Annual Reporting for FY 2015-2016

Regional Supplement for Training and Outreach

San Francisco Bay Area Municipal Regional Stormwater Permit



September 2016



Alameda Countywide Clean Water Program

Contra Costa Clean Water Program

Fairfield-Suisun Urban Runoff Management Program

Marin County Stormwater Pollution Prevention Program

Napa County Stormwater Pollution Prevention Program

San Mateo Countywide Water Pollution Prevention Program

Santa Clara Valley Urban Runoff Pollution Prevention Program

Sonoma County Water Agency

Vallejo Sanitation and Flood Control District To Whom It May Concern:

We certify under penalty of law that this document was prepared under our direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on our inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of our knowledge and belief, true, accurate, and complete. We are aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

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LIST OF ATTACHMENTS:

C.5.e. Control of Mobile Sources

Screen shots of Updated Website

C.9.e.ii.(1) Point of Purchase Outreach

New *Our Water, Our World* graphic / display materials Photos of trade show booths Copy of *Our Water, Our World* advertisement Screen shots of Mobile Inline Content in the Chinook Book App

C.9.e.ii.(3) Outreach to Pest Control Professionals

Letter to pest control companies with EcoWise Certified IPM practitioner employees

INTRODUCTION

This Regional Supplement has been prepared to report on regionally implemented activities complying with portions of the Municipal Regional Stormwater Permit (MRP), issued to 76 municipalities and special districts (Permittees) by the San Francisco Bay Regional Water Quality Control Board (Water Board). The Regional Supplement covers training and outreach activities related to the following MRP provisions:

- Provision C.5.e., Control of Mobile Sources,
- Provision C.7.c.ii.(1)., Stormwater Point of Contact,
- Provision C.9.e.ii.(1), Point of Purchase Outreach, and
- Provision C.9.e.ii.(3), Outreach to Pest Control Professionals

These regionally implemented activities are conducted under the auspices of the Bay Area Stormwater Management Agencies Association (BASMAA), a 501(c)(3) non-profit organization comprised of the municipal stormwater programs in the San Francisco Bay Area. Most of the 2015-2016 annual reporting requirements of the specific MRP Provisions covered in this Supplement are completely met by BASMAA Regional Project activities, except where otherwise noted herein or by Permittees in their reports. Scopes, budgets and contracting or in-kind project implementation mechanisms for BASMAA Regional Projects follow BASMAA's operational Policies and Procedures as approved by the BASMAA Board of Directors. MRP Permittees, through their program representatives on the Board of Directors and its committees, collaboratively authorize and participate in BASMAA Regional Projects or Regional Tasks. Depending on the Regional Project or Task, either all BASMAA members or Phase I programs that are subject to the MRP share regional costs.

Training

C.5.e. Control of Mobile Sources

This provision requires:

Each Permittee shall implement a program to reduce the discharge of pollutants from mobile businesses.

- (1) The program shall include the following:
 - (a) Implementation of minimum standards and BMPs for each of the various types of mobile businesses, such as automobile washing, power washing, steam cleaning, and carpet cleaning.
 - (b) Implementation of an enforcement strategy that specifically addresses the unique characteristics of mobile businesses.
 - (c) Regularly updating mobile business inventories.
 - (d) Implementation of an outreach and education strategy to mobile businesses operating within the Permittee's jurisdiction.
 - (e) Inspection of mobile businesses, as needed.
- (2) Permittees may cooperate county-wide and/or region-wide with the implementation of their programs for mobile businesses, including sharing of mobile business inventories, BMP requirements, enforcement action information, and education.

BASMAA's long-standing Surface Cleaner Training and Recognition program addresses these aspects of the provision by focusing on the most common type of outdoor cleaning – cleaning of flat surfaces like sidewalks, plazas, parking areas, and buildings. Individual Permittees address the inspection and enforcement aspects of the provision.

Previously, BASMAA, the Regional Water Board, and mobile businesses jointly developed best management practices. The BMPs were packaged and delivered in training materials (e.g., Pollution from Surface Cleaning folder), and via workshops and training videos. The folder and the training video have since been translated into Spanish. Cleaners that take the training and a self-quiz are designated by BASMAA as Recognized Surface Cleaners. BASMAA also created and provides marketing materials for use by Recognized Surface Cleaners. Previously, BASMAA converted the delivery mechanism to being online so that mobile businesses would have on-demand access to the materials and the training. BASMAA continues to maintain the Surface Cleaner Training and Recognition program. Cleaners can use the website to get trained and recognized for the first time or renew their training and recognition, as required annually. Recognized cleaners can also download marketing materials from the website. Potential customers, including Permittees can use the site to verify the recognition status of any cleaner, as can municipal inspectors.

Subsequent to the development and implementation of the existing program, BASMAA and the Permittees scoped and budgeted for a new project to enhance the existing Surface Cleaner Training and Recognition program in the following ways.

- Expand the existing Surface Cleaner Training and Recognition Program to include two new mobile business categories - vehicle-related cleaning and carpet cleaning;
- 2. Develop best management practices for the two new categories based on existing BMPs;
- 3. Review and revise as necessary BMPs for surface cleaning to be in compliance with the State Water Board's new drought-driven Emergency Regulation for Statewide Urban Water Conservation, and
- 4. Create outreach materials for the new categories and revise outreach for surface cleaning.

The following has been accomplished:

- Website Completed major update of the site.
- BMPs Best management practices were developed and are being finalized for vehicle-related cleaning and carpet cleaning based on existing sets from BASMAA member agencies, other public agencies, and the trade association. BMPs for surface cleaning are being reviewed and revised to incorporate the State Water Board's Emergency Regulation for Statewide Urban Water Conservation.
- Outreach Outreach materials are being developed for vehicle-related cleaning and carpet cleaning.

Public Information and Outreach

C.7.c.ii.(1) Stormwater Point of Contact

This provision requires:

Each Permittee shall maintain and publicize one point of contact for information on stormwater issues, watershed characteristics, and stormwater pollution prevention alternatives. This point of contact can be maintained individually or collectively and Permittees may combine this function with the spill and dumping complaint central contact point required in C.5.

