Annual Reporting for FY 2015-2016

Training and Outreach

San Francisco Bay Area
Small MS4 Permit Implementation

October 2016
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Mobile Cleaning Training and Recognition Program

- Screen shots of Updated Website

Our Water, Our World Program

- 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
Introduction

This report provides information on regionally implemented activities complying with portions of the Small Municipal Separate Storm Sewer System (MS4) Phase II Permit issued by the State Water Resources Control Board (Water Board). The Phase II Permit covers stormwater discharges from 23 municipalities and special districts (Permittees) in the North San Francisco Bay Area. In June 2014, the Bay Area Stormwater Management Agencies Association (BASMAA) sent a letter to the San Francisco Bay Regional Water Quality Control Board’s Executive Officer on behalf of the Region 2 Phase II Permittees. The letter indicated that the Phase II Permittees would fulfill the outreach and education requirements within their jurisdictional boundaries through a combination of options including contributing to a regional effort through BASMAA. This report covers training and outreach activities implemented by BASMAA related to the following Phase II Permit provisions:

E.7.a.(ii)(c) and F.5.b.2.(ii)(c) Develop and convey a specific stormwater message that focuses on the following:
   1) Local pollutants of concern
   2) Target audience
   3) Regional water quality issues

E.7.a.(ii)(d) and F.5.b.2.(ii)(d) Develop and disseminate appropriate educational materials to target audiences and translate into applicable languages when appropriate (e.g. the materials can utilize various media such as printed materials, billboard and mass transit advertisements, signage at select locations, stenciling at storm drain inlets, radio advertisements, television advertisements, and websites);

E.7.a.(ii)(f) and F.5.b.2.(ii)(e) Distribute the educational materials, using whichever methods and procedures determined appropriate during development of the public education strategy;

E.7.a.(ii)(g) and F.5.b.2.(ii)(f) Convey messages to explain the benefits of water-efficient and storm water-friendly landscaping, using existing information if available;

E.7.a.(ii)(i) and F.5.b.2.(ii)(i) Develop and convey messages specific to proper application of pesticides, herbicides, and fertilizers;

E.7.a.(ii)(j) and F.5.b.2.(ii)(j) Within the Permittee’s jurisdiction, provide independent, parochial, and public schools with materials to effectively educate school-age children about storm water runoff and how they can help protect water quality habitat in their local watershed(s);

E.7.a.(ii)(k) and F.5.b.2.(ii)(k) Develop (or coordinate with existing, effective programs) and convey messages specific to reducing discharges from pressure washing operations, and landscape irrigation and for E.7.a.(iii)(k) only, organized car washes and mobile cleaning.
E.7.a.(ii)(l) and F.5.b.2.(ii)(l)  Conduct storm water-friendly education for organized car wash participants and provide information pertaining to car wash discharge reduction.

E.7.a.(ii)(m) Develop and convey messages specific to mobile cleaning and pressure wash businesses.

E.15.d Diazinon Total Maximum Daily Load TMDL: Conduct outreach to residents and pest control applicators on less toxic methods of pest control (requirement applies only to cities, towns and counties named in the TMDL and/or in Attachment G of the Phase II Permit);

One or more of the following three regional programs or projects conducted by BASMAA addresses the following Permit provisions.

<table>
<thead>
<tr>
<th>Provision</th>
<th>Mobile Cleaner Training and Recognition Program</th>
<th>BayWise Website</th>
<th>Our Water, Our World Program</th>
</tr>
</thead>
<tbody>
<tr>
<td>E.7.a.(ii)(c) F.5.b.2.(ii)(c)</td>
<td></td>
<td>X</td>
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</tr>
<tr>
<td>E.7.a.(ii)(d) F.5.b.2.(ii)(d)</td>
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<tr>
<td>E.7.a.(ii)(f) F.5.b.2.(ii)(e)</td>
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<tr>
<td>E.7.a.(ii)(g) F.5.b.2.(ii)(f)</td>
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<td>E.7.a.(ii)(j) F.5.b.2.(ii)(j)</td>
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<td>E.7.a.(ii)(k) F.5.b.2.(ii)(k)</td>
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<td>E.7.a.(ii)(l) F.5.b.2.(ii)(l)</td>
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<td>E.7.a.(ii)(m)</td>
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<td>X</td>
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<tr>
<td>E.15.d</td>
<td></td>
<td>X</td>
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</tr>
</tbody>
</table>

These regionally implemented activities are conducted under the auspices of BASMAA, a 501(c)(3) non-profit organization comprised of the municipal stormwater programs in the San Francisco Bay Area, including the Permittees. Most of the 2015-2016 annual reporting requirements of the specific Permit provisions covered in this report are completely met by BASMAA projects and programs, except where otherwise noted herein or by Permittees in their reports. Development and implementation of scopes, budgets, and schedules for BASMAA projects and programs follow BASMAA’s operational Policies and Procedures as approved by the BASMAA Board of Directors.
Permittees, through their program representatives on the Board of Directors and its committees, collaboratively authorize and participate in BASMAA projects and programs. All BASMAA members have shared in the regional costs of the projects and programs described herein.

