

2005 University of Arkansas Cooperative Extension Service Inventory Consumer: Insecticides

Common Chemical Name

| Trade Name(s) | Manufacturer/brand | formulation | % active ingredient |
|---------------|--------------------|-------------|---------------------|
|---------------|--------------------|-------------|---------------------|

| | | | |
|--|-----------------|--|---------|
| acephate | | Classification: organophosphate | |
| Acephate-Systemic Turf & Ornamental Spray | Hi-Yield | liquid, conc. | 75.00% |
| Orthene Systemic Insect Killer | Ortho-Solaris | liquid, conc. | 8.00% |
| Orthene Fire Ant Killer | Ortho | powder | 50.00% |
| Turf & Tree & Ornamental Spray | Valant | wp | 75.00% |
| azadiractin (<i>Azadirachta indica</i> - neem tree) | | Classification: botanical | |
| Rose Defense™ | Green Light | liquid, conc. | 90.00% |
| Bacillus thuringiensis | | Classification: microbial | |
| Caterpillar Killer | Safer | liquid, conc. | 1.76% |
| Dipel dust | Ferti-Lome | powder | 0.60% |
| Dipel dust | Hi-Yield | powder | 0.05% |
| Thuricide | American Brands | liquid, conc. | 0.80% |
| Thuricide | Bonide | liquid, conc. | 0.80% |
| bifenthrin | | Classification: pyrethroid | |
| Basic Solutions: Lawn & Garden Insect Killer | Ortho | granular | 0.10% |
| Fire Ant Killer Broadcast Granules | Ortho | granular | 0.20% |
| Home Defense Indoor & Outdoor Insect Killer | Ortho | RTU | 0.05% |
| Home Pest Insect Control | KGRO | RTU | 0.03% |
| Houseplant & Garden Insect Killer | Ortho | RTU | 0.01% |
| Lawn Insect Killer Granules | Ortho | granular | 0.10% |
| MAX Insect Killer for Lawns | Ortho | granular | 0.12% |
| Rose and Flower | Ortho | RTU | 0.0120% |
| Termite & Carpenter Ant Killer Ortho-Klor | Ortho | conc | 2.40% |

| carbaryl - aphids, scales, beetles | | Classification: carbamate | |
|---------------------------------------|------------------------|---|--------|
| 5% Carbaryl Garden & Pet Dust | Hi-Yeild | dust | 5.00% |
| Bug B Gon | Ortho | granular | 6.30% |
| Liquid Carbaryl Garden Spray | Ferti-Lome | liquid, conc. | 23.70% |
| Sevin | Garden Tech | liquid, conc. | 22.50% |
| Sevin | Garden Tech | granular | 2.00% |
| Sevin bug Killer | Garden Tech | RTU | 0.13% |
| Sevin-10 | Garden Tech | dust | 10.00% |
| Sevin-5 Bug Killer | Garden Tech | dust | 5.00% |
| cypermethrin | | | |
| Carbaryl Garden Spray | Ferti-Lome | liquid, conc. | 23.70% |
| Martin's VIPER | Control Solutions Inc. | liquid, conc. | 25.30% |
| cyfluthrin | | Classification: pyrethroid | |
| Lawn & Garden Multi Insect Killer | Bayer | granular | 0.10% |
| Lawn & Garden Multi Insect Killer | Bayer | liquid conc. | 0.75% |
| Power Force | Bayer | RTU | 0.75% |
| diatomaceous earth | | | |
| Natural Guard Crawling Insect Control | VPG | granular | 90.00% |
| Natural Guard | VPG | granular | 85.00% |
| deltamethrin | | | |
| Fire Ant Destroyer | Eagles-7 | granular | 0.50% |
| Fire Ant Killer | Ortho | granular | 0.10% |
| Terro Fire Ant Killer | Senorat | dust | 0.05% |
| Turf Ranger | Hi-Yield | granular | 0.10% |
| dicofol | | Classification: chlorinated hydrocarbon | |
| Kelthane | Hi-Yield | liquid, conc. | 42.00% |

| dimethoate | | Classification: organophosphate | | |
|------------|----------|---------------------------------|--------|--|
| Cygon | Bonide | liquid, conc. | 23.40% | |
| Cygon 2E | Hi-Yield | liquid, conc. | 23.40% | |

| dormant oil | | | |
|-------------------------------|----------|---------------|--------|
| Dormant & Summer Oil Spray II | Dexol | liquid, conc. | 99.00% |
| Dormant Spray | Hi-Yield | liquid, conc. | 97.00% |

