"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 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, (650) 365-8620.

Less-Toxic Product List

Revised May 3, 2000

Chemical Controls			
PRODUCT TYPE	ACTIVE INGREDIENT(S)	TARGET PEST(S)	EXAMPLES OF TRADE NAME(S); (Ace SKU #)
Abamectin ant and cockroach baits	Abamectin	Ants Cockroaches	Advance Dual-Choice Bait Station (Ants)
		Cookidadiida	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	Ants	Grants Kills Ants (SKU 72197 and 7069057)
Borate-based carpet treatment for fleas	Disodium octaborate tetrahydrate	Fleas (indoors)	Fleanix
Borate-based products	Disodium octaborate	Ants (indoors and	Terro Ant Killer II (SKU 70677)
Boric Acid	tetrahydrate (borate) Orthoboric acid (boric	outdoors) Cockroaches	Victor Liquid Ant Killing System (SKU 74116)
Borax	acid)	Sodium tetrahydrate decahydrate (borax)	Drax Ant Kil Gel and Drax Ant Kil pf
			Drax Liquidator Ant Bait Station
	areany management		Enforcer Ant Baits (SKU 788034)
			Ant Begone liquid bait
			Seabright Roach Free System Bait (sticky trap and boric acid bait station)
			Roach Prufe (SKU 73862)
			Spectrum Hot Shot Roach Reward (SKU 7077340)
			Enforcer Roach Ridd (SKU 72439)
			Victor Roach Killing Powder (SKU 70588)
			PIC Boric Acid Roach Powder, and many other brands

PRODUCT TYPE	ACTIVE INGREDIENT(S)	TARGET PEST(S)	EXAMPLES OF TRADE NAME(S); (Ace SKU #)
Citrus Oil Spray	d-Limonene	Ants, cockroaches, fleas	Orange Guard (SKU 746002) Concern Citrus Home Pest Control
Corn Gluten Meal	Corn gluten	Weeds	WOW
herbicide (pre-	Com glaten	VVCCu3	Suppressa
emergent herbicide)			Concern Weed Prevention Plus
Desiccating Dust	Silicon dioxide from diatomaceous earth	Ants, cockroaches, and fleas (indoors)	Concern Diatomaceous Earth Crawling Insect Killer
(Diatomaceous Earth)			Surefire Crawling Insect Killer (SKU 7012479)
			Surefire Ant Killer (SKU 7012651)
			Surefire D-3 Plus Flea Killer (SKU 7062532)
			Grow More Diatomaceous Earth
			Pest Pistol (for applying DE)
Fipronil ant and cockroach baits	Fipronil	Ants Cockroaches	Combat Quick Kill Formula (ant bait stations) (SKU 7025190)
	Cookidasiida		Combat Outdoor Ant Stakes (SKU 7035959)
			Combat Quick Kill Formula (bait stations for large roaches)
			Combat Quick Kill Formula (bait stations for small roaches) (SKU 7025182)
Garlic	Garlic	Mosquitoes	Victor Mosquito Barrier (SKU 7061930)
Garlic	Garlic	Ants, aphids, leafhoppers, thrips, whiteflies, etc.	Garlic Barrier Insect Repellent
Herbicidal Soap	Potassium salts of fatty acids	Weeds (especially broadleaf)	Safer Superfast Weed & Grass Killer (SKU 74809) NOT to be confused with Safer Weed-Away
Horticultural oil	Cottonseed Oil/Soybean oil	Aphids, scales, mites, mealy bugs	Stoller Natur'l Oil
Hot Pepper Insect Repellent	Capsaicin	Aphids, spider mites, thrips, whiteflies and others	Hot Pepper Wax Insect Repellent (SKU 746004 and 746006)

