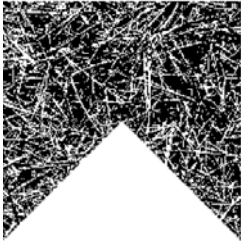


IPM

Households



Insect Control Recommendations for 2011

INSECT CONTROL

Insecticide and Formulation (%)	Kills
abamectin	
ADVANCED ANT BAIT (Bait) (0.011%)	Ants (including Acrobat, Argentine, Bigheaded, Carpenter, Crazy, Field, Fire, Harvester, Little Black, Pavement, Pharaoh, Odorous House, and Thief)
ASCEND FIRE ANT BAIT (Bait) (0.011%)	Fire Ants, Pharaoh Ants, and Related Ants
acephate	
ORTHENE (Aerosol) (1.0%)	Ants, Booklice, Boxelder Bugs, Centipedes, Clover Mites, Cockroaches, Crickets, Earwigs, Millipedes, Silverfish, Sowbugs, and Spiders
acetamiprid and bifenthrin	
TRANSPORT GHP INSECTICIDE (Dust) (22.73 %, 27.27%)	Ants (including Red Imported Fire and Carpenter), Bees, Boxelder Bugs, Centipedes, Chiggers, Clover Mites, Cockroaches, Crickets, Earwigs, Fleas, Flies, Gnats, Millipedes, Mosquitoes, Pillbugs, Scorpions, Silverfish, Sowbugs, Spiders (including Black Widows), Springtails, Wasps, and Ticks (including American Dog and Deer)
bifenthrin	
TALSTAR P PROFESSIONAL INSECTICIDE (Liquid) (7.9%)	Ants (including Carpenter and Fire), Bees, Boxelder Bugs, Centipedes, Chiggers, Clover Mites, Cockroaches, Crickets, Earwigs, Fleas, Flies, Gnats, Hornets, Millipedes, Mosquitoes, Pillbugs, Scorpions, Silverfish, Sowbugs, Spiders (including Black Widows, Brown Recluses, and Hobo), Springtails, Ticks (including Brown Dog), and Wasps
boric acid	
MOTHER EARTH GRANULAR SCATTER BAIT (Bait) (5.0%)	Ants, Cockroaches, Crickets, Earwigs, and Silverfish
PERMA-DUST (Dust) (35.5%)	Ants, Booklice, Boxelder Bugs, Clover Mites, Cockroaches, Crickets, Earwigs, Millipedes, Pillbugs, Scorpions, Silverfish, Sowbugs, and Spiders
chlorfenapyr	
PHANTOM PRESSURIZED INSECTICIDE (Aerosol) (0.5%)	Ants (Acrobat, Argentine, Odorous House, Pavement, Pharaoh, and Pyramid), Bed Bugs, Boxelder Bugs, Centipedes, Crickets, Cockroaches (American, Asian, Brown-Banded, German, Oriental, and Smokey Brown), Earwigs, Scorpions, Spiders (Black Widow and Cellar), Silverfish, and Termites
PHANTOM TERMITICIDE-INSECTICIDE (Liquid) (21.44%)	Ants (including Acrobat, Argentine, Carpenter, Odorous House, Pavement, Pharaoh's, Pyramid), Bed Bugs, Boxelder Bugs, Centipedes, Cockroaches (including American, Asian, Brown-Banded, German, Oriental, and Smokey Brown), Crickets, Earwigs, Pillbugs, Scorpions, Spiders (including Black Widow and Cellar), and Silverfish