BASMAA assists with this provision by using the regional website: <u>BayWise.org</u> to list or link to member programs' lists of points of contact and contact information for the stormwater agencies in the Bay Area (http://baywise.org/about-us).

Pesticides Toxicity Control

C.9.e.ii.(1) Point of Purchase Outreach

This provision requires Permittees to:

- Conduct outreach to consumers at the point of purchase;
- Provide targeted information on proper pesticide use and disposal, potential adverse impacts on water quality, and less toxic methods of pest prevention and control; and
- Participate in and provide resources for the "Our Water, Our World" program or a functionally equivalent pesticide use reduction outreach program.

The Annual Reporting provision requires:

Outreach conducted at the county or regional level shall be described in Annual Reports prepared at that respective level; reiteration in individual Permittee reports is discouraged. Reports shall include a brief description of outreach conducted..., including level of effort, messages and target audience. (The effectiveness of outreach efforts shall be evaluated only once in the Permit term, as required in Provision C.9.f. [Ed. C.9.g]).

Below is a report of activities and accomplishments of the *Our Water, Our World* program for FY 2015-2016.

- Completed comprehensive review and major overhaul of program materials resulting in new (see attachments):
 - o Logo,
 - Shelf tag,
 - o Literature rack header and side panel signage,
 - o Product Guides (3 versions generic, OSH, Home Depot),
 - Product Guide dispenser,
 - Aisle signage,
 - o Business cards, and
 - Fact sheets (14 English, 3 Spanish).

- Coordinated program implementation with major chains Home Depot, Orchard Supply Hardware (OSH), and Ace Hardware National. Corporate office of OSH (San Jose) and Home Depot (Atlanta) directed support of the program with their stores.
- Twice printed an inventory of the following: fact sheets, shelf tags, and Home Depot-specific pocket guide, from which participating agencies could purchase materials.
- Updated less-toxic Product Lists: 4 versions generic product-by-pesticide-fertilizer, generic product-by-pest, OSH product-by-pest, and Home Depot product-by-pest
- Maintained Our Water, Our World website.
- Provided <u>Ask-the-Expert</u> service—which provides 24-hour turnaround on answers to pest management questions.
- Provided and staffed exhibitor booths (see photos attached).
 - Excel Gardens Dealer Show, Las Vegas (August 2015)
 - L&L Dealer Show, Reno (October 2015)
 - NorCal trade show, San Mateo (February 2016)
- Provided on-call assistance (e.g., display set-up, training, IPM materials review) to specific stores (e.g., OSH, Home Depots).
- Provided print and web advertising <u>Chinook Coupon Book</u> (see back cover ad attached).
- Maintained Chinook Book mobile application (app) <u>OWOW mobile app</u> (see attached screen shots of Mobile Inline Content in the Chinook Book App).

Although effectiveness information need only be provided in the 2019 annual reports (C.9.g), below are some timely quantitative metrics provided by store partners:

- OSH reported sales in the less toxic and organic category were up 3-4% over the previous year.
- Home Depot reported:
 - o They increased their shelf space for less toxic products in their main product aisle by 20% over last year.
 - o They merchandized most of these products together in one bay in the main pesticide/garden aisle.
 - Scott's Miracle Gro increased the sales of their less toxic pesticide product line Nature's Care in Home Depot by 30-92%.

C.9.e.ii.(3) Outreach to Pest Control Professionals

This provision requires:

The Permittees shall conduct outreach to pest control operators, urging them to

promote IPM services to customers and to become IPM-certified by Ecowise Certified or a functionally-equivalent certification program. Permittees are encouraged to work with the Pesticide Applicators Professional Association; the California Association of Pest Control Advisors; DPR; county agricultural commissioners; UC-IPM; BASMAA; EcoWise Certified Program (or functionally equivalent certification program); Bio-integral Resource Center and others to promote IPM to pest control operators.

The annual reporting requirements are the same as for provision C.9.e.ii.(1) above.

In FY 15-16, BASMAA's Public Information/Participation Committee provided a vehicle for MRP Programs to share information on their efforts to outreach to pest control professionals, including presentations made by MRP Programs to local pest control professional association chapters.

BASMAA believes the most cost-effective way to "urge" pest control operators to promote IPM services to their customers and to become IPM-certified is to work with the Bay Area's own EcoWise Certified Program, which conducted such outreach and whose website now provides a focal point to both recruit new IPM providers and assist customers to find and hire companies and individuals who practice integrated pest management. BASMAA's Our Water, Our World website provides a link on its home page (http://ourwaterourworld.org/Quick-Links/Pest-Control-Operators-and-Landscapers) to the EcoWise Certified IPM Program.

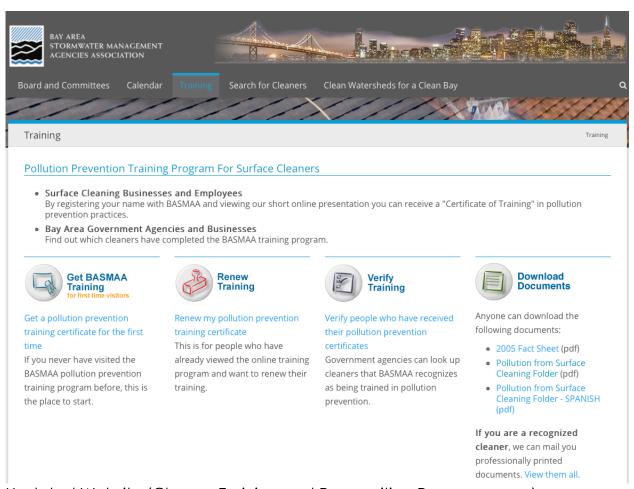
This year, BASMAA worked with the Bio-Integral Resource Center (BIRC) to conduct a major update of its EcoWise Certified Program online listing of IPM providers – contacting the listed companies and revising the listing to make it clearer which companies are EcoWise Certified (http://www.ecowisecertified.org/ecowise_find.html) ("Service Providers") vs. individuals (http://www.ecowisecertified.org/ecowise_find2.html) ("practitioners") who are EcoWise Certified but whose companies are not. In making that distinction, BASMAA and BIRC strongly encouraged companies to be become EcoWise Certified themselves, and structuring the online listings that way provides a constant encouragement to do so.

