

"Our Water, Our World" Promotion

Less-Toxic Product List

This product list is intended to help stores participating in the "Our Water, Our World" promotion to stock less-toxic products that are compatible with Integrated Pest Management (IPM). IPM encourages the use of non-toxic and less-toxic alternatives, and emphasizes pest prevention and management rather than attempting to eradicate pest populations with broad-spectrum chemical pesticides.

The product list is not exhaustive. Although water pollution prevention agencies sponsoring the program intend to update the list periodically, the trade names given for each product/formulation are intended as examples only. Different products with the same active ingredients are equally suitable.

The target pests named in the table are those listed on product labels. This means that the product is registered for use against that specific pest. Listing on the label is not a guarantee that the product will be effective against that pest under all circumstances, or that the product is the best choice for managing that pest.

The product list does not include all less-toxic product types or active ingredients, only those most commonly available to or used by Bay Area residents for healthy gardening and less-toxic pest control. Call the National Pesticide Telecommunications Network, 1-800-858-7378, for information on pesticides not on this list.

Product types and product names in **bold** type are mentioned on one of the Fact Sheets developed for the "Our Water, Our World" promotion.

Detailed information about IPM and less-toxic alternatives is available in the Fact Sheets and in the reference materials on the last page of this product list.

If you have questions about the program's choice of products, or if you would like to suggest other products to be included on the list, call Geoff Brosseau, (510) 622-2326.

Revised June 12, 2003

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Chemical Controls			
TARGET PEST(S)	PRODUCT TYPE	ACTIVE INGREDIENT(S)	EXAMPLES OF TRADE NAME(S); (Ace SKU #)
Algae	Algicidal soap	Potassium salts of fatty acids	Schultz Garden Safe Moss And Algae Killer
	Citric acid	Citric acid	Worry Free Moss and Algae
Anthracnose	Neem	Clarified hydrophobic extract of neem oil	Bonide Boneem Greenlight Fruit, Nut, & Vegetable Spray (SKU 7071988) Greenlight Neem Concentrate Greenlight Rose Defense (SKU 7062615 or 7071970) Greenlight Tomato & Vegetable Spray (SKU 7071996) Safer BioNeem Schultz Garden Safe Fungicide 3
Ants	Abamectin ant and cockroach baits	Abamectin	Advance Dual-Choice Bait Station (Ants) Advance Granular Bait (Ants) Avert Cockroach Bait Station (Roaches) Avert Formula 1 (a dryflow bait) (Roaches) Avert Formula 2 (a gel bait) (Roaches) Raid Max House & Yard Line Roach Bait Plus Egg Stoppers (abamectin and methoprene) (SKU 7014913)
	Arsenic ant baits	Arsenic trioxide	Grants Kills Ants (SKU 72197 & 7069057)
	Cedar oil	Cedar oil, Sodium lauryl sulfate	Victor Poison Free Ant and Roach Killer
	Citrus oil spray	d-Limonene	Concern Citrus Home Pest Control Orange Guard (SKU 746002)
	Citrus oil spray	d-Limonene, Peach aldehyde, Gamma lactone	Ortho Home Defense Indoor Insect
	Clove oil	Eugenol	Greenlight Bioganic Safety Brand Dust Insecticide

Clove oil	Clove oil, Thyme oil, Sesame oil	Greenlight Bioganic Home and Garden rtu Greenlight Bioganic Lawn and Garden hose end
Clove oil	Eugenol, Peppermint oil, 2-phenylethyl propionate, Potassium sorbate	Natura Bug Attak
Desiccating dust Insecticidal dust (Diatomaceous Earth)	Silicon dioxide from diatomaceous earth	Concern Diatomaceous Earth Crawling Insect Killer Grow More Diatomaceous Earth Pest Pistol (for applying DE) Safer Crawling Insect Killer (SKU 7012479) Safer D-3 Plus Flea Killer (SKU 7062532)
Essential oils	Thyme oil, Castor oil, Sodium laurel sulfate	Natura Ant Attak
Fipronil ant and cockroach baits	Fipronil	Combat Outdoor Ant Stakes (SKU 7035959) Combat Quick Kill Formula (ant bait stations) (SKU 7025190) Combat Quick Kill Formula (bait stations for large roaches) Combat Quick Kill Formula (bait stations for small roaches) (SKU 7025182) Combat Quick Kill Roach Control Gel
Garlic	Garlic	Garlic Barrier Insect Repellent
Insecticidal soap	Potassium salts of fatty acids	Concern Insect Killing Soap Monterey Quick rtu Safer Flower & Garden Insecticidal Soap Concentrate Safer Fruit and Vegetable Insect Killer (SKU 74808) Safer Insecticidal Soap Insect Killer (SKU 74805) Safer Multipurpose Insecticidal Soap concentrate (SKU 750025) Safer Multipurpose Insecticidal Soap Ready-to-Use & Concentrate Safer Rose and Flower Insect Killer (SKU 74807) Schultz Garden Safe Insecticidal Soap