PRODUCT TYPE	ACTIVE INGREDIENT(S)	TARGET PEST(S)	EXAMPLES OF TRADE NAME(S); (Ace SKU #)
Hydramethylnon ant and cockroach baits	Hydramethylnon	Ants (indoors and outdoors)	Combat Ant Control (bait stations) (SKU 74509)
		Cockroaches (indoors)	Combat Outdoor Ant Killing Granules
			Combat Roach Prevention (large roach bait stations)
			Combat Roach Prevention (small roach bait stations) (SKU 71873)
			Combat Roach Killing Gel (SKU 7062177)
Imidacloprid	Imidacloprid	White grubs	Advanced Lawn Season-Long Grub Control
Insect Growth Regulator	Methoprene	Fleas (indoors)	Precor
Insecticidal Soap	fatty acids mit	Ants, aphids, scales, mites, mealy bugs,	Safer Flower & Garden Insecticidal Soap Concentrate
		small caterpillars, and others	Safer Multipurpose Insecticidal Soap Ready-to-Use & Concentrate
			Safer Multipurpose Insecticidal Soap concentrate (SKU 750025)
			Safer Insecticidal Soap Insect Killer (SKU 74805)
			Rose and Flower Insect Killer (SKU 74807)
			Fruit and Vegetable Insect Killer (SKU 74808)
Mint oil	Mint oil, sodium lauryl sulfate	Yellowjackets, other flying insects	Victor Poison Free Wasp & Hornet Killer
			Victor Poison Free Flying Insect Killer
Neem	Clarified hydrophobic	Aphids, whiteflies,	Safer BioNeem
	extract of neem oil mites, black spot, powdery mildew, r anthracnose	powdery mildew, rust,	Greenlight Rose Defense (SKU 7062615 or 7071970)
		anamaonoco	Greenlight Tomato & Vegetable Spray (SKU 7071996)
			Greenlight Fruit, Nut, & Vegetable Spray (SKU 7071988)
Pelargonic acid herbicide	Pelargonic acid	Weeds (broadleaf and grasses)	Quick Weed Killer
Snail and slug bait	Iron phosphate	Snails, slugs	Monterey
			Escar-Go
			Worry Free Slug and Snail

PRODUCT TYPE	ACTIVE	TARGET PEST(S)	EXAMPLES OF TRADE NAME(S);
	INGREDIENT(S)		(Ace SKU #)

Snail and slug barrier	Coconut Oil Soap	Snails, slugs	SlugStop
Spray Oil	Paraffinic oil	Aphids, scales, mites,	Sunspray Ultrafine (SKU 746200)
(Horticultural Oil)	Petroleum oil	mealy bugs, leafhoppers, and	Monterey Saf-T-Cide/Spreader-Sticker
		powdery mildew	Ortho Volck Oil Spray (SKU 71560)
			Greenlight Horticultural Oil Spray (SKU 71313)
Sulfluramid ant baits	N-ethyl	Ants	Hot Shot Maxattrax Ant Bait (SKU
	perflourooctanesulfo- namide		7065162)
			Raid Ant Bait Plus NOT to be confused with Raid Ant Bait which contains chlorpyrifos.
Sulfur fungicide	Calcium polysulfides	Powdery mildew	Ortho Dormant Disease Control (for roses)
		Black spot	,
		Rust	Lily Miller Polysul Summer Dormant Spray (concentrate)
			Lily Miller Dormant Spray for Insects
			Lily Miller Dormant Spray for Disease
Sulfur fungicide	Sulfur	Powdery mildew	Safer Garden Fungicide
		Black spot	Sulfur 90W
		Rust	Grant's Sulfur Dust

Physical Controls			
GENERIC NAME TARGET PESTS EXAMPLE OF TRADE NAM			
Anti-transpirant	Fungal Diseases	Cloud Cover (SKU 751005 and 751287)	
	Plant stress reduction	Wilt Pruf	
Asphalt Crack Filler	Weeds	Crack-Fill	
Cockroach Sticky Trap	Cockroaches	Black Flag Roach Motel (SKU 71136)	
		and many other brands	
Cockroach Sticky Trap with pheromone attractant	Cockroaches	Victor Roach Magnet (SKU 7036643)	
Caulk	Ants	Various	
	Cockroaches		
Copper barrier	Slugs and snails	Surefire Slug and Snail Copper Barrier Tape (SKU 7012628)	
Flea Comb	Fleas	Various brands	