BASMAA followed up the update with a letter (attached) to the approximately 19 Bay Area companies (of about 30 listed statewide) that were not Certified IPM Service Providers but that had Certified IPM practitioners on staff noting their listing status and encouraging them to apply to become Certified IPM Service Providers.

Mobile Cleaner Training and Recognition Program



Updated Website (Home page)



Updated Website (Cleaner Training and Recognition Program page)

New Our Water, Our World graphic / display materials





Find effective, eco-friendly products

Look for this tag

Product Name

Eco-friendly
Less-toxic Product!

www.OurWaterOurWorld.org

Literature rack header signage



Literature rack side panel signage

New Our Water, Our World graphic / display materials (continued)

EFFECTIVE • ECO-FRIENDLY

Less Toxic Products



Manage Pests in Your Home and Garden

Amdro Kills Ants (bait stations) Bonide Boric Acid Roach Powder Caulk (for entry points EcoLogic Ant and Roach Killer EcoSmart Ant and Roach Killer Safer Brand Ant and Crawling Insect Killer Diatomaceous Earth Terro Ant Killer II Liquid Ant Baits

Biocare Aphid & Whitefly Traps Bonide All Seasons Horticultural and Dormant Spray Oil Bug Blaster (spray nozzle to hose off bugs) Dr. Earth Final Stop insecticides Horticultural oils (Bonide, Monterey, Summit) Insecticidal Soaps (such as Bayer Advanced Natria, Bonide, Garden Safe, Safer Brand) Ladybugs and lacewings Neem Oil (such as Bayer Advanced Natria, Bonide, Monterey) Safer Brand Yard and Garden Insect Killer

LOOK FOR THESE LESS-TOXIC PRODUCTS

Beneficial nematodes (Steinernema carpocapsae)

Flea Trans (Biocare Enforcer Victor) Ecology Works Dustmite and Flea Control Insecticidal Soaps (such as Bayer Advanced Natria, Bonide, Garden Safe, Miracle-Gro Nature's Care, Safer Brand; apply outdoors where pets lie)

WHERE PELD HEY Safer Brand Ant and Crawling Insect Killer Diatomaceous Earth St. Gabriel Organics Insect Dust Diatomaceous Earth

Bonide Mole Max Mole and Gopher Repellent Digger's Root Guard Gopher Baskets Gopher Scram Gopher traps
Uncle lan's Mole & Gopher, Deer, Rabbit &
Squirrel Repellent

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AzaMax

Azatrol Bonide All Seasons Horticultural and Dormant Spray Oil Bonide Captain Jack's Deadbug Brew

Ronide Mite-X Dr. Earth Final Stop insecticides Insecticidal Soaps (such as Bayer Advanced Natria, Bonide, Garden Safe, Miracle-Gro Nature's Care, Safer Brand)

Monterey 70% Neem Oil Monterey Horticultural Oil Miracle-Gro Nature's Care 3-in-1 Insect Disease and Mite Control

Bonide Mosquito Beater WSP (Plunks)

with Bti
Summit Mosquito Bits Summit Mosquito Dunks

Pollution Prevention Program (MCSTOPPP), San Rafael CA, with assistance from Ann Joseph Consultina.

Black Flag Roach Motel Bonide Boric Acid Roach Powder Caulk (for entry points) Combat Source Kill 5 bait station Safer Brand Ant and Crawling Insect Killer Diatomaceous Earth

St. Gabriel Organics Insect Dust Diatomaceous Farth

Bayer Advanced Natria Snail and Slug Killer Bait Bonide Slug Magic Corry's Slug and Snail Copper Tape Barrier Monterey Sluggo

Rescue W-H-Y Spray for Wasp, Hornet & Yellowiacket Nest Rescue W-H-Y Trans Rescue Yellowjacket Traps JT-1 Victor Yellowjacket Trap

Products may vary by location

MANAGE PESTS WITH EFFECTIVE, ECO-FRIENDLY PRODUCTS!

When you water your lawn or garden after using pesticides or fertilizer, polluted water can run off into storm drains and on to local creeks, lakes, bays, or the ocean. But-there are plenty of ways to keep pests away that don't

pollute, like using the less-toxic

products you'll find in this guide!

Our Water Our World is a

partnership between home and garden centers and local government agencies working together to reduce water pollution caused by pesticides. Look for Our Water Our World fact sheets on the literature

Look for this tag to find less-toxic products

Eco-friendly Less-toxic Product!



PLANTS THAT ATTRACT HELPFUL INSECTS AND BUTTERFLIES

Aster (Aster spp.) Baby blue eyes (Nemophila menziesii) Calendula (Calendula spp.)
California poppy (Eschscholzia californica)
California wild lilac (Ceanothus spp.) Chervil (Anthriscus cerefolium) Chrysanthemum (Chrysanthemum spp.) Coriander (Coriander sativum) Cosmos (Cosmos spp.) Coyote brush (Baccharis pilularis) Dill (Anethum araveolens) Elderberry (Sambucus spp.)

Fleabane (Erigeron spp.) Pincushion flower (Scabiosa columbaria) Rosemary (Rosmarinus officinalis) Rudbeckia (Rudbeckia spp.) Sticky monkey flower (Mimulus aurantiacus) Sunflower (Helianthus spp.) Sweet alyssum (Lobularia maritima) Wild buckwheat (Eriogonum spp.) Yarrow (Achillea millefolium) Zinnia (Zinnia spp.)