	Insecticidal soap	Potassium salts of fatty acids, Pyrethrins	Safer Yard and Garden Insect Killer
	Insecticidal soap	Potassium salts of fatty acids, Pyrethrins	Safer Yard and Garden Insect Killer
	Mint oil	Mint oil, Sodium lauryl sulfate	Victor Poison Free Flying Insect Killer (SKU 7094733) Victor Poison Free Wasp & Hornet
	Sulfluramid ant baits	N-ethyl perflouroctanesulfonamide	Hot Shot Maxattrax Ant Bait (SKU 7065162) Raid Ant Bait Plus <i>NOT to be confused with Raid Ant Bait, which contains chlorpyrifos.</i>
Ants (indoors and outdoors)	Boron-based products Boric acid Borax Borate	Disodium octaborate tetrahydrate (borate) Orthoboric acid (boric acid) Sodium tetrahydrate decahydrate (borax) Sodium tetraborate	Drax Ant Kil Gel and Drax Ant Kil pf Drax Liquidator Ant Bait Station Enforcer Ant Baits (SKU 788034) Enforcer Roach Ridd (SKU 72439) Grants Kills Ants Liquid Ant Killer Bait PIC Ant Control Bait Trap PIC Boric Acid Roach Powder, and many other brands Roach Prufe (SKU 73862) Schultz Garden Safe Ant and Roach Killer Seabright Roach Free System Bait (sticky trap and boric acid bait station) Spectrum Hot Shot Roach Reward (SKU 7077340) Terro Ant Killer II (SKU 70677) Terro Ant Killer Liquid Baits Victor Liquid Ant Killing System (SKU 74116) Victor Roach Killing Powder (SKU 70588)
	Hydramethylnon ant and cockroach baits	Hydramethylnon	Combat Ant Control (bait stations) (SKU 74509) Combat Outdoor Ant Killing Granules Combat Roach Killing Gel (SKU 7062177) Combat Roach Prevention (large roach bait stations) Combat Roach Prevention (small roach bait stations) (SKU 71873) Grants Total Ant Killer Bait

Aphids	Clove oil	Clove oil, Thyme oil, Sesame oil	Greenlight Bioganic Home and Garden rtu Greenlight Bioganic Lawn and Garden hose end
	Clove oil	Eugenol, Peppermint oil, 2-phenylethyl propionate, Potassium sorbate	Natura Bug Attak
	Garlic	Garlic	Garlic Barrier Insect Repellent
	Hot pepper insect repellent	Capsaicin	Bonide Hot Pepper Wax Hot Pepper Wax Insect Repellent (SKU 746004 & 746006)
	Insecticidal soap	Potassium salts of fatty acids	Concern Insect Killing Soap Monterey Quick rtu Safer Flower & Garden Insecticidal Soap Concentrate Safer Fruit and Vegetable Insect Killer (SKU 74808) Safer Insecticidal Soap Insect Killer (SKU 74805) Safer Multipurpose Insecticidal Soap concentrate (SKU 750025) Safer Multipurpose Insecticidal Soap Ready-to-Use & Concentrate Safer Rose and Flower Insect Killer (SKU 74807) Schultz Garden Safe Insecticidal Soap
	Insecticidal soap	Potassium salts of fatty acids, Pyrethrins	Safer Yard and Garden Insect Killer
	Mint oil & thyme oil	Mint oil, Thyme oil	Pond Care Herbal Aphid Control
	Neem	Clarified hydrophobic extract of neem oil	Bonide Boneem Greenlight Fruit, Nut, & Vegetable Spray (SKU 7071988) Greenlight Neem Concentrate Greenlight Rose Defense (SKU 7062615 or 7071970) Greenlight Tomato & Vegetable Spray (SKU 7071996) Safer BioNeem Schultz Garden Safe Fungicide 3
	Spray oil (Horticultural Oil)	Paraffinic oil Petroleum oil Cottonseed oil, Soybean oil	Concern Pesticidal Oil (Canola Oil) Greenlight Horticultural Oil Spray (SKU 71313) Lily Miller Dormant Spray for Insects

		Canola oil	Lily Miller Superior Type Oil Spray Monterey Saf-T-Cide/Spreader-Sticker Ortho Volck Oil Spray (SKU 71560) Stoller Natur'l Oil (Cottonseed/Soybean Oil) Summit Year ROUND Oil Sunspray Ultrafine (SKU 746200)
	White pepper	White pepper, Garlic	Envirepel Bug Killer
Black spot	Neem	Clarified hydrophobic extract of neem oil	Bonide Boneem Greenlight Fruit, Nut, & Vegetable Spray (SKU 7071988) Greenlight Neem Concentrate Greenlight Rose Defense (SKU 7062615 or 7071970) Greenlight Tomato & Vegetable Spray (SKU 7071996) Safer BioNeem Schultz Garden Safe Fungicide 3
	Sulfur fungicide	Calcium polysulfides	Lily Miller Dormant Spray for Disease Lily Miller Polysul Summer Dormant Spray (concentrate)
	Sulfur fungicide	Sulfur	Grant's Sulfur Dust Greenlight Wettable Dusting Sulfer Safer Garden Fungicide (SKU 74806) Schultz Garden Safe Fungicide Sulfur 90W
Broad spectrum insecticide	Pyrethrins and oil	Pyrethrins, Canola oil	Monterey Take Down Schultz Garden Safe Fruit and Vegetable Schultz Garden Safe Houseplant and Garden Insect Schultz Garden Safe Rose and Flower Insect Spray
Caterpillars (small)	Insecticidal soap	Potassium salts of fatty acids	Concern Insect Killing Soap Monterey Quick rtu Safer Flower & Garden Insecticidal Soap Concentrate Safer Fruit and Vegetable Insect Killer (SKU 74808) Safer Insecticidal Soap Insect Killer (SKU 74805) Safer Multipurpose Insecticidal Soap