| disulfoton | | Classification: organophosphate | | |
|---|------------|---------------------------------|-------|--|
| 2-in-1 Systemic Rose & Flower | Bayer | | | |
| Di-Syston® Systemic Granules | Hi-Yield | granular | 2.00% | |
| Systemic Insecticide for Roses, Shrubs, Flowers and Tomatos | Ferti-Lome | granular | 2.00% | |
| Systemic Insecticide for Roses, Shrubs, Trees | Ferti-Lome | granular | 2.00% | |

| endosulfan | | Classification: hydrocarbon | | |
|------------------------------------|----------|-----------------------------|-------|--|
| Thiodan® Garden & Ornamental Spray | Hi-Yield | liquid, conc. | 9.70% | |

| esfenvalerate | | | |
|------------------------------------|-------|--------------|---------|
| Bug B Gon | Ortho | RTU | 0.0033% |
| MAX Lawn and Garden Insect Killer | Ortho | Hose-on | 0.43% |
| MAX Lawn and Garden Insect Killer | Ortho | liquid conc. | 0.43% |
| Multi Purpose Garden Insect Killer | KGRO | liquid conc. | 0.43% |

| fenoxycarb | | Classification: carbamate | | |
|-----------------------------------|----------|---------------------------|-------|--|
| Fire Ant Bait | Hi-Yield | granular | 1.00% | |
| Fire Ant Control containing Logic | Hi-Yield | granular | 1.00% | |

| fipronil | | | |
|-------------------------|-------------------|----------|---------|
| Garden Tech Over 'n Out | Garden Tech Sevin | granular | 0.0103% |

| halofenozide | | | |
|--------------|-------------|----------|-------|
| Grub Stop | Spectracide | granular | 1.50% |
| Kill-A-Grub | Hi-Yield | granular | 1.33% |

| hydramethylnon | | | | |
|----------------------------|---|-------------|-----------------|-----------------|
| | Fire Ant Bait | AMDRO | granular | 0.73% |
| | Fire Ant Bait & Yard Treatment | AMDRO | granular | 0.036% |
| imidacloprid | | | | |
| | | | Classification: | chloronicotinyl |
| | Advanced Lawn Season-long Grub Control | Bayer | hose-on | 1.47% |
| | Tree & Shrub Insect Control | Bayer | liquid, conc | 1.47% |
| | Grub-Ex | Scotts | granular | 0.20% |
| iron phosphate | | | | |
| | Sluggo | Monterey | granular | 1.00% |
| <i>lambda</i> -cyhalothrin | | | | |
| | | | Classification: | pyrethroid |
| | Fire Ant Killer | Spectracide | granular | 0.04% |
| | Triazicide Soil & Turf Insect Killer | Spectracide | Hose-on | 0.50% |
| | Triazicide Soil & Turf Insect Killer | Spectracide | granular | 0.50% |
| | Triazicide Soil & Turf Insect Killer | Spectracide | granular | 0.04% |
| malathion | | | | |
| | | | Classification: | organophosphate |
| | 50% Malathion conc. | Martin's | liquid, conc. | 50.00% |
| | 5.0% Malathion Dust | Hi-Yield | dust | 5.00% |
| | Malacide Lawn & Garden Insect Control | Ferti-Lome | liquid, conc. | 50.00% |
| | Malathion 55% Spray | Hi-Yield | liquid, conc. | 55.00% |
| | Malathion Insect Spray | Hi-Hield | liquid, conc. | 28.00% |
| | Malathion Insect Spray Killer Spray Concentrate | Real Kill | RTS | 50.00% |
| | Malathion Plus Insect Spray | Ortho | liquid, conc. | 50.00% |
| | Mosquito B Gone | Ortho | liquid, conc. | 50.00% |
| metaldehyde | | | | |
| | | | Classification: | metacetaldehyde |
| | Bug-Geta® Snail & Slug Pellets | Ortho | granular | 3.25% |
| | Eliminate | Ferti-Lome | RTU | 4.00% |
| | Slug-N-Snail | Martin's | liquid, conc. | 12.50% |
| | Snail & Slug Killer Pellets | Hi-Yield | pellets | 2.75% |
| | Snail & Slug Killer Pellets | Ferti-Lome | pellets | 2.75% |
| | Snail & Slug Pellets | KGRO | pellets | 2.00% |