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**Mobile Cleaning Training and Recognition Program**

This program addresses the following Phase II Permit provisions:

E.7.a.(ii)(k) and F.5.b.2.(ii)(k) Develop (or coordinate with existing, effective programs) and convey messages specific to reducing discharges from pressure washing operations, and landscape irrigation and for E.7.a.(ii)(k) only, organized car washes and mobile cleaning.

E.7.a.(ii)(l) and F.5.b.2.(ii)(l) Conduct storm water-friendly education for organized car wash participants and provide information pertaining to car wash discharge reduction.

E.7.a.(ii)(m) Develop and convey messages specific to mobile cleaning and pressure wash businesses.

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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.
1. 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 BASMAAA 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.

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**BayWise Website**

This project addresses the following Small MS4 Phase II Permit provisions:

E.7.a.(ii)(c) and F.5.b.2.(ii)(c) Develop and convey a specific stormwater message that focuses on the following:

1) Local pollutants of concern
2) Target audience
3) Regional water quality issues

E.7.a.(ii)(d) and F.5.b.2.(ii)(d) Develop and disseminate appropriate educational materials to target audiences and translate into applicable languages when appropriate (e.g. the materials can utilize various media such as printed materials, billboard and mass transit advertisements, signage at select locations, stenciling at storm drain inlets, radio advertisements, television advertisements, and websites);

E.7.a.(ii)(l) and F.5.b.2.(ii)(l) Conduct storm water-friendly education for organized car wash participants and provide information pertaining to car wash discharge reduction.

E.15.d Diazinon TMDL: Conduct outreach to residents and pest control applicators on less toxic methods of pest control (requirement applies only to cities, towns and counties named in the TMDL and/or in Attachment G of the Phase II Permit);
BASMAA assists with these provisions by collaborating with Bay Area wastewater agencies to maintain the BayWise website. [BayWise.org](http://BayWise.org) is designed to educate Bay Area residents and businesses about simple, cost-effective ways to protect San Francisco Bay by preventing pollution at the source. The website provides educational messages on topics such as less toxic pest management, stormwater-friendly car washing and pool and spa maintenance, marina and boatyard resources, and proper restaurant grease management.

### Our Water, Our World Program

The *Our Water, Our World* program: addresses the following Small MS4 Permit provisions:

E.7.a.(ii)(c) and F.5.b.2(ii)(c) Develop and convey a specific stormwater message that focuses on the following:
   1. Local pollutants of concern
   2. Target audience
   3. Regional water quality issues

E.7.a.(ii)(d) and F.5.b.2(ii)(d) Develop and disseminate appropriate educational materials to target audiences and translate into applicable languages when appropriate (e.g. the materials can utilize various media such as printed materials, billboard and mass transit advertisements, signage at select locations, stenciling at storm drain inlets, radio advertisements, television advertisements, and websites);

E.7.a.(ii)(f) and F.5.b.2(ii)(e) Distribute the educational materials, using whichever methods and procedures determined appropriate during development of the public education strategy;

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E.7.a.(ii)(i) and F.5.b.2(ii)(i) Develop and convey messages specific to proper application of pesticides, herbicides, and fertilizers;

E.7.a.(ii)(j) and F.5.b.2(ii)(j) Within the Permittee’s jurisdiction, provide independent, parochial, and public schools with materials to effectively educate school–age children about storm water runoff and how they can help protect water quality habitat in their local watershed(s).

E.15.d Diazinon Total Maximum Daily Load TMDL: Conduct outreach to residents and pest control applicators on less toxic methods of pest control (requirement applies only to cities, towns and counties named in the TMDL and/or in Attachment G of the Phase II Permit).

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

for FY 2015-2016.

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


- Maintained Our Water, Our World website.

- Provided Ask-the-Expert 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 – Chinook Coupon Book (see back cover ad attached).

- Maintained Chinook Book mobile application (app) – OWOW mobile app (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.

