

## Least-toxic Products: Sorted Active Ingredient

\* products may only be used after approval from the City of Austin IPM Coordinator; call 974-2550 or email John Gleason.

\*\* generic versions of products with glyphosate may be used without permissionL

Product	Active Ingredient
Ortho® Ecosense Brand Organic Weed & Grass Killer	2-Phenethyl Propionate      Eugenol 2.5% Sodium Laurel Sulfate .05%
Green Light® Organic Spot Weeder	Phenethyl Propionate 2.5%    Eugenol 2.5%
*Maestro Gro Vinegar	Acetic Acid/ Vinegar 20%
*Bonide® Grub Beater	Azadirachtin 0.09%
*Safer® BioNEEM	Azadirachtin 0.09%
Serenade® Disease Control	<i>Bacillus subtilis</i> 1.34%
Serenade® Lawn Disease Control	<i>Bacillus subtilis</i> 1.34%
Safer® Caterpillar Killer	<i>Bacillus thuringiensis, var. Kurstald (DIPPEL)</i> 1.76%
Green Light® Dipel Dust	<i>Bacillus thuringiensis</i> 0.45%
Green Light® BT Worm Killer	<i>Bacillus thuringiensis</i>
Summit® Mosquito Dunks	<i>Bacillus thuringiensis israeliensis</i> 10.31%
American Brand® Thuricide Concentrate	<i>Bacillus thuringiensis supspecies kurstaki</i> 1.5%
Lily Miller Vegol Year Round Pesticidal Oil	Canola Oil 96%
Bonide® Hot Pepper Wax Ready-to-Use	Capsaicin and Related Capsaicinoids 0.184%
Green Light® Yard Safe CedarCide® Repellent Granules	Cedar Oil 2%
Agralawn Crabgrass Control	Cinnamon Bark .95%
Nature's Guide Mosquito Repellent	Citronella Oil 5%
*Green Light® Neem Concentrate	Extract of Neem Oil 70%
Hi Yield® Bordeaux	Copper 12.5%
Ortho® Ecosense brand	Copper Octanoate .08%
Concern® Copper Soap Fungicide®	Copper Octanoate 0.08%
Bonide® Liquid Copper	Copper Octanoate 10%
Concern® Weed Prevention Plus™ 8-2-4	Corn Gluten
Ecosmart Organic Insect Killer	Eugenol .5% Thyme Oil .5% Sesame Oil .5% 2 Phenyl Priopionate 3.5% Sodium Laurel Sulfate 2%
*Garden Safe® Fungicide 3-in-1 Ready-to-Use	Extract of Neem Oil 0.9%
Garlic GP® Ornamental Fungicide	Garlic Juice 98.2%, Potassium Sorbate 0.30%, Citric Acid 1.5%
Mosquito Barrier	Garlic Juice 99.3%      Citric Acid
Bonide® Mosquito Beater Repellent Granules	Geranium Oil, Cedar Oil, Lemongrass Oil, Garlic Oil and Citronella Oils
**Eliminator® Weed & Grass Killer	Glyphosate 2%
**Eraser	Glyphosate 41%
Ortho® Ecosense Brand Slug and Snail Killer	Iron phosphate 1%
Bayer Advanced™ Snail & Slug Killer Bait	Iron phosphate 1%
*Monterey Sluggo® Iron Plus	Iron Phosphate 1% Spinosad .07%
Monterey E-Rase™	Jojoba Oil 97.50%
Green Light® Snail and Bug Bait	Orthoboric Acid 5%
Monterey Hasta la Vista Ant Granular Bait	Orthoboric Acid 5%
*Bonide® All Seasons® Horticyultural Spray Oil	Petroleum Oil 98%
*Ortho® Volck® Oil Spray	Petroleum Oil 97%
Bioganic Spot Weeder Ready-to-Use	Phenyl Propionate 2.5%      Eugenol 2.5%

## Alternative Products: Sorted Active Ingredient

Garden-Ville® Potassium Bicarbonate	Potassium Bicarbonate
Bonide® Remedy	Potassium Bicarbonate 85%
Safer® 3 in 1 Spray	Potassium Salt of Fatty Acid .75% Sulfur .40%
Concern® Insect Killing Soap	Potassium Salts of Fatty Acid 2%
Safer® Insecticidal Soap Multi-purpose Insect Killer w/Seaweed	Potassium Salt of Fatty Acid Soap 2%
*Monterey Take Down Garden Spray	Pyrethrin .018% Canola Oil 1%
*Ortho® Ecosense Brand Outdoor Insect Killer	Pyrethrin .018% Canola Oil 1%
*Concern® Multi-Purpose Insect Killer	Pyrethrins 0.24% Potassium salt of fatty acid 20%
Monterey All Natural Mite & Insect Control RTU	Rosemary Oil .04 Sesame Oil .04% Peppermint Oil .03% Thyme Oil .03% Cinnamon Oil .02% Malic Acid .02%
Monterey All Natural Disease Control RTU	Rosemary Oil .05 Cloves/Clove Oil .05% Peppermint Oil .04% Malic Acid .02%
Green Light® Organic Fungicide	Rosemary Oil .2%
Ecosmart Insect Repellent	Rosemary Oil .5 Cinnamon Leaf Oil .5 Lemongrass .5 Geranoil 1%
Organicide Organic Insecticide & Fungicide	Sesame Oil .10%
Natural Guard Diatomaceous Earth	Silicon Dioxide 85%
Eliminator® Liquid Edger	Sodium Cacodylate 0.53%, Cacodylic Acid 0.09%
Hi-Yield® Liquid Edger	Sodium Cacodylate 0.60 Cacodylic Acid 0.10%
St Gabriel laboratories Sharpshooter Insecticide	Sodium Laurel Sulfate
*Green Light® Lawn & Garden Spray w/Spinosad	Spinosad .5%
*Green Light® Fire Ant Control with Conserve®	Spinosad 0.015%
*Ortho® Ecosense Brand Fire Ant Bait Granules	Spinosad 0.015%
*Fertilome® Borer Bagworm, Leafminer & Tent Caterpillar Spray	Spinosad 0.5%
Actinovate® SP	<i>Streptomyces lydicus</i> 0.037%
Safer® Garden Fungicide	Sulfur 12%
Green Light® Home & Garden Insect Spray	Thyme Oil .33% Clove Oil .33% Sesame Oil .33%
*Nature's Wisdom Vinegar 20%	Vinegar 20%
*Nature's Wisdom Natural Weed Control	Water 96% Citric Acid & Acetic Acid 4%