Insecticide and Formulation (%)	Kills
cyfluthrin	
FASTOUT CS FOAM (Foam) (0.1%)	Ants (except Fire and Harvester), Bed Bugs, Bees, Boxelder Bugs, Carpet Beetles, Centipedes, Clover Mites, Cockroaches, Crickets, Earwigs, Flies, Hornets, Millipedes, Scorpions, Silverfish, Sowbugs, Spiders (also Brown Recluse), Termites (Subterranean and Drywood), Ticks, and Wasps
CRACK AND CREVICE I (Aerosol) (0.1%)	Ants, Booklice, Boxelder Bugs, Centipedes, Clover Mites, Cockroaches, Crickets, Earwigs, Scorpions, Silverfish, Sowbugs, Spiders, Termites, and Ticks
CY-KICK (Aerosol) (0.1%)	Ants, Booklice, Boxelder Bugs, Centipedes, Clover Mites, Cockroaches, Crickets, Earwigs, Millipedes, Scorpions, Silverfish, Sowbugs, Spiders, and Ticks
CY-KICK CS (Aerosol) (0.1%)	Ants, Bees, Boxelder Bugs, Centipedes, Clover Mites, Cockroaches, Crickets, Earwigs, Fire Ants, Flies, Millipedes, Mosquitoes, Scorpions, Silverfish, Sowbugs, Spiders, Ticks, Yellowjackets, and Wasps
CY-KICK CS (Liquid) (6.0%)	Ants, Bed Bugs, Bees, Boxelder Bugs, Centipedes, Clover Mites, Cockroaches, Crickets, Earwigs, Fire Ants, Fleas, Flies, Hornets, Millipedes, Mosquitoes, Scorpions, Silverfish, Sowbugs, Spiders, Termites, Ticks, Yellowjackets, and Wasps
d-limonene	
MOTHER EARTH PROCITRA-DL (Aerosol) (10.0%)	Ants, Boxelder Bugs, Centipedes, Clover Mites, Cockroaches, Crickets, Earwigs, Fleas, Millipedes, Scorpions, Silverfish, Sowbugs, Spiders, Termites (Dry Wood), and Ticks
MOTHER EARTH WASP AND HORNET (Aerosol) (10.0%)	Bees, Hornets, Spiders (except Black Widows and Brown Recluses), Yellowjackets, and Wasps
d-trans allethrin and phenothrin	
WASP-FREEZE (Aerosol) (0.129%, 0.120%)	Bees, Hornets, Spiders, Yellowjackets, and Wasps
diatomaceous earth (including silicon dioxide, other oxides, and moisture)	
MOTHER EARTH D (Dust) (100%)	Ants, Cockroaches, Earwigs, Fleas, and Spiders
dinotefuran	
ALPINE PRESSURIZED INSECTICIDE (Aerosol) (0.5%)	Ants, Fire Ants, Bed Bugs, Booklice, Boxelder Bugs, Clover Mites, Crickets, Earwigs, German Cockroaches, Millipedes, Pillbugs, Silverfish, Sowbugs, and Spiders (except Black Widows)
dinotefuran, N-methyl-N'-nitro-N-[(tetrahydro-3-furanyl)methyl]guanidine	
ALPINE ANT AND TERMITE FOAM (Foam) (0.025%)	Termites (including Subterranean and Drywood), Ants, (including Argentine, Foraging, Carpenter, Ghost, Pharaoh, White Footed; excluding Fire and Harvester), and Boxelder Bugs
dinotefuran, N-methyl-N'-nitro-N-[(tetrahydro-3-furanyl)methyl]guanidine and diatomaceous earth (including silicon dioxide, other oxides and moisture)	
ALPINE DUST INSECTICIDE (Dust) (0.25%, 95.00%)	Ants (excluding Pharaoh), Bed Bugs, Bees, Boxelder Bugs, Carpet Beetles, Centipedes, Cockroaches, Crickets, Fleas, Hornets, Millipedes, Pillbugs, Silverfish, Southern Fire Ants, Sowbugs, Spiders (excluding Black Widow and Brown Recluse), Wasps, and Yellowjackets