October 15, 2016
• 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.
  o Scott’s Miracle Gro increased the sales of their less toxic pesticide product line Nature’s Care in Home Depot by 30-92%.
Attachments

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

![Logo](image)

**FOR HEALTHY GARDENS, PEOPLE, AND PETS**

**Find effective, eco-friendly products**

Look for this tag

**Eco-friendly Less-toxic Product!**

www.OurWaterOurWorld.org

**Healthy gardens, people, and pets**

Shelf tag

Literature rack header signage

Literature rack side panel signage
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, 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!

Look for this tag to find less-toxic products

Product Name

**Ants**
- Amdro Ants (Bait stations)
- Bonide Boric Acid Powder
- Caulk (for entry points)
- Rolf Bayer (spray nozzles to hose off bugs)

**Aphids and Whiteflies**
- Bonnie Aghted & Whitefly Traps
- Bonide All Seasons Horticultural and Dormant Spray Oil
- Southern AG Triple Action Neem Oil
- Monterey 70% Neem Oil

**Flies**
- Beneficial nematodes (Steinernema carpocapsae)
- Diafarm Biopesticides (Bacillus thuringiensis)
- Corn gluten meal
- Bacillus thuringiensis

**Mites**
- Azalan
- Azatrol
- Alion All Season Horticultural and Dormant Spray Oil
- Monterey Horticultural Oil

**Time Out for Roaches and Ants**
- Amdro Kills Ants (bait stations)
- Bonide Boric Acid Roach Powder
- Bonide Rose RX 3-in-1
- EcoLogic Ant and Roach Killer
- Dormant Spray Oil

**Mosquitoes**
- Ortho Insect Killer Tree and Shrub
- Monterey Sluggo

**Snails and Slugs**
- Miracle-Gro Nature's Care Slug and Snail Killer

**Yellowjackets**
- Rusty Nailed-H-F Pits for Wasps, Hornets, and Yellowjackets

**More Information**
- Visit www.ourwaterourworld.org for more information.
- Common pests and ways to manage them without using toxic products.
- Photos and information about helpful bugs that eat pests, and plants that attract them.
- Learn more about less-toxic pest management:
  - To use photos to learn more about helpful bugs and plants, visit Environet Gallery at the UC IPM website at www.ipm.ucdavis.edu, and type "insects and butterflies" into the search.

**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 "pesticides" and your zip code into the search fields.

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**Effective • Eco-Friendly**

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, 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!

Product Guide – Generic (above) and Home Depot versions (below)
Plants that attract helpful insects and butterflies

Aster (Aster spp.)
Baby blue eyes (Nemophila menziesii)
California poppy (Eschscholzia californica)
California willow (Salix lasiolepis)
Crown vetch (Coronilla varia)
Dahlia (Dahlia spp.)
Echinacea (Echinacea spp.)
Helianthus (Helianthus spp.)
Lilacs (Syringa spp.)
Ribwort plantain (Plantago lanceolata)
Sunflower (Helianthus annuus)
Sticky monkey flower (Mimulus aurantiacus)
Yarrow (Achillea millefolium)
Zinnia (Zinnia spp.)

Look for these less-toxic products

Fleas
Beneficial nematodes (Steinernema carpocapsae)
Biora Flea Traps
Dr. Earth Fungal Fungicide
Insecticidal Soap
Organic Labs Organocide 3-in-1 Garden Spray
Organic Labs Organocide 3-in-1 Rose and Flower with Neem Oil
Organic Labs Organocide 3-in-1 Tomato and Vegetable with Neem Oil

Flies
Beneficial nematodes (Steinernema carpocapsae)
Biora Flea Traps
Dr. Earth Fungal Fungicide
Insecticidal Soap
Organic Labs Organocide 3-in-1 Garden Spray
Organic Labs Organocide 3-in-1 Rose and Flower with Neem Oil
Organic Labs Organocide 3-in-1 Tomato and Vegetable with Neem Oil

Mites
Bayer Advanced Natuicin, Dinosan and Wink CONTROL
Bonide All Seasonal Horticultural and Garden Spray Oil
Bonide Captain Jack's Deadbug Brew
Bonide Mite-X
Bonide Sulfur
Dr. Earth Fungal Fungicide
Organic Labs Organocide 3-in-1 Garden Spray
Organic Labs Organocide 3-in-1 Rose and Flower with Neem Oil