			concentrate (SKU 750025) Safer Multipurpose Insecticidal Soap Ready-to-Use & Concentrate Safer Rose and Flower Insect Killer (SKU 74807) Schultz Garden Safe Insecticidal Soap
	Insecticidal soap	Potassium salts of fatty acids, Pyrethrins	Safer Yard and Garden Insect Killer
Cockroaches	Abamectin ant and cockroach baits	Abamectin	Advance Dual-Choice Bait Station (Ants) Advance Granular Bait (Ants) Avert Cockroach Bait Station (Roaches) Avert Formula 1 (a dryflow bait) (Roaches) Avert Formula 2 (a gel bait) (Roaches) Raid Max House & Yard Line Roach Bait Plus Egg Stoppers (abamectin and methoprene) (SKU 7014913)
	Boron-based products Boric acid Borax Borate	Disodium octaborate tetrahydrate (borate) Orthoboric acid (boric acid) Sodium tetrahydrate decahydrate (borax) Sodium tetraborate	Drax Ant Kil Gel and Drax Ant Kil pf Drax Liquidator Ant Bait Station Enforcer Ant Baits (SKU 788034) Enforcer Roach Ridd (SKU 72439) Grants Kills Ants Liquid Ant Killer Bait PIC Ant Control Bait Trap PIC Boric Acid Roach Powder, and many other brands Roach Prufe (SKU 73862) Schultz Garden Safe Ant and Roach Killer Seabright Roach Free System Bait (sticky trap and boric acid bait station) Spectrum Hot Shot Roach Reward (SKU 7077340) Terro Ant Killer II (SKU 70677) Terro Ant Killer Liquid Baits Victor Liquid Ant Killing System (SKU 74116) Victor Roach Killing Powder (SKU 70588)
	Cedar oil	Cedar oil, Sodium lauryl sulfate	Victor Poison Free Ant and Roach Killer
	Citrus oil spray	d-Limonene	Concern Citrus Home Pest Control

		Orange Guard (SKU 746002)
Clove oil	Eugenol	Greenlight Bioganic Safety Brand Dust Insecticide
Clove oil	Clove oil, Thyme oil, Sesame oil	Greenlight Bioganic Home and Garden rtu Greenlight Bioganic Lawn and Garden hose end
Desiccating dust Insecticidal dust (Diatomaceous Earth)	Silicon dioxide from diatomaceous earth	Concern Diatomaceous Earth Crawling Insect Killer Grow More Diatomaceous Earth Pest Pistol (for applying DE) Safer Crawling Insect Killer (SKU 7012479) Safer D-3 Plus Flea Killer (SKU 7062532)
Fipronil ant and cockroach baits	Fipronil	Combat Outdoor Ant Stakes (SKU 7035959) Combat Quick Kill Formula (ant bait stations) (SKU 7025190) Combat Quick Kill Formula (bait stations for large roaches) Combat Quick Kill Formula (bait stations for small roaches) (SKU 7025182) Combat Quick Kill Roach Control Gel
Hydramethylnon ant and cockroach baits	Hydramethylnon	Combat Ant Control (bait stations) (SKU 74509) Combat Outdoor Ant Killing Granules Combat Roach Killing Gel (SKU 7062177) Combat Roach Prevention (large roach bait stations) Combat Roach Prevention (small roach bait stations) (SKU 71873) Grants Total Ant Killer Bait
Mint oil	Mint oil, Sodium lauryl sulfate	Victor Poison Free Flying Insect Killer (SKU 7094733) Victor Poison Free Wasp & Hornet
Crawling insects	Rosemary oil	Greenlight Bioganic Crawling Insect Killer
Fleas	Citrus oil spray	Concern Citrus Home Pest Control Orange Guard (SKU 746002)
	Clove oil	Greenlight Bioganic Safety Brand Dust