Physical Controls			
GENERIC NAME	TARGET PESTS	EXAMPLE OF TRADE NAMES	
Flea Trap	Fleas	The Ultimate Flea Trap (Victor)	
		PestNomore Flea Trap	
Flying insect traps	Winged aphids and whiteflies	Yellow Sticky Trap	
		Surefire Sticky Whitefly Trap (SKU 7012602)	
		(also Central Garden & Pet and L&L brands)	
Floating Row Cover	General pest control and extending	Fast Start	
Row Cover	the growing season	Seed Blanket	
		Grow Cover	
		Grass-Fast Protective Seedling Cover for Lawns (SKU 76002)	
		Many other brands	
Netting	Birds and Deer	Tree Netting	
		Garden Netting	
Reflective Tape	Birds (to scare them away)	Bird Scare Tape	
		Birds Away Reflective Scarecrow Tape	
Slippery Barrier	Ants, Cockroaches	Surefire Insect Barrier Tape (SKU 7021710)	
Slug and Snail Pitfall Trap	Slugs and snails	Surefire Pit Slug and Snail Trap (SKU 76991)	
Spikes	White Grubs (also used to aerate	Spikes of Death	
Spiked shoes or sandals	lawn)	Green Giant Spike Shoes	
		Aerator Sandals	
Sticky Barriers	Ants	Tanglefoot Tree Sticky Barrier (SKU 70406 and 99015)	
		Stickem Tree Pest Barrier (SKU 70410)	
Yellowjacket Trap	Yellowjackets	Yellowjacket Trap	
		Rescue! Yellowjacket (disposable, SKU 7006927)	
		Rescue! Trap (reusable, SKU 74521)-	
		Lilly Miller Yellowjacket Trap	
		Surefire Deluxe Yellowjacket and Wasp Trap (SKU 7003494)	
		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	
Slow-release Fertilizers	General prevention of pests, but	Vigoro Lawn Fertilizer	
and Encapsulated Fertilizers	especially aphids which thrive on succulent new growth produced by quick-release fertilizers.	Osmocote Outdoor and Indoor Plant Food (SKU 72811)	
	quiok roiouse fortings.	Osmocote (SKU 72660, 7036981, 7036999, 72661, 72306)	
100% organic fertilizers	Same as above	Whitney Farms	
		Dr. Earth	
Alfalfa Meal	Source of nitrogen	Down to Earth Alfalfa Meal	
		Whitney Farms Alfalfa Meal	
Blood & Bone Meal	Source of nitrogen and phosphorus	GreenAll	
		Bandini	
		Tagline	
		Whitney Farms	
Blood Meal	Source of nitrogen	GreenAll	
		Bandini	
		Tagline	
		Whitney Farms	
		Scott's Blood Meal (SKU 7064470)	
Blood Meal, bone meal,	Slow release fertilizer	Ringer Lawn Restore	
feather meal		Bio-Turf	
Bone Meal	Source of phosphorus	GreenAll (SKU 746044)	
		Bandini	
		Tagline	
		Whitney Farms	
		Ace Premium Bone Meal (SKU 71865)	
		Scott's Bone Meal (SKU 7064462)	
Composted Poultry Litter	Slow-release fertilizer	Sustane	
		Lily Miller Lawn Renew	
		Redi-Gro Chicken Manure (SKU 7060197)	
Cottonseed Meal	Source of nitrogen	GreenAll (SKU 746047)	
		Down to Earth Cottonseed Meal	
		Whitney Farms Cottonseed Meal	

GENERIC NAME	FUNCTION OR PURPOSE	EXAMPLE OF TRADE NAMES
Fish Emulsion	Complete source of nitrogen,	GreenAll
	phosphorus & potash in liquid concentrate	Atlas
		Black Leaf
		Alaska Fish Fertilizer (SKU 73208)
Kelp Meal	Supply micro nutrients to plants	Whitney Farms Kelp Meal
Seaweed-based Fertilizers		Grow More Kelp Meal
Cocoa Bean Hull Mulch	Good weed suppression, can make the soil more alkaline	Cocoa Bean Hulls
Fir mulch (All organic fir bark + 15% chicken fertilizer)	Medium weed suppression, can acidify soil	GreenAll
Landscape Fabric	Good weed suppression	Weed Mat
		WeedBlock (SKU 75091 & 73227)
Micro-Bark(All organic fir	Same as above	GreenAll
bark)		Bandini
		Black Magic
Paper Mulch	Good weed suppression	Planter's Paper
Insectary Plants	Pollen- & nectar-rich flowering plants that attract beneficial insects to help control pests	Call for information (see Fact Sheet entitled "Naturally Managing Pests")
Insect-Resistant Turf	Reduce white grub damage	Fescues and warm season grasses