LESS TOXIC ACTIVE INGREDIENTS

Clarified hydrophobic extract of neem oil Iron phosphate Abamectin Ammoniated soaps of fatty acids Lemon eucalyptus oil Methoprene Azadirachtin Bacillus subtilis Bacillus thuringiensis Orthohoric acid isrealensi Paraffinic oil Borax and boric acid Canola oil Petroleum oil Picaridin Potassium bicarbonate Potassium soap (or salts) of fatty acids Pyrethrins Castor oil Citric acid Clove oil Corn gluten Cottonseed oil Rosemary oil D-Limonene Sesame oil Diatomaceous earth Eugenol

Sodium tetraborate decahydrate Hydramethlynon (ONLY use in containerized bait or gel form) Soybean oil Spinosad

MORE INFORMATION

Visit www.ourwaterourworld.org for more information, including:

Common pests and ways to manage them

without using toxic products

Photos and information about helpful bugs that eat pests, and the plants that attract them

Learn more about less-toxic pest control:

· To see photos and learn more about helpful insects, visit the Natural Enemies Gallery at the UC IPM website at www.ipm.ucdavis.edu/PMG/NE/index.html

Contact your local Agricultural Extension Office for help identifying and managing pests.

GETTING RID OF UNWANTED PRODUCTS

Take pest control products you don't want to a household hazardous waste collection site. To find a site near you, go to **search.earth911.com** and type

Product Name



Product Guide – Generic (above) and Home Depot versions (below)

Less Toxic Products



Amdro Kills Ants (bait stations) Caulk (for entry points)
Dr. Earth Pest Control Killer Spray
EcoLogic Ant and Roach Killer EcoLogic Home Insect Control Raid Ant Baits III Safer Brand Ant and Crawling Insect Killer Diatomaceous Earth Terro Ant Killer II Liquid Ant Baits Time Out for Roaches and Ants

hids and Whiteflies

Bonide All Seasons Horticultural and Dormant Spray Oil Dormant Spray UII
Bonide Rose RX 3-in-1
Dr. Earth Final Stop Vegetable Garden Insect
Ladybugs (order from Home Depot online)
Miracle-Gro Nature's Care Insecticidal Soap
Miracle-Gro Nature's Care 3-in-1 Insect
Disease and Mire Control
Miracle-Gro Nature's Care Garden Insect Control
Chtbo Insect Mira and Diseas-ain. Ortho Insect, Mite and Disease 3-in-1 Organic Labs Organocide 3-in-1 Garden Spray Southern Ag Triple Action Neem Oil

Beneficial nematodes (Steinernema feltiae, Steinernema glaseri)
EcoLogic Lawn and Yard Insect Killer Hot Shot Bed Bug and Flea Killer Powder Miracle-Gro Nature's Care Insecticidal Soap (apply outdoors where pets lie) Safer Brand Ant and Crawling Insect Killer Diatomaceous Earth Victor Ultimate Flea Trap (monitoring tool)

Gophers and Moles

Bonide Mole Max Mole and Gopher Repellent Diggers Root Guard Gopher Baskets Gopher Traps Tomcat Mole & Gopher Repellent Uncle lan's Mole & Gopher, Deer, Rabbit & Squirrel Repellent

LOOK FOR THESE LESS-TOXIC PRODUCTS

Bonide All Seasons Horticultural and Dormant Spray Oil Bonide Citrus, Fruit & Nut Orchard Spray Bonide Captain Jack's Deadbug Brew Ronide Rose RX 3-in-1 Dr. Earth Final Stop insecticides Miracle-Gro Nature's Care Insecticidal Soap Miracle-Gro Nature's Care 3-in-1 Insect, Disease and Mite Control Ortho Insect Killer Tree and Shrub Concentrate Ortho Insect, Mite & Disease 3-in 1

Summit Mosquito Dunks

Southern AG Triple Action Neem Oil

Black Flag Roach Motel EcoLogic Ant and Roach Killer EcoLogic Home Insect Control Harris Famous Roach Tablets Hot Shot Max Attrax Roach Killing Powder Safer Brand Ant and Crawling Insect Diatomaceous Earth Time Out for Roaches and Ants

Snails and Slug

Miracle-Gro Nature's Care Slug and Snail Killer Monterey Sluggo

Rescue W-H-Y Trap for Wasps, Hornets, & Yellowjackets Rescue W-H-Y Trap Attractant Rescue Yellowjacket Trap JT-1 Rescue Disposable Yellowjacket Trap Rescue Yellowjacket Trap Attractant

Products may vary by location

MANAGE PESTS WITH EFFECTIVE, ECO-FRIENDLY PRODUCTS!

When you water a lawn or garden after using pesticides or fertilizer, polluted water can run off into storm drains and on to local creeks, lakes, bays, or the ocean. But there are plenty of ways to keep pests away that don't pollute, like using the less-toxic products you'll find in this guide!

Our Water Our World is a stores and local governmen agencies, working together to reduce water pollution caused by pesticides. The **Our Water Our World** literature stand has a wide selection of fact sheets that explain less toxic ways to manage common pests.

This pocket guide highlights Home Depot products that are less toxic to people, pets, and the environment. For a longer list and more information.

PLANTS THAT ATTRACT HELPFUL INSECTS AND BUTTERFLIES

Baby blue eyes (Nemophila menziesii) Calendula (Calendula spp.) California poppy (Eschscholzia californica) California wild lilac (Ceanothus spp.) Chervil (Anthriscus cerefolium) Chrysanthemum (Chrysanthemum spp.) Coriander (Coriander sativum) Cosmos (Cosmos spp.) Coyote brush (Baccharis pilularis) Dill (Anethum graveolens) Elderberry (Sambucus spp.) Fleabane (Erigeron spp.) Pincushion flower (Scabiosa columbaria) Rosemary (Rosmarinus officinalis) Rudbeckia (Rudbeckia spp.) Sticky monkey flower (Mimulus aurantiacus)
Sunflower (Helianthus spp.) Sweet alyssum (Lobularia maritima)

Active ingredients are listed on the front of

Abamectin Clarified hydrophobio extract of neem oil Ammoniated soap of fatty acid Iron phosphate Lemon eucalyptus oil Methoprene Orthoboric acid Azadirachtin Bacillus subtilis Bacillus thuringiensi Paraffinic oil isrealensis Borax and boric acid Picaridin Potassium bicarbonate
Potassium soap (or salts)
of fatty acids
Pyrethrins Canola oil Castor oil Citric acid Clove oil Corn aluten Rosemary oil Sesame oil
Sodium tetraborate
decahydrate Cottonseed oil D-Limonene Diatomaceous earth Soybean oil Eugenol Hydramethlynon (ONLY Spinosad use in containeri bait or gel form) Thyme oil

- Visit www.ourwaterourworld.org for more
- Common pests and ways to manage them without using toxic products

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Take pest control products you don't want to a household hazardous waste collection site. To find a site near you, go to search.earth911.com and type 'pesticides' and your zip code into the search fields.