| methoprene | | | | |
|------------|---|-------------------|-----------------|------------|
| | Extinguish Professional Fire Ant Bait | Wellmark | pellets | 0.50% |
| oil | | | | |
| | Dormant Spray & Summer Oil Spray | Ferti-Lome | liquid, conc. | 99.00% |
| | Scalecide® Dormant & Foliar Oil Spray | Ferti-Lome | liquid, conc. | 98.80% |
| | Sun-spray Ultra Fine Oil | Security Products | liquid, conc. | 98.80% |
| | Volck Oil Spray | Ortho | liquid, conc. | 97.00% |
| | Lawn, Pet, & Insect/Oil-Cedar Oil | Natural Guard | liquid, conc. | 16.00% |
| permethrin | | | Classification: | pyrethroid |
| | 38 Plus Turf and Ornamental | Hi-Yield | liquid, conc. | 38.00% |
| | Basic Solutions Lawn & Garden Insect Killer | Ortho | RTS | 2.50% |
| | Basic Solutions Lawn & Garden Insect Killer | Ortho | liquid, conc. | 2.50% |
| | Bug-B-Gon | Ortho | dust | 0.25% |
| | Eight Garden Dust | Bonide | dust | 0.13% |
| | Eight™ Insect Control | Bonide | RTU | 0.02% |
| | Eight™ Insect Control | Bonide | liquid, conc. | 2.50% |
| | Fire Ant Killer | Enforcer | granular | 0.25% |
| | Fire Ant Killer | KGRO | granular | 0.25% |
| | Garden & Home | Bonide | RTU | 0.02% |
| | Garden, Pet & Livestock Dust | Hi-Yield | dust | 0.25% |
| | Indoor/Outdoor Multi-Purpose Insect Spray | Ferti-Lome | RTU | 0.25% |
| | Kill A Bug Lawn Granules | Hi Yield | granular | 0.50% |
| | MultiPurpose Garden & Pet Dust | KGRO | dust | 0.25% |
| | Multi-Purpose Garden Insect Killer | KGRO | RTU | 0.25% |
| | Multi-Purpose Garden Insect Killer | KGRO | liquid, conc. | 2.50% |
| | Permethrin 10% | Martin's | liquid, conc. | 10.00% |
| | Sniper | ProTech | dust | 0.25% |
| | Sniper | ProTech | liquid, conc. | 2.50% |
| | Vegetable & Garden Insect Control | InterCept | liquid, conc. | 13.30% |
| | Vegetable Fruit & Flower (8 Insect Control) | Bonide | liquid, conc. | 2.50% |

| pyrethrin | | Classification: pyrethroid | | |
|------------------------------------|-------------|----------------------------|--------------------|--|
| Houseplant Insect Killer | Safer | RTU | 0.012% + 1.015% pb | |
| Houseplant and Garden | Safer | RTU | .02 % + .2 % pb | |
| Quick Kill Home Garden Spray | Ferti-Lome | RTU | 0.02% + 0.2% pb | |
| Quik-kill Home, Garden & Pet Spray | Ferti-Lome® | RTU | 0.02% + 0.2% pb | |
| Red Spider & Mite Spray | Ferti-Lome | RTU | 0.02% + 0.2% pb | |
| Rose and Flower Insect Killer | KGRO | RTU | 0.02% | |
| Tomato and Vegetable | Safer | RTU | .012 % + 1.015% pb | |
| Tomato Vegetable Insect Spray | Spectracide | RTU | 0.02% | |

| resmethrin | | Classification: pyrethroid | | |
|----------------------------|------------|----------------------------|--------------------|--|
| Whitefly & Mealybug killer | Ferti-Lome | RTU | 0.216% + 0.05% oil | |

| soaps | | | |
|--------------------------------|-------------|--------------|--------|
| Insecticidal soap | Safer | liquid, conc | 49.52% |
| Insecticidal soap | Safer | RTU | 2.00% |
| Insecticidal soap | Garden Safe | liquid, conc | 4.70% |
| Tomato-Vegetable Insect Killer | Safer | RTU | 0.01% |

| spinosad | | | |
|---|------------|---------------|-------|
| Borer, Bagworm, Leafminer & Tent Caterpillar Killer | Ferti-lome | liquid, conc. | 0.50% |
| Come & Get It Fire Ant Killer | Ferti-lome | granular | 0.02% |

Insecticide plus Fertilizer

| | | | |
|---|----------------|----------|------------------|
| 2-In-1 Rose & Flower Care with 12-18-6 | Bayer | granular | 1% disulfoton |
| Azalea Evergreen Food | Ferti-Lome | granular | 1% disulfoton |
| Di-Syston® Systemic Granules | Hi-Yield | granular | 2% disulfoton |
| Max Guard (with Fertilizer) | Scotts | granular | .14% bifenthrin |
| Rose & Flower Care | Advanced Bayer | granular | 1% disulfoton |
| Rose Food Containing Systemic Insecticide | Ferti-Lome | granular | 0.99% disulfoton |
| Systemic Insecticide for Roses, Shrubs, Trees | Ferti-Lome | granular | 2% disulfoton |
| Systemic Rose & Flower Advanced Care | Bayer | granular | 1% disulfoton |
| Turf Builder with Summer Guard | Scotts | granular | .086% bifenthrin |