Insecticide and Formulation (%)	Kills
fipronil	
TERMIDOR 80 WG TERMITICIDE/INSECTICIDE (Liquid) (80%)	Ants (including Acrobat, Argentine, Big-Headed, Carpenter, Crazy, Odorous, Pavement, Pharaoh, and Thief), Boxelder Bugs, Centipedes, Cockroaches (Australian, Oriental, and Smokey Brown), Earwigs, Flies, Millipedes, Pillbugs, Silverfish, Spiders (including Black Widow, Brown Recluse, Cellar, and Hobo), Ticks (including Brown and Dog), Wasps, and Yellowjackets
TERMIDOR NY TERMITICIDE/INSECTICIDE (Liquid) (9.1%)	Ants (including Acrobat, Argentine, Big-Headed, Carpenter, Crazy, Odorous, Pavement, Pharaoh, and Thief), Boxelder Bugs, Centipedes, Cockroaches (Australian, Oriental, and Smokey Brown), Earwigs, Flies, Millipedes, Pillbugs, Silverfish, Spiders (including Black Widow, Brown Recluse, Cellar, and Hobo), Ticks (including Brown and Dog), Wasps, and Yellowjackets
TERMIDOR SC TERMITICIDE/INSECTICIDE (Liquid) (9.1%)	Ants (including Acrobat, Argentine, Big-Headed, Carpenter, Crazy, Odorous, Pavement, Pharaoh, and Thief), Boxelder Bugs, Centipedes, Cockroaches (Australian, Oriental, and Smokey Brown), Earwigs, Flies, Millipedes, Pillbugs, Silverfish, Spiders (including Black Widow, Brown Recluse, Cellar, and Hobo), Ticks (including Brown and Dog), Wasps, and Yellowjackets
geraniol and lemongrass oil	
MOTHER EARTH EXEMPT (Aerosol) (6.0%, 0.5%)	Ants, Bed Bugs, Carpet Beetles, Centipedes, Clover Mites, Cockroaches, Crickets, Earwigs, Millipedes, Pillbugs, Scorpions, Silverfish, Spiders, Termites, Ticks, Flies, Gnats, Mosquitoes, Yellowjackets, and Wasps
lambda-cyhalothrin	
221L (Aerosol) (0.05%)	Ants, Bed Bugs, Booklice, Boxelder Bugs, Centipedes, Clover Mites, Cockroaches, Crickets, Earwigs, Fire Ants, Millipedes, Scorpions, Silverfish, Sowbugs, Spiders, Above Ground Termites, and Ticks
CYHALOCAP CS (Liquid) (9.7%)	Ants, Bed Bugs, Bees, Boxelder Bugs, Carpet Beetles, Centipedes, Clover Mites, Cockroaches, Crickets, Earwigs, Fire Ants, Fleas, Flies, Hornets, Millipedes, Mosquitoes, Scorpions, Silverfish, Sowbugs, Spiders, Springtails, Termites, Ticks, Yellowjackets, and Wasps
orthoboric acid	
DRAX LIQUIDATOR ANT BAIT (Liquid) (1.0%)	Ants (including Argentine, Ghost, Pharaoh, Carpenter, Pavement, and Odorous House)
BORID (Aerosol) (99.0%)	Ants (excluding Carpenter), Cockroaches, Drywood Termites, and Silverfish
CB BORID TURBO INSECTICIDE WITH BORIC ACID (Aerosol) (20.0%)	Ants, Booklice, Boxelder Bugs, Centipedes, Clover Mites, Cockroaches, Crickets, Earwigs, Millipedes, Silverfish, Sowbugs, and Termites (Subterranean and Formosan)
permethrin	
PERMACAP CS (Liquid) (23.0%)	Ants (including Foraging, Carpenter, Fire, and Harvester and excluding Pharaoh), Bees, Boxelder Bugs, Centipedes, Clover Mites, Cockroaches, Crickets, Earwigs, Fleas, Flies, Millipedes, Mosquitoes, Pillbugs, Scorpions, Silverfish, Sowbugs, Spiders (excluding Blacks Widows and Brown Recluses), Springtails, and Ticks
phenothrin	
CRACK AND CREVICE III (Aerosol) (1.0%)	Ants, Bed Bugs, Bees, Booklice, Carpet Beetles, Centipedes, Clover Mites, Cockroaches, Crickets, Fleas, Flies, Gnats, Lice, Millipedes, Mosquitoes, Mud Daubers, Silverfish, Sowbugs, Spiders, Ticks, and Wasps