Look for this tag to find less-toxic products



Eco-friendly Less-toxic Product!



Aster (Aster spp.)

Wild buckwheat (Eriogonum spp.) Yarrow (Achillea millefolium) 7innia (7innia snn.)

New Our Water, Our World graphic / display materials (continued)

EFFECTIVE • ECO-FRIENDLY Less Toxic Products የ wo^v Orchard Manage Pests in Your Home and Garden

Amdro Kills Ants (bait stations) Dr. Earth Final Stop Pest Control Killer Spray Bonide Boric Acid Roach Powder

Bonide Boric Acid Noach Powder Caulk (for entry points) Orange Guard Safer Brand Ant and Roach Killer Safer Brand Ant and Crawling Insect Killer Diatomaceous Earth Terro Ant Killer II Liquid Ant Baits

Biocare Aphid & Whitefly Traps BIOCATE APHIOL & Whitefly Traps
Bonide All Seasons Horticultural and
Dormant Spray Oil
Bonide Insecticidal Soap for Houseplants
Bonide Mite-X
Bonide Neem Oil
Dr. Farth Final Charlescopic Control of the Dr. Earth Final Stop insecticides Ladybugs and lacewings Orchard Insecticidal Soap

Orchard Insecticidal Soap
Orchard 3-in-1 Rose and Flower with Neem Oil
Orchard 3-in-1 Tomato and Vegetable with
Neem Oil

Organic Labs Organocide 3-in-1 Garden Spray Safer Brand Insect Killing Soap

LOOK FOR THESE LESS-TOXIC PRODUCTS

Beneficial nematodes (Steinernema carpocapsae) Biocare Flea Traps Dr. Earth Final Stop Yard and Garden

Orchard Insect Killing Soap (apply outdoors where pets lie) Safer Brand Ant and Crawling Insect Killer Diatomaceous Earth

Safer Brand Insect Killing Soan (apply outdoors where pets lie)

nhors and Molos

Bonide Mole Max Mole and Gopher Repellent Bonide Gopher Max Repellent Gonzo Gopher Shield (barrier net) Gopher Traps Tomcat Mole Trap

Mites
Bayer Advanced Natria Insect, Disease and
Mite Control
Bonide All Seasons Horticultural and
Dormant Spray Oil Bonide Captain Jack's Deadbug Brew Bonide Mite-X

Bonide Sulfur Dr. Earth Final Stop Insecticides Orchard Insecticidal Soap Orchard Rose and Flower Insect Spray

Safer Brand Insect Killing Soap

Bonide Mosquito Beater WSP (Plunks) with Bti

Cockroaches Biocare Roach Trap

Black Flag Roach Motel Bonide Boric Acid Roach Powder Safer Brand Ant and Roach Killer Safer Brand Ant and Crawling Insect Killer Diatomaceous Earth

Pollution Prevention Program (MCSTOPPP), San Rafael CA, with assistance from Ann Joseph Consultina.

Snails and Slugs Bonide Bug and Slug Killer Corry's Slug and Snail Copper Tape Barrier Orchard Slug and Snail Killer (jug) Monterey Sluggo Monterey Sluggo Plus

Rescue Decorative Yellowiacket Traps Rescue Decorative Yellowjacket Traps Rescue Disposable Yellowjacket Trap Rescue W-H-Y Spray for Wasp, Hornet & Yellowjacket Nests Rescue W-H-Y Traps for Wasps, Hornets & Yellowjackets Rescue W-H-Y Trap Attractant Rescue Yellowjacket Traps

Rescue Yellowjacket Trap Attractant

Products may vary by location

MANAGE PESTS WITH EFFECTIVE, ECO-FRIENDLY PRODUCTS!

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agencies, working together to reduce water pollution caused by pesticides. The Our Water Our World literature stand has a wide selection of fact sheets that explain less toxic ways to manage common pests.

This pocket quide highlights OSH products that are less toxic to people, pets, and the environment. For a longer list and more information, visit www.ourwaterourworld.org.

© Convright 2016 Bay Area Stormwater Management Agencies Assu PLANTS THAT ATTRACT HELPFUL INSECTS AND BUTTERFLIES

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California poppy (Eschscholzia californica)
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Rosemary (Rosmarinus officinalis) Rudbeckia (Rudbeckia spp.) Sticky monkey flower (Mimulus aurantiacus) Sunflower (Helianthus spp.) Sweet alyssum (Lobularia maritima) Wild buckwheat (Eriogonum spp.) Yarrow (Achillea millefolium) Zinnia (Zinnia spp.)

Clarified hydrophobic extract of neem oil Iron phosphate Abamectin Ammoniated soap of fatty acids Lemon eucalyptus oil Methoprene Azadirachtin Bacillus subtilis Bacillus thuringiensis Orthoboric acid Paraffinic oil Borax and boric acid Canola oil Picaridin Potassium bicarbonate Castor oil Potassium soap (or salts) of fatty acids Citric acid Clove oil Corn gluten Pyrethrins Rosemary oil Cottonseed oil Sesame oil

D-Limonene Sodium tetraborate decahydrate Diatomaceous earth Eugenol Sovbean oil Hydramethlynon (ONLY use in containerized bait or gel form)

MORE INFORMATION

Visit www.ourwaterourworld.org for more information, including:

- Common pests and ways to manage them
- without using toxic products Photos and information about helpful bugs that eat pests, and the plants that attract them

Learn more about less-toxic pest control:

- · To see photos and learn more about helpful insects, visit the Natural Enemies Gallery at the UC IPM website at www.ipm.ucdavis.edu/PMG/NE/index.html
- Contact your local Agricultural Extension Office for help identifying and managing pests.