Combination Insecticides

| | | | |
|-----------------------------------|-------------|---------------|--|
| Bagworm & Tent Caterpillar Killer | Ferti-lome | liquid conc. | methoxychlor technical 9% + malathion 7% |
| Fruit & Vegetable Insect Spray | Garden Safe | RTU | .01% pyrethrin + 1.0% oil |
| Home & Patio Insect Control | | RTU | cypermethrin 0.05% + esbiothrin 0.10% |
| House Plant & Garden Insect Spray | Scultz | RTU | 0.01% pyrethrins + 1.0% Canola oil |
| Isotex Insect Killer | Ortho | liquid, conc. | 8.0% acephate + 0.9% fenbutatin |
| Isotox® Insect Killer Formula IV | Ortho | liquid, conc | 8% acephate + 0.5% fenbutatin-oxide |
| Red Spider Spray | Ferti-lome | | 0.02% pyrethrins + .2% p.b. |
| Rose & Flower Insect Killer | Bayer | RTU | 0.003% cyfluthrin + 0.012% imidacloprid |
| Rose and Flower Insect Killer | Bayer | liquid, conc. | .72% cyfluthrin + .72 % imidacloprid |
| Rose and Flower Insect Killer | Bayer | liquid, conc. | .36 % cyfluthrin + .36 % imidacloprid |
| Rose & Flower Insect Spray | Garden Safe | RTU | .01% pyrethrin + 1.0% oil |

Insecticide Plus Fungicide

| | | | |
|---|-------------|---------------|--|
| All-in-One Rose & Flower Care | Bayer | liquid, conc. | .80% tebuconazole + .15% imidacloprid |
| Azalea, Camellia, Crapemyrtle Spray | Ferti-Lome | liquid, conc. | 12.5% PCNB + 7.5% malathion |
| Fruit Tree Spray | Bonide | liquid, conc. | 11.76% captan+ 6.0% malathion+ 0.30% carbaryl |
| Fungicide 3 | Garden Safe | RTU spray | neem oil clarified 9.% |
| Fungicide 3 | Garden Safe | liquid, conc. | 70% azadiractin |
| Garden Insect & Disease Control | Ortho | liquid, conc. | 4% Acephate + 3.25% Triforine + .75% Fenbutatin |
| Garden Safe Fungicide 3 - Fung.,Insect.Mite. | Shultz | RTU spray | clarified hydrophobic extract of neem oil |
| Houseplant & Garden Insect Spray | Garden Safe | RTU | .01% pyrethrin + 1.0% oil |
| ImmunoxPlus Insect & Disease | Spectracide | liquid,conc. | 0.78% myclobutanil + 1.25% permethrin |
| Immunox Plus Insect & Disease | Ortho | RTU | 0.012% myclobutanil + 0.020% pyrethrin |
| Liquid Fruit Tree Spray | Ferti-Lome | liquid, conc. | 9.78% captan + 7.50% malathion |
| Orthenex Insect & Disease Control | Ortho | liquid, conc. | 4.0% acephate + 3.25% triforine+ 0.75% fenbutatin |
| Orthenex Insect & Disease Control | Ortho | RTU | 0.25% acephate + 0.10% resmethin + 0.10% triforine |
| Rose, Flower & Vegetable Dust | Ferti-lome | Dust | sulfer 10% + rotenone 1.0% + ocr 2.0% |
| Rose Pride® Systemic Triple Action + Fertilizer | Ortho | RTU spray | 0.25% acephate + 0.1% resmethrin + 0.1% triforine |
| Rose Pride® Orthenex® Insect & Disease | Ortho | liquid, conc. | 4% acephate + 3.25 triforine + 0.75 hexakis |
| Rose Pride Insect, Disease & Mite Control | Ortho | aerosol | 0.25% acephate + 0.10% resmethin + 0.10% triforine |
| Rose Spray Containing Diazinon & Daconil | Ferti-Lome | liquid, conc. | 4.2% diazinon + 6.0% chlorothalonil |
| Triple Action Insecticide-miticide-fungicide | Ferti-Lome | liquid,conc. | 4.2% diazinon + 6.0% chlorothalonil |
| Triple Action Insecticide-miticide-fungicide | Ferti-Lome | liquid,conc. | 70% azadiractin |

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