Insecticide and Formulation (%)	Kills
propoxur	
250 PROPOXUR (Aerosol) (1.0%)	Ants, Booklice, Boxelder Bugs, Centipedes, Cockroaches, Crickets, Earwigs, Millipedes, Silverfish, Sowbugs, Spiders, and Termites
2% PROPOXUR BAIT (Bait) (2.0%)	Cockroaches, Crickets, and Ants
CB INVADER HPX-15 RESIDUAL WITH PROPOXUR (Aerosol) (1.0%)	Ants, Booklice, Boxelder Bugs, Centipedes, Clover Mites, Cockroaches, Crickets, Earwigs, Millipedes, Silverfish, Sowbugs, Spiders, Termites (Subterranean, Formosan, And Drywood), and Ticks
pyrethrins	
MOTHER EARTH 2% PY (Aerosol) (2.0%)	Ants (except Fire, Harvester, and Pharaoh), Bed Bugs, Booklice, Carpet Beetles, Centipedes, Clover Mites, Cockroaches, Crickets, Earwigs, Fleas, Flies, Gnats, Millipedes, Mosquitoes, Mud Daubers, Silverfish, Sowbugs, Spiders (except Black Widow and Brown Recluse), Ticks, and Wasps
pyrethrins, cyfluthrin, and piperonyl butoxide	
PRO-CONTROL PLUS (Aerosol) (0.50%, 0.10%, 1.00%)	Ants, Carpet Beetles, Earwigs, Fleas, Gnats, Hornets, Mosquitoes, Pillbugs, Cockroaches, Silverfish, Spiders, Ticks, Wasps, and Yellowjackets
pyrethrins and piperonyl butoxide	
CLEAR ZONE 1 (Aerosol) (0.5%, 4.0%)	Ants, Bed Bugs, Booklice, Carpet Beetles, Centipedes, Clover Mites, Cockroaches, Crickets, Earwigs, Fleas, Flies, Gnats, Millipedes, Mosquitoes, Mud Daubers, Silverfish, Sowbugs, Spiders, Ticks, and Wasps
P.I. (Aerosol) (0.5%, 4.0%)	Ants, Bed Bugs, Booklice, Carpet Beetles, Centipedes, Clover Mites, Cockroaches, Crickets, Earwigs, Fleas, Flies, Gnats, Millipedes, Mosquitoes, Mud Daubers, Silverfish, Sowbugs, Spiders, Ticks, and Wasps
MIRCO CARE 3% CS (Liquid)(3.0%, 15.0%)	Ants (excluding Harvester), Bees, Boxelder Bugs, Carpet Beetles, Centipedes, Clover Mites Cockroaches, Crickets, Fleas, Flies, Gnats, Millipedes, Mosquitoes, Scorpions, Silverfish, Sowbugs, Spiders, Ticks, Wasps, and Yellowjackets
ULD BP-50 (Bulk) (0.5%, 5.0%)	Ants, Cockroaches, Flies, Mosquitoes, and Spiders
PYRETH-IT FORMULA 2 (Bulk) (6.00%, 60.00%)	Ants, Clover Mites, Cockroaches, Crickets, Earwigs, Fire Ants, Flies, Millipedes, Mosquitoes, Silverfish, Sowbugs, Spiders, Wasps, and Yellowjackets
CB-80 EXTRA FLUSHING AND CONTACT INSECTICIDE (Aerosol) (0.5%, 4.00%)	Ants, Bedbugs, Carpet Beetles, Cockroaches, Crickets, Flies, Gnats, Mosquitoes, Silverfish, Spiders, and Wasps
pyrethrins, piperonyl butoxide, and amorphous silica dioxide	
TRI-DIE PRESSURIZED (Dust) (0.6%, 4.8%, 8.0%)	Ants, Bed Bugs, Booklice, Boxelder Bugs, Centipedes, Clover Mites, Cockroaches, Crickets, Earwigs, Fleas, Lice, Millipedes, Pillbugs, Scorpions, Silverfish, Sowbugs, Spiders, Termites, and Ticks
TRI-DIE BULK (Dust) (1.0%, 10.0%, 40.0%)	Ants, Bed Bugs, Bees, Booklice, Boxelder Bug, Carpet Beetles, Centipedes, Clover Mites, Crickets, Cockroaches, Drywood Termites, Earwigs, Fleas, Lice, Millipedes, Pillbugs, Scorpions, Silverfish, Sowbugs, Spiders, Ticks, and Wasps