			Insecticide
	Clove oil	Clove oil, Thyme oil, Sesame oil	Greenlight Bioganic Home and Garden rtu Greenlight Bioganic Lawn and Garden hose end
Fleas (indoors)	Borate-based carpet treatment for fleas	Disodium octaborate tetrahydrate	Fleanix
	Desiccating dust Insecticidal dust (Diatomaceous Earth)	Silicon dioxide from diatomaceous earth	Concern Diatomaceous Earth Crawling Insect Killer Grow More Diatomaceous Earth Pest Pistol (for applying DE) Safer Crawling Insect Killer (SKU 7012479) Safer D-3 Plus Flea Killer (SKU 7062532)
Flies	Clove oil	Eugenol, Sesame oil	Greenlight Bioganic Safety Brand Flying Insect Killer
Flying insects	Mint oil	Mint oil, Sodium lauryl sulfate	Victor Poison Free Flying Insect Killer (SKU 7094733) Victor Poison Free Wasp & Hornet
Fungus	Copper soap fungicide	Potassium salts of fatty acids, Copper	Concern Copper Soap Fungicide
Leafhoppers	Garlic	Garlic	Garlic Barrier Insect Repellent
	Spray oil (Horticultural Oil)	Paraffinic oil Petroleum oil Cottonseed oil, Soybean oil Canola oil	Concern Pesticidal Oil (Canola Oil) Greenlight Horticultural Oil Spray (SKU 71313) Lily Miller Dormant Spray for Insects Lily Miller Superior Type Oil Spray Monterey Saf-T-Cide/Spreader-Sticker Ortho Volck Oil Spray (SKU 71560) Stoller Natur'l Oil (Cottonseed/Soybean Oil) Summit Year ROUND Oil Sunspray Ultrafine (SKU 746200)
Mealy bugs	Spray oil (Horticultural Oil)	Paraffinic oil Petroleum oil Cottonseed oil, Soybean oil Canola oil	Concern Pesticidal Oil (Canola Oil) Greenlight Horticultural Oil Spray (SKU 71313) Lily Miller Dormant Spray for Insects Lily Miller Superior Type Oil Spray Monterey Saf-T-Cide/Spreader-Sticker Ortho Volck Oil Spray (SKU 71560) Stoller Natur'l Oil (Cottonseed/Soybean Oil)

			Summit Year ROUND Oil Sunspray Ultrafine (SKU 746200)
Mites	Insecticidal soap	Potassium salts of fatty acids	Concern Insect Killing Soap Monterey Quick rtu Safer Flower & Garden Insecticidal Soap Concentrate Safer Fruit and Vegetable Insect Killer (SKU 74808) Safer Insecticidal Soap Insect Killer (SKU 74805) Safer Multipurpose Insecticidal Soap concentrate (SKU 750025) Safer Multipurpose Insecticidal Soap Ready-to-Use & Concentrate Safer Rose and Flower Insect Killer (SKU 74807) Schultz Garden Safe Insecticidal Soap
	Insecticidal soap	Potassium salts of fatty acids, Pyrethrins	Safer Yard and Garden Insect Killer
	Neem	Clarified hydrophobic extract of neem oil	Bonide Boneem Greenlight Fruit, Nut, & Vegetable Spray (SKU 7071988) Greenlight Neem Concentrate Greenlight Rose Defense (SKU 7062615 or 7071970) Greenlight Tomato & Vegetable Spray (SKU 7071996) Safer BioNeem Schultz Garden Safe Fungicide 3
	Spray oil (Horticultural Oil)	Paraffinic oil Petroleum oil Cottonseed oil, Soybean oil Canola oil	Concern Pesticidal Oil (Canola Oil) Greenlight Horticultural Oil Spray (SKU 71313) Lily Miller Dormant Spray for Insects Lily Miller Superior Type Oil Spray Monterey Saf-T-Cide/Spreader-Sticker Ortho Volck Oil Spray (SKU 71560) Stoller Natur'l Oil (Cottonseed/Soybean Oil) Summit Year ROUND Oil Sunspray Ultrafine (SKU 746200)
Mold	Lemon grass oil	Oil of lemon grass, Garlic juice	Citrall Lawn and Garden Fungicide
Mosquito larvae	Methoprene	Methoprene	Pre-strike Mosquito Control

Mosquitoes	DEET	N, N diethyl- <i>m</i> -toluamide	OFF! products
	Garlic	Garlic	Victor Mosquito Barrier (SKU 7061930)
	Spray oil	Soybean oil, Coconut oil, Geranium oil	Bite Blocker
Moss	Algicidal soap	Potassium salts of fatty acids	Schultz Garden Safe Moss And Algae Killer
	Citric acid	Citric acid	Worry Free Moss and Algae
Other crawling insects	Clove oil	Eugenol	Greenlight Bioganic Safety Brand Dust Insecticide
Others	Hot pepper insect repellent	Capsaicin	Bonide Hot Pepper Wax Hot Pepper Wax Insect Repellent (SKU 746004 & 746006)
	Insecticidal soap	Potassium salts of fatty acids	Concern Insect Killing Soap Monterey Quick rtu Safer Flower & Garden Insecticidal Soap Concentrate Safer Fruit and Vegetable Insect Killer (SKU 74808) Safer Insecticidal Soap Insect Killer (SKU 74805) Safer Multipurpose Insecticidal Soap concentrate (SKU 750025) Safer Multipurpose Insecticidal Soap Ready-to-Use & Concentrate Safer Rose and Flower Insect Killer (SKU 74807) Schultz Garden Safe Insecticidal Soap
	Insecticidal soap	Potassium salts of fatty acids, Pyrethrins	Safer Yard and Garden Insect Killer
Powdery mildew	Bicarbonate salt fungicide	Potassium bicarbonate	Bonide Remedy Kaligreen
	Jojoba Oil	Jojoba oil	Monterey Erase
	Lemon grass oil	Oil of lemon grass, Garlic juice	Citrall Lawn and Garden Fungicide
	Neem	Clarified hydrophobic extract of neem oil	Bonide Boneem Greenlight Fruit, Nut, & Vegetable Spray (SKU 7071988) Greenlight Neem Concentrate Greenlight Rose Defense (SKU 7062615 or 7071970) Greenlight Tomato & Vegetable Spray (SKU 7071996)

