

## 2005 University of Arkansas Cooperative Extension Service Inventory Consumer: Insecticides

### Common Chemical Name

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

|  |                 |  |         |
|--|-----------------|--|---------|
| <b>acephate</b>  |                 | <b>Classification:</b> 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%  |
| <b>azadiractin (<i>Azadirachta indica</i> - neem tree)</b> |                 | <b>Classification:</b> botanical       |         |
| Rose Defense™  | Green Light     | liquid, conc.                          | 90.00%  |
| <b>Bacillus thuringiensis</b>                              |                 | <b>Classification:</b> 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%   |
| <b>bifenthrin</b>  |                 | <b>Classification:</b> 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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