GETTING RID OF UNWANTED PRODUCTS

Take pest control products you don't want to a household hazardous waste collection site. To find a site near you, go to **search.earth911.com** and type

Look for this tag to find less-toxic products



Less-toxic Product!



Product Guide (OSH)

FREE! Take One

EFFECTIVE • ECO-FRIENDLY Less Toxic Products



Manage Pests in Your Home and Garden

Less Toxic Products



Manage Pests in Your Home and Garden

EFFECTIVE • ECO-FRIENDLY

Less Toxic Products



Manage Pests in Your Home and Garden

EFFECTIVE • ECO-FRIENDLY

Less Toxic Products



Manage Pests in Your Home and Garden

Product Guide dispenser (with Product Guides in pockets)

New Our Water, Our World graphic / display materials (continued)



Aisle signage

For information on:

- · Less-toxic pest management
- Employee trainings
- Product selection and sources
- Public workshops

Ann Joseph

IPM Advocates Coordinator

(707) 373-9611

anniejoseph@ix.netcom.com

The *Our Water Our World* program promotes less toxic pest management and is a partnership with local water pollution prevention agencies.



Business Cards (example)

CONTROLLING IN YOUR HOME

CONTROL ANTS IN YOUR HOME WITH THESE ECO-FRIENDLY PRODUCTS	
Baits containing borates	Amdro Kills Ants Ant Killer (liquid ant bait), KM Ant Pro ant bait delivery system, Terro Ant Killer II Liquid Ant Bait Station (pre-filled bait stations)
Containerized baits containing hydramethylnon	Amdro Kills Ants Ant Killing Bait (bait stations), Combat Source Kill 4 Ant Bait Stations (use only in enclosed bait stations)
Desiccating dust containing diatomaceous earth (DE)	Concern Diatomaceous Earth Crawling Insect Killer, Safer Brand Ant and Crawling Insect Killer—Diatomaceous Earth, St. Gabriel Organics Diatomaceous Earth Insect Dust
Applicator for diatomaceous earth (DE)	Pest Pistol
Plant-based insecticides	EcoLogic Ant and Roach Killer, Ecosmart Ant and Roach Killer, Orange Guard
Hose attachment	Bug Blaster
Sticky barrier	Stikem Special pest glue, Tree Tanglefoot Insect Barrier

Argentine ants are frequent invaders in California homes. They are tiny (1/8 inch). They come inside a few at a time at first (the scouts), and then in long lines, following scent trails to a food source.

A QUICK FIX FOR AN ANT EMERGENCY

If you deal with ants when they first come inside, a few simple steps can take care of the problem.

- 1. Find what ants are after (usually leftover food) and where they are entering the room (usually through a crack in the wall). Mark the spot so you can find it again. If you can't find an entry point, see Step 4.
- 2. Spray lines of ants with soapy water and wipe up with a sponge, and clean up any food or spills.
- 3. Next, block entry points temporarily with a smear of petroleum jelly or a piece of tape.
- 4. If you can't find an entry point, clean up the ants (Step 2). Place a bait station in an out-of-the-way spot on the line the ants have been following. Remember to remove the bait station when the line of ants has disappeared so you don't attract more ants into the house. (See *Tips for Using Ant Baits*.)

While they can be pests , ants are helpful creatures, especially outside . Ants kill and eat many pest insects, help to aerate soil, and recycle animal and vegetable material. This is good news, because it's probably not possible to eliminate ants from their outdoor habitat. The best way to manage an ant invasion is to keep them outside.

KEEP ANTS AWAY

- Store food in the refrigerator, or in containers that seal tightly.
- Keep things clean and dry, and fix leaking faucets and pipes (ants come in to find water as well as food).





Choose eco-friendly products for your home and garden. Look for this symbol before you buy.

Fact sheets – Ants (example front)

New Our Water, Our World graphic / display materials (continued)

- · Weather-strip doors and windows.
- Put pet dishes in a soapy moat—partially fill a wide, shallow container with soapy water and place pet bowls in the water.
- Use silicone caulk to permanently close holes in walls, cracks along moldings and baseboards, and gaps around pipes and ducts to keep ants outside.
- Use a hand duster, such as Pest Pistol, to apply desiccating dust such as



diatomaceous earth (DE) in wall openings and cracks before sealing. DE kills insects by absorbing their outer waxy coating, causing dehydration and death. It has little toxicity to humans or pets but inhaling it can cause respiratory problems, so wear a dust mask and goggles when applying. Be sure to buy food-grade DE, not DE for pool filters.

OUTDOORS

- Follow indoor ant trails back to the spot where ants come in from outside, and place enclosed bait stations there
- Caulk cracks where ants are entering the house.
- Ants are attracted to the sweet, sticky honeydew made by aphids, whiteflies, and scale insects. Use sticky barriers around the trunk of a tree or bush to keep ants away while you deal with the source of the honeydew. Prune any



branches that touch walls, fences, or the ground so ants cannot get around the barrier.

ANTS IN YOUR PLANTS?

If ants are nesting in a pott ed houseplant, move it out doors. Water it thoroughly and place the pot in a bucket filled with water that comes an inch below the rim of the pot. Use a stick to make a bridge for ants to get out of the pot and the bucket without getting in the water. The ants will soon begin carrying their white-colored young to safety. When no more ants emerge, drain the pot and r eturn it to the house.

TIPS FOR USING ANT BAITS

Baits use a minimum of insecticide and confine it to a very small area. Ants carry small quantities of bait back to the nest to share, which can reduce the local ant population.

- Use baits with active ingredients borate or hydramethylnon. Bait stations with hydramethylnon should be enclosed.
- Argentine ants change their food preferences frequently. If one bait is not working, try another type.
 Wait at least a day to see if ants take the bait.
- Do not spray insecticide around the bait; it will repel the ants.
- Baits may take several weeks to kill the ants. At first you may see more ants coming to the bait, but after a few days to a week you should see many fewer ants.
- When ants are gone, remove the bait so you don't attract more ants. Return enclosed bait stations to the original box to save and use again. Put the box inside a plastic bag, seal it with a twist-tie, and store away from children and pets.