			Safer BioNeem Schultz Garden Safe Fungicide 3
	Spray oil (Horticultural Oil)	Paraffinic oil Petroleum oil Cottonseed oil, Soybean oil Canola oil	Concern Pesticidal Oil (Canola Oil) Greenlight Horticultural Oil Spray (SKU 71313) Lily Miller Dormant Spray for Insects Lily Miller Superior Type Oil Spray Monterey Saf-T-Cide/Spreader-Sticker Ortho Volck Oil Spray (SKU 71560) Stoller Natur'l Oil (Cottonseed/Soybean Oil) Summit Year ROUND Oil Sunspray Ultrafine (SKU 746200)
	Sulfur fungicide	Calcium polysulfides	Lily Miller Dormant Spray for Disease Lily Miller Polysul Summer Dormant Spray (concentrate)
	Sulfur fungicide	Sulfur	Grant's Sulfur Dust Greenlight Wettable Dusting Sulfer Safer Garden Fungicide (SKU 74806) Schultz Garden Safe Fungicide Sulfur 90W
Rust	Lemon grass oil	Oil of lemon grass, Garlic juice	Citrall Lawn and Garden Fungicide
	Neem	Clarified hydrophobic extract of neem oil	Bonide Boneem Greenlight Fruit, Nut, & Vegetable Spray (SKU 7071988) Greenlight Neem Concentrate Greenlight Rose Defense (SKU 7062615 or 7071970) Greenlight Tomato & Vegetable Spray (SKU 7071996) Safer BioNeem Schultz Garden Safe Fungicide 3
	Sulfur fungicide	Calcium polysulfides	Lily Miller Dormant Spray for Disease Lily Miller Polysul Summer Dormant Spray (concentrate)
	Sulfur fungicide	Sulfur	Grant's Sulfur Dust Greenlight Wettable Dusting Sulfer Safer Garden Fungicide (SKU 74806) Schultz Garden Safe Fungicide Sulfur 90W

Scales	Insecticidal soap	Potassium salts of fatty acids	Concern Insect Killing Soap Monterey Quick rtu Safer Flower & Garden Insecticidal Soap Concentrate Safer Fruit and Vegetable Insect Killer (SKU 74808) Safer Insecticidal Soap Insect Killer (SKU 74805) Safer Multipurpose Insecticidal Soap concentrate (SKU 750025) Safer Multipurpose Insecticidal Soap Ready-to-Use & Concentrate Safer Rose and Flower Insect Killer (SKU 74807) Schultz Garden Safe Insecticidal Soap
	Insecticidal soap	Potassium salts of fatty acids, Pyrethrins	Safer Yard and Garden Insect Killer
	Spray oil (Horticultural Oil)	Paraffinic oil Petroleum oil Cottonseed oil, Soybean oil Canola oil	Concern Pesticidal Oil (Canola Oil) Greenlight Horticultural Oil Spray (SKU 71313) Lily Miller Dormant Spray for Insects Lily Miller Superior Type Oil Spray Monterey Saf-T-Cide/Spreader-Sticker Ortho Volck Oil Spray (SKU 71560) Stoller Natur'l Oil (Cottonseed/Soybean Oil) Summit Year ROUND Oil Sunspray Ultrafine (SKU 746200)
Slugs	Snail and slug bait	Iron phosphate	Escar-Go Monterey Sluggo Schultz Garden Safe Slug and Snail Bait Worry Free Slug and Snail
	Snail and slug barrier	Coconut oil soap	Concern SlugStop
Snails	Snail and slug bait	Iron phosphate	Escar-Go Monterey Sluggo Schultz Garden Safe Slug and Snail Bait Worry Free Slug and Snail
	Snail and slug barrier	Coconut oil soap	Concern SlugStop
Spider mites	Hot pepper insect repellent	Capsaicin	Bonide Hot Pepper Wax Hot Pepper Wax Insect Repellent (SKU

