIDE TRIACIDE INSECT KILLER ONCE AND DONE GRANULES 0.05%	0.8 lb.	Apply with a fertilizer spreader when grass is dry and then water lawn immediately.
lambda-cyhalothrin			
	SPECTRACIDE FIRE ANT KILLER YARD PROTECTION GRANULES 0.1%	0.8 lb.	Water lightly after application. Can also spot treat hills with 0.5 teaspoon per mound and water lightly.
permethrin			
	HI-YIELD 38 PLUS TURF, TERMITE AND ORNAMENTAL INSECT CONTROL	0.4-0.8 fl.oz.	Apply using 4 to 25 gallons of spray volume per 1,000 square feet.
thiamethoxam 0.20% + lambda-cyhalothrin 0.04%			
	AMDRO QUICK KILL LAWN AND LANDSCAPE INSECT KILLER GRANULES 0.35%	2-3 lb.	Irrigate after application.

**Homeowner Lawns Insect Control (cont.)**

Insect	Insecticide	Amount per 1000 sq. ft.	Comments
<b>MILLIPEDES (cont.)</b>			
thiamethoxam 0.20% + lambda-cyhalothrin 0.04%			
	AMDRO QUICK KILL LAWN AND LANDSCAPE INSECT KILLER GRANULES 0.35%	15 oz.	Apply in 1 gallon of water per 1,000 square feet.
<b>MOLE CRICKETS</b>			
bifenthrin			
	HI-YIELD BUG BLASTER 2.4 CONCENTRATE	3 fl.oz.	Apply in 6 gallons of water per 1,000 square feet.
	HI-YIELD BUG BLASTER II GRANULES 0.2%	2.3-4.6 lb.	If soil is dry, irrigate before treating and irrigate with up to 0.5 inch of water after application.
	ORTHO BUG B GON MAX INSECT KILLER FOR LAWNS GRANULES 0.115%	2-4 lb.	Use a spreader designed for application of granular materials.
	ORTHO BUG B GON MAX LAWN AND GARDEN INSECT KILLER 0.3%	6-12 fl.oz.	Apply in 8 gallons of water per 1,000 square feet. Apply to lawn that was mowed and watered within the past 24 hours.
carbaryl bait			
	SEVIN 20B	2-4 oz.	Water lawn before applying bait if soil is dry.
cyfluthrin (0.05%) + imidacloprid (0.15%)			
	BAYER ADVANCED COMPLETE INSECT KILLER (GRANULAR)	2-3 lb.	Water thoroughly within a day after application.
cyfluthrin (0.36%) + imidacloprid (0.72%)			
	BAYER ADVANCED COMPLETE INSECT KILLER FOR SOIL AND TURF (LIQUID)	6 oz.	Apply in 2 gallons of water per 1000 square feet.
gamma-cyhalothrin			
	SPECTRACIDE TRIACIDE INSECT KILLER ONCE AND DONE GRANULES 0.05%	1.2 lb.	Immediately after application, water lawn thoroughly.
imidacloprid			
	HI-YIELD GRUB FREE ZONE GRANULE 0.5%	1.8 lb.	Apply prior to or during the peak egg hatch period and irrigate sufficiently to move material through thatch.
lambda-cyhalothrin			
	SPECTRACIDE FIRE ANT KILLER YARD PROTECTION GRANULES 0.1%	0.8 lb.	Water lightly after application. Can also spot treat hills with 0.5 teaspoon per mound and water lightly.
permethrin			
	HI-YIELD 38 PLUS TURF, TERMITE AND ORNAMENTAL INSECT CONTROL	0.4-0.8 fl.oz.	Apply using 4 to 25 gallons of spray volume per 1,000 square feet.
thiamethoxam 0.20% + lambda-cyhalothrin 0.04%			
	AMDRO QUICK KILL LAWN AND LANDSCAPE INSECT KILLER GRANULES 0.35%	2-3 lb.	Irrigate after application.
trichlorfon			
	BAYER ADVANCED 24 HOUR GRUB KILLER PLUS GRANULES 9.3%	2 lb.	Insects are killed on contact after granules are watered in.
zeta-cypermethrin			
	AMDRO QUICK KILL LAWN AND LANDSCAPE INSECT KILLER LIQUID 0.35%	15 oz.	Apply in 1 gallon of water per 1,000 square feet.
<b>SPITTLEBUGS</b>			
bifenthrin			
	ORTHO BUG B GON MAX INSECT KILLER FOR LAWNS GRANULES 0.115%	1-2 lb.	Use a spreader designed for application of granular materials.