Biological Controls				
COMMON NAME (ACE SKU)	SCIENTIFIC NAME	TARGET PESTS		
Beneficial Nematodes	Steinernema carpocapsae	Lawn pests, such as white grubs and sod webworms, and immature fleas		
Flea Destroyer (beneficial nematode)	Steinernema carpocapsae	Immature fleas		
Lacewings	Chrysoperla carnea	Aphids, mealy bugs, mites and other soft-bodied insects		
Ladybug lures:		Aphids, mealy bugs, mites and		
Surefire Ladybug Lures (SKU 7012628)		other soft-bodied insects		
Mosquito Dunks (SKU 7092927 & 7092935)	Bacillus thuringiensis israelensis(B.t.i.)	Mosquito larvae (in water)		
Safers B.T. Caterpillar Killer (SKU 75440)	Bacillus thuringiensis kurstaki	Various caterpillars including sod		
Greenlight Bio-Worm Killer (SKU 71339)	(B.t.k.)	webworm		
Dragon Chemical Corp. Thuricide Spray (SKU 73996)				

Trichogramma	Trichogramma pretiosum	Over 200 species of insects
Theregramma	Trionogramma prodocam	0 101 200 oposios of mossis

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

Reference Materials						
TITLE, AUTHOR, PUBLISHER	YEAR PUBLISHED	USES IN STORE	TOPIC			
Good Bugs for Your Garden	1995	Reference and Sale	Identifying beneficial insects			
Allison Mia Starcher						
Algonquin Books of Chapel Hill P.O. Box 2225 Chapel Hill, NC 27515						
800-722-7202						
Natural Enemies Handbook	1998	Reference and Sale	Identifying beneficial insects			
Mary Louise Flint and Steve H. Dreistadt						
Dept. of Agriculture and Natural Resources, University of California (DANR) 6701 San Pablo Ave. Oakland, CA 94608						
510-642-2431						
Pests of Landscape Trees and Shrubs (Publication #3359)	1994	Reference and Sale	Controlling pests on trees and shrubs using IPM			
Steve H. Dreistadt						
DANR						
Pests of the Garden and Small Farm (Publication #3332)	1990	Reference and Sale	Controlling pests in the garden using IPM			
Mary Louise Flint						
DANR						
Pests of the West	1995	Reference and Sale	Identification of pests			
Whitney Cranshaw						
Fulcrum Publishers Golden, CO 80401						
303-277-1623						
The Best of Fine Gardening: Healthy Soil	1995	Reference and Sale	Soils and soil types; improving soil			
Editors of Fine Gardening magazine						
Taunton Press						
The Chemical-Free Lawn	1993	Reference and Sale	Less-toxic lawn care			
Warren Schultz						
Rodale Press						
The Sunset Western Garden Problem Solver	1998	Reference and Sale	Controlling pests in the garden using IPM			
Editors of Sunset Books & Magazines						
Sunset Publishing Corp.						

Reference Materials						
TITLE, AUTHOR, PUBLISHER	YEAR PUBLISHED	USES IN STORE	TOPIC			
Trees and Shrubs for Temperate Climates, 3 rd Edition	1998	Reference and Sale	Selecting trees and shrubs for Bay Area gardens			
Gordon Courtright						
Timber Press Portland Oregon						
503-227-2878						
Turfgrass Pests (Publication #4053) A.D. Ali and Clyde L. Elmore	1989	Reference and Sale	Controlling pests in lawns			
DANR						
U.C. IPM Pest Management Guidelines: Turfgrass (Publication #3365-T)	1996	Reference	IPM for lawns			
Edited by Mary Louise Flint						
DANR						
Water Conserving Plants and Landscapes for the Bay Area, 2 nd Edition	1990	Reference	Landscaping with drought-tolerant plants			
East Bay Municipal Utility District Oakland, CA						
510-287-1630						