			746004 & 746006)
Thrips	Garlic	Garlic	Garlic Barrier Insect Repellent
	Hot pepper insect repellent	Capsaicin	Bonide Hot Pepper Wax Hot Pepper Wax Insect Repellent (SKU 746004 & 746006)
Weeds	Corn gluten meal herbicide (pre-emergent herbicide)	Corn gluten	Bioscape Bioweed Concern Weed Prevention Plus Suppressa WOW
Weeds (especially broadleaf)	Herbicidal soap	Ammoniated salts of fatty acids	Concern Fast Acting Weed Killer
White grubs	Imidacloprid	Imidacloprid	Bayer Season-Long Grub Control
Whiteflies	Garlic	Garlic	Garlic Barrier Insect Repellent
	Hot pepper insect repellent	Capsaicin	Bonide Hot Pepper Wax Hot Pepper Wax Insect Repellent (SKU 746004 & 746006)
	Neem	Clarified hydrophobic extract of neem oil	Bonide Boneem Greenlight Fruit, Nut, & Vegetable Spray (SKU 7071988) Greenlight Neem Concentrate Greenlight Rose Defense (SKU 7062615 or 7071970) Greenlight Tomato & Vegetable Spray (SKU 7071996) Safer BioNeem Schultz Garden Safe Fungicide 3
Yellowjackets	Clove oil	Eugenol, Sesame oil	Greenlight Bioganic Safety Brand Flying Insect Killer
	Mint oil	Mint oil, Sodium lauryl sulfate	Victor Poison Free Flying Insect Killer (SKU 7094733) Victor Poison Free Wasp & Hornet

Physical Controls		
TARGET PESTS	GENERIC NAME	EXAMPLE OF TRADE NAMES
Ants	Caulk	Various
	Slippery barrier	Safer Insect Barrier Tape (SKU 7021710)
	Sticky barriers	Stickem Tree Pest Barrier (SKU 70410) Tanglefoot Tree Sticky Barrier (SKU 70406 & 99015)
Aphids (winged)	Flying insect traps	Big Stick Sticky Fly Trap

		<p>Safer Sticky Traps for Houseplants Safer Sticky Whitefly Trap (SKU 7012602) Yellow Sticky Trap (also Central Garden & Pet and L&L brands)</p>
Birds	Netting	<p>Garden Netting Tree Netting</p>
	Reflective Tape	<p>Bird Scare Tape Birds Away Reflective Scarecrow Tape</p>
Cockroaches	Caulk	Various
	Cockroach sticky trap	Black Flag Roach Motel (SKU 71136) and many other brands
	Cockroach sticky trap with pheromone attractant	Victor Roach Magnet (SKU 7036643)
	Slippery barrier	Safer Insect Barrier Tape (SKU 7021710)
Deer	Netting	<p>Garden Netting Tree Netting</p>
Fleas	Flea comb	Various brands
	Flea trap	PestNomore Flea Trap Raid Flea Killer Plus Trap The Ultimate Flea Trap (Victor)
Flies	Flying insect traps	<p>Big Stick Sticky Fly Trap Safer Sticky Traps for Houseplants Safer Sticky Whitefly Trap (SKU 7012602) Yellow Sticky Trap (also Central Garden & Pet and L&L brands)</p>
Flour moths	Pantry pest trap	<p>Concern Kitchen Moth Trap Safer Pantry Pest Trap</p>
Fungal Diseases	Anti-transpirant	Cloud Cover (SKU 751005 & 751287) Wilt Pruf (SKU 7097991, 7097983 & 7098098)
General pest control and extending the growing season	Floating row cover Row cover	<p>Fast Start Gardeneer Harvest Guard Seed Blanket Grass-Fast Protective Seedling Cover for Lawns (SKU 76002) Grow Cover Many other brands Seed Blanket</p>
Mosquitoes (to fill tree holes where water might otherwise collect or to absorb moisture near plants and	Polymers (organic)	Broadleaf P4 Soil Moist

reduce their need for water)		
Plant stress reduction	Anti-transpirant	Cloud Cover (SKU 751005 & 751287) Wilt Pruf (SKU 7097991, 7097983 & 7098098)
Slugs	Copper barrier	Cal Plastics Copper Barrier Tape Safer Slug and Snail Copper Barrier Tape (SKU 7012628)
	Slug and snail pitfall trap	Safer Pit Slug and Snail Trap (SKU 76991)
Snails	Copper barrier	Cal Plastics Copper Barrier Tape Safer Slug and Snail Copper Barrier Tape (SKU 7012628)
	Slug and snail pitfall trap	Safer Pit Slug and Snail Trap (SKU 76991)
Weeds	Asphalt crack filler	Crack-Fill
White Grubs (also used to aerate lawn)	Spikes Spiked shoes or sandals	Aerator Sandals Green Giant Spike Shoes Spikes of Death
Whiteflies	Flying insect traps	Big Stick Sticky Fly Trap Safer Sticky Traps for Houseplants Safer Sticky Whitefly Trap (SKU 7012602) Yellow Sticky Trap (also Central Garden & Pet and L&L brands)
Yellowjackets	Yellowjacket Trap and attractants	Excalibur Yellow Jacket Trap Lilly Miller Yellowjacket Trap Rescue! Trap (reusable, SKU 74521)- Rescue! Yellowjacket (disposable, SKU 7006927) Rescue! Yellowjacket attractant Safer Deluxe Yellowjacket and Wasp Trap (SKU 7003494) Safer Disposable Yellowjacket Trap Safer Yellowjacket & Wasp Trap (trap w/protein bait) Safer Yellowjacket Attractant (protein bait) Sterling Int'l Yellowjacket Control Trap (SKU 74521) Victor Yellowjacket and Flying Insect Trap (74078)