**Homeowner Lawns Insect Control (cont.)**

Insect	Insecticide	Amount per 1000 sq. ft.	Comments
<b>SPITTLEBUGS (cont.)</b>			
gamma-cyhalothrin	SPECTRACIDE TRIACIDE INSECT KILLER ONCE AND DONE GRANULES 0.05%	0.8 lb.	Apply with a fertilizer spreader when grass is dry and then water lawn immediately.
lambda-cyhalothrin	SPECTRACIDE FIRE ANT KILLER YARD PROTECTION GRANULES 0.1%	1.2 lb.	Apply with a fertilizer spreader. Water lightly after application.
thiamethoxam 0.20% + lambda-cyhalothrin 0.04%	AMDRO QUICK KILL LAWN AND LANDSCAPE INSECT KILLER GRANULES 0.35%	2-3 lb.	Irrigate after application.
zeta-cypermethrin	AMDRO QUICK KILL LAWN AND LANDSCAPE INSECT KILLER LIQUID 0.35%	15 oz.	Apply in 1 gallon of water per 1,000 square feet.
<b>WHITE GRUBS (SUCH AS JAPANESE BEETLE LARVA, EUROPEAN CHAFER, SOUTHERN CHAFER, AND BILLBUGS)</b>			
carbaryl	SEVIN 7L	4-6 oz.	For green June beetle larvae only.
chlorantraniprole	SCOTT'S GRUB-EX1 SEASON LONG GRUB KILLER GRANULES 0.08%	2.87 lb.	Apply to dry lawn and lightly water to activate.
cyfluthrin (0.05%) + imidacloprid (0.15%)	BAYER ADVANCED COMPLETE INSECT KILLER (GRANULAR)	2-3 lb.	Water thoroughly within a day after application.
cyfluthrin (0.36%) + imidacloprid (0.72%)	BAYER ADVANCED COMPLETE INSECT KILLER FOR SOIL AND TURF (LIQUID)	6 oz.	Apply in 2 gallons of water per 1000 square feet.
gamma-cyhalothrin	SPECTRACIDE TRIACIDE INSECT KILLER ONCE AND DONE GRANULES 0.05%	1.2 lb.	Immediately after application, water grass thoroughly with 0.25 to 0.15 inch of water.
imidacloprid	BAYER ADVANCED GRUB CONTROL PLUS TURF REVITALIZER 0.25% GRANULAR	2.4 lb.	Water thoroughly within 24 hours after applying.
	HI-YIELD GRUB FREE ZONE GRANULES 0.5%	1.2-1.8 lb.	Apply prior to egg hatch. Irrigate sufficiently to move material through thatch.
lambda-cyhalothrin	SPECTRACIDE FIRE ANT KILLER YARD PROTECTION GRANULES 0.1%	1.2 lb.	Apply with a fertilizer spreader. Immediately after application, water grass thoroughly with 0.25 to 0.5 inch of water.
trichlorfon	BAYER ADVANCED 24 HOUR GRUB KILLER PLUS GRANULES 9.3%	2 lb.	Insects are killed on contact after granules are watered in.

**NOTE:** A number of pyrethroid materials are available in a variety of homeowner formulations for use as broad-spectrum contact insecticides. Some of these products were not listed in this publication due to the large number available. Common names include bifenthrin, cyfluthrin, cypermethrin, deltamethrin, lambda-cyhalothrin, permethrin, and tralomethrin. Active ingredients are listed on the label.

Homeowner Lawns: Insect Control prepared by Tim Reed, Extension Entomologist, Alabama Cooperative Extension System, Alabama A&M University and Auburn University.

For more information on pesticides, pesticide safety, or submitting samples for analysis, see the following publications in the IPM series:

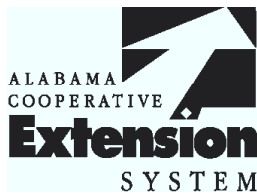
**IPM 1293, "Safety."** Safety contact information; worker protection standards; the safe use, handling, and storage of pesticides

**IPM 1294, "Submitting Samples."** Procedures for submitting samples for diagnosis, analysis, and identification

**IPM 1295, "General Pesticide Information."** Federal and state restricted use pesticide lists; pesticides and water quality

ARCHIVE

**2013 IPM-1314**



**For more information**, contact your county Extension office. Visit [www.aces.edu/counties](http://www.aces.edu/counties) or look in your telephone directory under your county's name to find contact information.

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Use pesticides **only** according to the directions on the label. Follow all directions, precautions, and restrictions that are listed. Do not use pesticides on plants that are not listed on the label

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The pesticide rates in this publication are recommended **only** if they are registered with the Environmental Protection Agency or the Alabama Department of Agriculture and Industries. If a registration is changed or canceled, the rate listed here is no longer recommended. Before you apply **any** pesticide, check with your county Extension agent for the latest information.

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Trade names are used **only** to give specific information. The Alabama Cooperative Extension System does not endorse or guarantee any product and does not recommend one product instead of another that might be similar.

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