Mosquitoes
Bonide Mosquito Barrier NEP (Patches) with OSH

Cockroaches
Biocare Flea Traps
Bonide Ant Killer II Liquid Ant Baits
Bonide Boric Acid Roach Powder
Bonide Mole Max Mole and Gopher Repellent
Caulk (for entry points)
Dr. Earth Final Stop Pest Control Killer Spray
Dr. Earth Mole B Gone (bait stations)
Dr. Earth Pest Control Killer
Eco-friendly Ant Killer
Eco-friendly Bug Killer
Eco-friendly Cockroach Killer
Eco-friendly Flea Killer
Eco-friendly Fungicide
Eco-friendly Insecticide
Eco-friendly Mite Control
Eco-friendly Pest Control Spray
Eco-friendly Roundup
Eco-friendly Sluggo
Eco-friendly Spider Killer
Eco-friendly Termite Killer

Snails and Slugs
Bonide Bag and Slug Killer
Cory's Slugs and Snails Copper Tape Barriers
Dr. Earth Bag and Slug Control
Dr. Earth Slugs and Snails Control
Dr. Earth Slug and Snail Control
Dr. Earth Slug and Snail Killer (slug)
Dormant Spray Oil
Eco-friendly Ant and Slug Killer
Eco-friendly Ant Killer
Eco-friendly Fungicide
Eco-friendly Label Pest Control Spray
Eco-friendly Mite Control
Eco-friendly Pest Control Spray
Eco-friendly Spider Killer
Eco-friendly Termite Killer

Yellowjackets
Rescue Disposable Yellowjacket Traps
Rescue M & P Traps for Wasps, Hornets & Yellowjackets
Rescue M & P Traps for Wasps, Hornets & Yellowjackets
Rescue M & P Traps for Wasps, Hornets & Yellowjackets
Rescue M & P Traps for Wasps, Hornets & Yellowjackets
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GETTING RID OF UNWANTED PRODUCTS

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

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

Attachments

FREE! Take One!

Product Guide (OSH)
 FOR HEALTHY GARDENS, PEOPLE, AND PETS

Find effective, eco-friendly products

Look for this tag

Eco-friendly
Less-toxic Product!

www.OurWaterOurWorld.org

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.

Healthy Gardening for People, Pets, and Our Environment!

www.OurWaterOurWorld.org

Helping retailers provide customers with less toxic pest management solutions

Business Cards (example)
### EFFECTIVE ECO-FRIENDLY PEST CONTROL • LESS-TOXIC PRODUCTS

## CONTROLLING ANTS IN YOUR HOME

### CONTROL ANTS IN YOUR HOME WITH THESE ECO-FRIENDLY PRODUCTS

<table>
<thead>
<tr>
<th>Product Type</th>
<th>Products</th>
</tr>
</thead>
<tbody>
<tr>
<td>Baits containing borates</td>
<td>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)</td>
</tr>
<tr>
<td>Containerized baits containing hydramethylinon</td>
<td>Amdro Kills Ants Ant Killing Bait (bait stations), Combat Source Kill 4 Ant Bait Stations (use only in enclosed bait stations)</td>
</tr>
<tr>
<td>Desiccating dust containing diatomaceous earth (DE)</td>
<td>Concern Diatomaceous Earth Crawling Insect Killer, Safer Brand Ant and Crawling Insect Killer—Diatomaceous Earth, St. Gabriel Organics Diatomaceous Earth Insect Dust</td>
</tr>
<tr>
<td>Applicator for diatomaceous earth (DE)</td>
<td>Pest Pistol</td>
</tr>
<tr>
<td>Plant-based insecticides</td>
<td>EcoLogic Ant and Roach Killer, Ecosmart Ant and Roach Killer, Orange Guard</td>
</tr>
<tr>
<td>Hose attachment</td>
<td>Bug Blaster</td>
</tr>
<tr>
<td>Sticky barrier</td>
<td>Stikem Special pest glue, Tree Tanglefoot Insect Barrier</td>
</tr>
</tbody>
</table>

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)
• 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.

ANTS IN YOUR PLANTS?
If ants are nesting in a potted 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 return 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.

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.

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.

Fact sheets – Ants (example back)
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 self-closing 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.
Less Toxic Pest and Weed Control

ANTS
- Amdro Kills Ants bait stations
- Combat Source Kill Ant Ant bait stations
- Concern Diatomaceous Earth Crawling Insect Killer
- Orange Guard
- Pest Pistol
- Safer Brand Ant and Crawling Insect Killer
- St. Gabriel Organics Insect Dust Diatomaceous Earth
- Stickten Tree Pest Barrier
- Tree Tanglefoot Insect Barrier
- Terro Ant Killer II Liquid Ant Bait Station

Ask our Expert

Stumped by a pest problem?
Ask our expert! Submit your questions here.
You’ll receive an answer explaining less-toxic approaches to eliminating those pests from your home or garden.

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