Cultural Controls		
GENERIC NAME	FUNCTION OR PURPOSE	EXAMPLE OF TRADE NAMES
100% organic fertilizers	General prevention of pests, but especially aphids, which thrive on succulent new growth produced by quick-release fertilizers	Down to Earth Dr. Earth E.B. Stone Glorius Gardens All Purpose Organic Neptune's Harvest Whitney Farms
Alfalfa Meal	Source of nitrogen	Down to Earth Alfalfa Meal Whitney Farms Alfalfa Meal
Blood Meal	Source of nitrogen	Bandini Glorious Gardens GreenAll Master Nursery Scott's Blood Meal (SKU 7064470) Whitney Farms
Blood & Bone Meal	Source of nitrogen and phosphorus	Bandini GreenAll Whitney Farms
Blood Meal, bone meal, feather meal, kelp meal, dried poultry waste, sulpomag	Slow-release fertilizer (not all ingredients contained in each brand)	Bio-Turf Lilly Miller Compost Maker Ringer Lawn Restore (SKU 75867) Whitney Farms Lawn Food
Bone Meal	Source of phosphorus	Ace Premium Bone Meal (SKU 71865) Bandini GreenAll (SKU 746044) Master Nursery Scott's Bone Meal (SKU 7064462) Whitney Farms
Cocoa Bean Hull Mulch	Good weed suppression, can make the soil more alkaline	Cocoa Bean Hulls
Composted Poultry Litter	Slow-release fertilizer	Lily Miller Lawn Renew Redi-Gro Chicken Manure (SKU 7060197) Sustane
Cottonseed Meal	Source of nitrogen	Down to Earth Cottonseed Meal Glorius Gardens Cottonseed Meal GreenAll (SKU 746047)

		Master Nursery Whitney Farms Cottonseed Meal
Fir mulch (All organic fir bark + 15% chicken fertilizer)	Medium weed suppression, can acidify soil	GreenAll
Fish Emulsion	Complete source of nitrogen, phosphorus & potash in liquid concentrate	Alaska Fish Fertilizer (SKU 73208) Atlas Black Leaf Glorius Gardens GreenAll Liquinox
Insectary Plants	Pollen- & nectar-rich flowering plants that attract beneficial insects to help control pests	Call for information (see Fact Sheet entitled "Healthy Garden")
Insect-Resistant Turf	Reduce white grub damage	Fescues and warm season grasses
Kelp Meal Seaweed-based Fertilizers	Supply micro nutrients to plants	Glorius Gardens Kelp Meal Grow More Kelp Meal Whitney Farms Kelp Meal
Landscape Fabric	Good weed suppression	Gardeneer Weed Sheild Weed Mat WeedBlock (SKU 75091, 72782, 73227, 75434, & 75435)
Micro-Bark (All organic fir bark)	Good weed suppression	Bandini Black Magic GreenAll
Paper Mulch	Good weed suppression	Planter's Paper
Potting Soil	Planting substrate	Fox Farms Whitney Farms
Slow-release Fertilizers and Encapsulated Fertilizers	General prevention of pests, but especially aphids, which thrive on succulent new growth produced by quick-release fertilizers	Jobes Spikes (many varieties) Miracle Gro Spikes (several varieties) Osmocote (SKU 72660, 7036981, 7036999, 72661, 72306) Osmocote Outdoor and Indoor Plant Food (SKU 72811) (and other varieties) Schultz Multicote Vigoro Lawn Fertilizer

Biological Controls		
TARGET PESTS	COMMON NAME (ACE SKU)	SCIENTIFIC NAME
Aphids	Lacewings	<i>Chrysoperla carnea</i>
	Ladybug lures: Safer Ladybug Lures (SKU 7012628)	
Caterpillars	Dragon Chemical Corp. Thuricide Spray (SKU 73996) Greenlight BT Worm Killer (SKU 71339) Monterey Caterpillar Clobber Monterey Worm Ender Safer B.T. Caterpillar Killer (SKU 75440)	<i>Bacillus thuringiensis kurstaki</i> (B.t.k.)
	Monterey Garden Insect Spray	<i>Spinosad - mixture of Spinosyn A and Spinosyn D</i>
Fire ants	Monterey Garden Insect Spray	<i>Spinosad - mixture of Spinosyn A and Spinosyn D</i>
Fleas (immature)	Beneficial Nematodes	<i>Steinernema carpocapsae</i>
	Flea Destroyer (beneficial nematode)	<i>Steinernema carpocapsae</i>
Insects	Trichogramma	<i>Trichogramma pretiosum</i>
Mealy bugs	Lacewings	<i>Chrysoperla carnea</i>
	Ladybug lures: Safer Ladybug Lures (SKU 7012628)	
Mites	Lacewings	<i>Chrysoperla carnea</i>
	Ladybug lures: Safer Ladybug Lures (SKU 7012628)	
Mosquito larvae (in water)	Mosquito Bits Mosquito Dunks (SKU 7092927 & 7092935) Vectobac	<i>Bacillus thuringiensis israelensis</i> (B.t.i.)
Other soft-bodied insects	Lacewings	<i>Chrysoperla carnea</i>
	Ladybug lures: Safer Ladybug Lures (SKU 7012628)	
Sod webworms	Dragon Chemical Corp. Thuricide Spray (SKU 73996) Greenlight BT Worm Killer (SKU 71339) Monterey Caterpillar Clobber Monterey Worm Ender Safer B.T. Caterpillar Killer (SKU 75440)	<i>Bacillus thuringiensis kurstaki</i> (B.t.k.)
	Beneficial Nematodes	<i>Steinernema carpocapsae</i>
White grubs	Beneficial Nematodes	<i>Steinernema carpocapsae</i>