WWW.OURWATEROURWORLD.ORG

Common home and garden pesticides are found in stormwater runoff, treated wastewater, and in local waterways, sometimes at levels that can harm sensitive aquatic life. **Our Water Our World** is a joint effort by water pollution prevention agencies, participating retail stores, and pesticide distributors and manufacturers—working together to reduce the risks associated with pesticide use.

Our Water Our World fact sheets and store displays educate residents about less-toxic pest management. For the rest of the series of fact sheets, visit www.OurWaterOurWorld.org. Look for the Less Toxic • Eco-friendly tag next to less-toxic products in participating stores and nurseries. See the Pesticides and Water Pollution fact sheet for information on active ingredients in common pesticides that may cause water quality problems.

Pest control strategies and methods described in this publication are consistent with integrated pest management (IPM) concepts, and are based on scientific studies and tests in actual home and garden settings. Use suggested products according to label directions and dispose of unwanted or leftover pesticides at a household hazardous waste collection facility or event. For more information on pesticide disposal, visit www.earth911.com. No endorsement of specific brand name products is intended, nor is criticism implied of similar products that are not mentioned.

For more information, contact:

Bio-Integral Resource Center (BIRC), 510.524.2567, www.birc.org University of California Cooperative Extension Master Gardeners in your area University of California IPM website, www.ipm.ucdavis.edu

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March 2016



Attachments Photos from trade shows

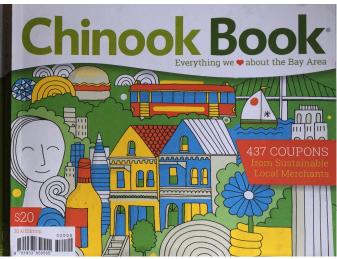


Presentation to attendees



Trade show booth





Save Our Water

We are in a historic drought; 2014 was the driest year on record for many parts of California. Here are a few ways you can help conserve our limited water supply from **Save our Water**. Visit saveourwater.com to learn more.

- **Collect the water you use** while rinsing fruit and vegetables. Use it to water house plants.
- Use the garbage disposal sparingly. Instead, compost vegetable food waste and save gallons every time.
- Install aerators on the kitchen faucet to reduce flows to less than one gallon per minute.
- Take five-minute showers instead of ten-minute showers. Save: 12.5 gallons with a low flow showerhead and 25 gallons with a standard 5 gallon/minute showerhead.
- Use the washing machine for full loads only to save water and energy. Install a water-efficient clothes washer. Save: 16 gallons/load.
- Wash cars and boats with a bucket, sponge and hose with selfclosing nozzle. Save: 8-18 gallons/minute.
- Turn off the water while washing your hair. Save: up to 150 gallons/month.
- Choose a water-efficient irrigation system such as drip irrigation for your trees, shrubs and flowers. Remember to turn it off when it rains. Save: 15 gallons each time you water.
- Plant drought-resistant trees and plants. Save: 30-60 gallons each time you water 1,000 sq. ft.
- Water early in the morning or later in the evening when temperatures are cooler. Save: 25 gallons each time you water.

Chinook Book

HOME & GARDEN

What we



Green tips from Shaun Beall, Vice President and California Market Director

Put a layer of mulch around trees and plants to reduce evaporation and keep the soil cool. Organic mulch also improves the soil and prevents weeds. You'll save 20-30 gallons each time you water 1,000 sq. ft.

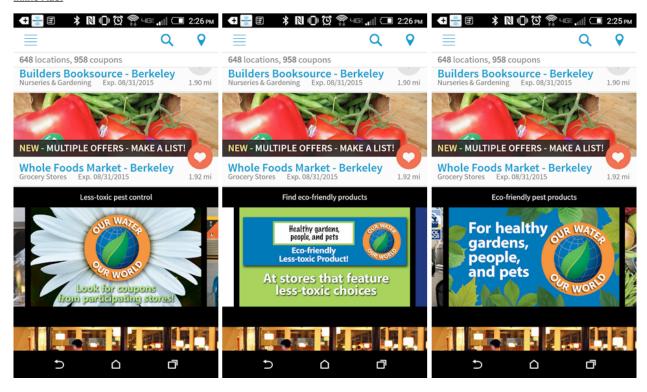


OurWaterOurWorld.org

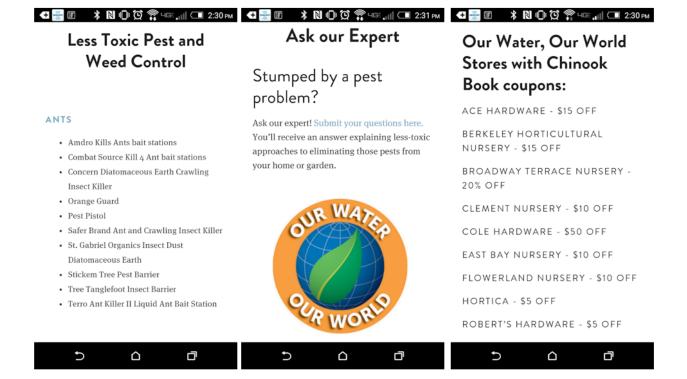
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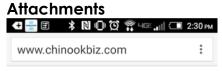
Screen shots of Mobile Inline Content in the Chinook Book App

Inline Ads:



Article Content (all these pages are linked together, but only showed the top content of each page here)

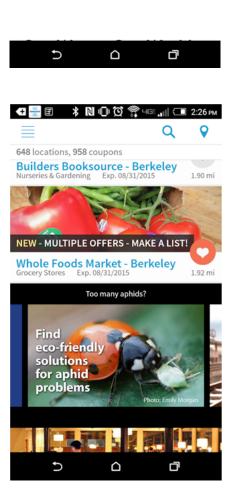




Find Less Toxic Products

Look for this shelf tag before you buy:





Attachments 中量日 * N 心質常味 山 二 2:30 pm

About Our Water Our World



Our Water Our World is a publicly supported program that educates California residents



Outreach to Pest Control Professionals

Letter to pest control companies with EcoWise Certified IPM practitioner employees



Alameda Countywide Clean Water Program

Contra Costa Clean Water Program

Fairfield-Suisun Urban Runoff Management Program

Marin County Stormwater Pollution Prevention Program

Napa County Stormwater Pollution Prevention Program

San Mateo Countywide Water Pollution Prevention Program

Santa Clara Valley Urban Runoff Pollution Prevention Program

Sonoma County Water Agency

Vallejo Sanitation and Flood Control District

Bay Area

Stormwater Management

Agencies Association

P.O. Box 2385

Menlo Park, CA 94026

510.622.2326

info@basmaa.org

Subject: Becoming an EcoWise Certified IPM Service Provider

Dear Pest Management Company:

I am writing to you because one or more of your pest management professionals has received EcoWise certification as a qualified practitioner of integrated pest management (IPM). The Bay Area Stormwater Management Agencies Association (BASMAA) encourages your company to raise its status in the EcoWise Certified Program—to become an EcoWise Certified IPM Service Provider.

BASMAA, a Bay Area-wide non-profit organization comprised of our region's municipal stormwater programs, would like to promote your business, as an EcoWise certified company, to Bay Area customers. We represent 100 agencies, including 85 cities and towns, 8 counties, and 7 special districts, all working together to improve the quality of stormwater flowing to our local creeks, the Delta, San Francisco Bay, and the Pacific Ocean. Pesticide pollution in Bay Area waterways, caused by use of pesticides around homes and businesses in urban and suburban areas is a key problem that agencies must address. The EcoWise Certified Program gives us an opportunity to direct people to certified businesses that customers can count on to provide less toxic pest control services.

As you may know, the Bio-Integral Resource Center (BIRC), which administers the EcoWise Certified Program, has revised the online listing of IPM providers so that the distinction between companies that have received Eco Wise certification, and individuals that have received the EcoWise certification is clearer (see attached screen shots of web pages):

- EcoWise Certified Service Providers companies (http://www.ecowisecertified.org/ecowise_find.html)
- EcoWise Certified practitioners individuals (http://www.ecowisecertified.org/ecowise_find2.html)

We want your company's name to appear on the EcoWise Certified Service Providers list. Our member agencies promote the EcoWise Certified Program locally and through BASMAA's *Our Water, Our World* website (http://ourwaterourworld.org/Quick-Links/Pest-Control-Operators-and-Landscapers). We encourage you to visit http://www.ecowisecertified.org/ecowise_cert_summary.html to find out how your company can become EcoWise Certified.

Thank you for your consideration of this opportunity. Please contact me (info@basmaa.org) or BIRC (BIRC@igc.org) with any questions.

Sincerely,

/ / / /

Geoff Brosseau, BASMAA Executive Director

About EcoWise

Who We Are

EcoWise Standards

Guiding Principles download as pdf (1 p.)

Steps to be Certified (21 pp. pdf)

Quick Summary of Steps download as pdf (2 pp.)

Application Forms

Sample Practice Exam (2 pp.)

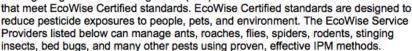
> Exam Study Guide (28 pp.)

IPM Service Forms

Materials Criteria/Examples (download pdf - 8 pp.)

EcoWise Certified IPM Service Providers

EcoWise Certified IPM Service Providers must demonstrate through a rigorous program of testing, service record reviews, and field audits that they are offering Integrated Pest Management (IPM) services



Note: EcoWise Certification does not cover termites or other wood destroying organisms.

Be sure to mention EcoWise certification and ask for EcoWise Certified IPM services when you call!

San Francisco Bay Area and Northern California

Screen shot of top of EcoWise Certified IPM Service Providers web page



About EcoWise

Who We Are

EcoWise Standards

Guiding Principles download as pdf (1 p.)

Steps to be Certified (21 pp. pdf)

Quick Summary of Steps download as pdf (2 pp.)

EcoWise Certified IPM practitioners

We also certify individual professionals, who may work for companies that have not completed EcoWise company certification.



When you call these companies, be sure to request services from a certified practitioner listed below, and ask the company to apply for EcoWise certification!

Screen shot of top of EcoWise Certified IPM practitioners web page

Companies with EcoWise Certified IPM practitioners

Alert Pest Control 182 School Street Daly City, CA 94014

Best Pest Solutions 1547 Palos Verde Mall, Suite 408 Walnut Creek, CA 94597

Bio-Pest 427 Aaron Street, Suite E Cotati, CA 97431

Crown And Shield Exterminators PO Box 4897 Petaluma, CA 94955

Donovan's Pest Control PO Box 6910 San Mateo, CA 94403

Genesis Building Services 916 S. Claremont St. San Mateo, CA 94402

Killroy Pest Control (Sensitive Solutions) 1175 Dell Avenue Campbell, CA 95008

Leading Edge Pest Control 1250 Contra Costa Blvd., Suite 201 Pleasant Hill, CA 94523

Marina Pest Control 150 South Spruce St. South San Francisco, CA 94080

Orkin Pest Control 3095 Independence Dr., Suite C Livermore, CA 94551

Orkin Pest Control 377 Oyster Point Blvd., Suite 13 South San Francisco, CA 94080

Companies with EcoWise Certified IPM practitioners

Pestec San Jose 888 N. First St., Suite G San Jose, CA 95112

Pest Protection Services 2829 Stamm Drive Antioch, CA 94509

Sensitive Solutions 1175 Dell Avenue Campbell, CA 95008

Terminix International 32980 Alvarado Niles Road, Suite 826 Union City, CA 94587

Western Exterminator Company 1320 Marsten Road, Suite D Burlingame, CA 94010

Western Exterminator Company 3481 Arden Road Hayward, CA 94545

Western Exterminator Company 30 A Pamaron Way Novato, CA 94949

Western Exterminator Company 901 76th Avenue Oakland, CA 94621