Insecticide and Formulation (%)	Kills
pyrethrins, piperonyl butoxide, and n-octyl bichloheptene dicarboximide	
565 PLUS XLO (Aerosol) (0.5%, 1.0%, 1.0%)	Ants, Bed Bugs, Booklice, Carpet Beetles, Centipedes, Clover Mites, Cockroaches, Crickets, Fleas, Flies, Gnats, Millipedes, Mosquitoes, Mud Daubers, Silverfish, Sowbugs, Spiders, Ticks, and Wasps
ULD BP-100 (Bulk) (1.00%, 2.00 %, 2.94%)	Ants, Boxelder Bugs, Cockroaches, Crickets, Earwigs, Gnats, Mosquitoes, Spiders, and Wasps
ULD BP-300 (Bulk) (3.0%, 6.0%, 10.0%)	Ants, Boxelder Bugs, Cockroaches, Crickets, Earwigs, Gnats, Mosquitoes, Spiders, and Wasps
ULD HYDROPY-300 (Bulk) (3.0%, 6.0%, 10.0%)	Ants, Boxelder Bugs, Cockroaches, Crickets, Earwigs, Gnats, Mosquitoes, Spiders, and Wasps
PRO-CONTROL (Aerosol) (0.535%, 1.050%, 1.710%)	Ants Crickets, Earwigs, Fleas, Flies, Gnats, Hornets, Mosquitoes, Cockroaches, Silverfish, Spiders, Ticks, Wasps, and Yellowjackets
MIRCO CARE (Aerosol) (0.300%, 2.200%, 0.336%)	Ants, Bed Bugs, Bees, Centipedes, Chiggers, Cockroaches, Crickets, Fleas, Flies, Gnats, Lice and Eggs (on clothing, bedding, and furniture), Mosquitoes, Pillbugs, Silverfish, Sowbugs, Spiders, Ticks, Wasps, and Yellowjackets
CB-40 INSECTICIDE (Aerosol) (0.5%, 1.0%, 1.0%)	Ants, Flies, Mosquitoes, Gnats, Wasps, Hornets, Mud Daubers, Cockroaches, Fleas, Crickets, Spiders, Silverfish, Sowbugs, Booklice Carpet Beetles, Centipedes, and Clover Mites
CB-123 EXTRA FLUSHING AND CONTACT INSECTICIDE (Aerosol) (1.0%, 2.0%, 3.0%)	Ants, Carpet Beetles, Centipedes, Cockroaches, Crickets, Flies, Gnats, Millipedes, Mosquitoes, Silverfish, Sowbugs, Spiders, and Wasps

Households: Insect Control prepared by Xing Ping Hu, *Extension Specialist*, Associate Professor, Entomology and Plant Pathology, Auburn University.

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

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.

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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