Monitoring Aids		
TOOL	FUNCTION OR PURPOSE	TRADE NAME
Compost Thermometer	Monitor composting process	No Wait Compost Thermometer
Hand Lens (10x)	Magnifying insects and mites in order to identify them	
Soil Probe	Test soil moisture to keep plants vigorous	Soil Sampler
Soil Thermometer	Test soil temperature to determine when nematodes can be used or to determine whether or not to plant	Soil Test Thermometer

Reference Materials			
TITLE, AUTHOR, PUBLISHER	YEAR PUBLISHED	USES IN STORE	TOPIC
California Insects Gerry Powell & Charles Hogue Calif. Princeton Fulfillment Service 1445 Lower Ferry Rd. Ewing, NJ 08618 800-822-6657	1979	Reference and Sale	Identification of pests and beneficial insects
Common Sense Pest Control by William Olkowski, Sheila Daar, and Helga Olkowski Taunton Press, Box 5506 Newtown, CT 06740 800-926-8776	1991	Reference and Sale	Controlling pests in and around the home using integrated pest management (IPM)
Controlling Pests and Diseases by Patricia S. Michalak Rodale Press Book Reader's Service 333 East Minor Street Emmaus, PA 18098 800-848-4735	1994	Reference and Sale	Controlling pests in the garden using IPM
Garden Pests and Diseases by the Editors of Sunset Books & Magazine Sunset Publishing Corp Menlo Park, CA 94025. 800-526-5111	1993	Reference and Sale	Controlling pests in the garden using IPM
Gardener's Guide to Common Sense Pest Control William Olkowski, Sheila Daar, and Helga Olkowski Taunton Press	1996	Sale	Controlling pests in the garden using IPM

<p>Good Bugs for Your Garden Allison Mia Starcher Algonquin Books of Chapel Hill P.O. Box 2225 Chapel Hill, NC 27515 800-722-7202</p>	1995	Reference and Sale	Identifying beneficial insects
<p>Natural Disease Control: A Common-Sense Approach to Plant First Aid 21st-Century Gardening Series Brooklyn Botanic Garden 1000 Washington Ave. Brooklyn, NY 11225 718-623-7200</p>	2000	Reference and Sale	Identifying and treating diseases using IPM
<p>Natural Enemies Handbook Mary Louise Flint and Steve H. Dreistadt Dept. of Agriculture and Natural Resources, Univ. of California (DANR) 6701 San Pablo Ave. Oakland, CA 94608 510-642-2431</p>	1998	Reference and Sale	Identifying beneficial insects
<p>Pests of Landscape Trees and Shrubs (Publication #3359) Steve H. Dreistadt DANR</p>	1994	Reference and Sale	Controlling pests on trees and shrubs using IPM
<p>Pests of the Garden and Small Farm (Publication #3332) Mary Louise Flint DANR</p>	1990	Reference and Sale	Controlling pests in the garden using IPM
<p>Pests of the West Whitney Cranshaw Fulcrum Publishers Golden, CO 80401 303-277-1623</p>	1995	Reference and Sale	Identification of pests
<p>The Best of Fine Gardening: Healthy Soil Editors of Fine Gardening magazine Taunton Press</p>	1995	Reference and Sale	Soils and soil types; improving soil
<p>The Chemical-Free Lawn Warren Schultz Rodale Press</p>	1993	Reference and Sale	Less-toxic lawn care

The Sunset Western Garden Problem Solver Editors of Sunset Books & Magazines Sunset Publishing Corp.	1998	Reference and Sale	Controlling pests in the garden using IPM
The UC Guide to Solving Garden and Landscape Problems: An Interactive CD-ROM (Publication #3400) University of California in cooperation with Washington State and Oregon State Universities DANR	2000	Reference	Controlling pests in the garden and landscape using IPM
Trees and Shrubs for Temperate Climates, 3 rd Edition Gordon Courtright Timber Press Portland Oregon 503-227-2878	1998	Reference and Sale	Selecting trees and shrubs for Bay Area gardens
Turfgrass Pests (Publication #4053) A.D. Ali and Clyde L. Elmore DANR	1989	Reference and Sale	Controlling pests in lawns
U.C. IPM Pest Management Guidelines: Turfgrass (Publication #3365-T) Edited by Mary Louise Flint DANR	1996	Reference	IPM for lawns
Water Conserving Plants and Landscapes for the Bay Area, 2 nd Edition East Bay Municipal Utility District Oakland, CA 510-287-1630	1990	Reference	Landscaping with drought-tolerant plants