



City of Carpinteria
Integrated Pest Management

Annual Report 2014



5775 Carpinteria Avenue
Carpinteria, CA 93013
(805) 684-5405
www.Carpinteria.ca.us

2014 IPM Committee Members

Will Carelton — Owner Las Palmalitas Ranch, Carpinteria, Biodynamic avocado and citrus.

Trish Stone-Damon — IPM Committee Chair and Former Director of the Let's Grow! School garden program through SBCC Center for Sustainability.

Paul Medel — City Public Works Supervisor

Mike Gonella — Chair and full time instructor in the Environmental Horticulture Department at Santa Barbara City College.

Ben Pitterle — Watershed and Marine Program Director, Santa Barbara Channel Keeper

Mary Ann Rajala — Supervising Agricultural Biologist, Santa Barbara County Agricultural Commission.

Matt Roberts — City Parks and Recreation Director

Jay Sullivan — Construction and Project Manager, Santa Barbara City College and former Director of Grounds, Facilities and Transportation at Goleta Union School District.

Corey Welles — Plant Health Coordinator, Ganna Walska Lotusland



City of Carpinteria Integrated Pest Management 2014 Annual Report

Introduction

The Carpinteria City Council established the Carpinteria City's IPM policy by adopting resolution No.5355 at its regular meeting of January 9, 2012. The policy establishes an IPM committee of up to nine members. The goal of IPM is to mitigate pest damage to City property while protecting human health, the environment and economic viability.

The City policy has ten basic tenants.

1. Establishes the goal of reducing or eliminating the use of toxic pesticides through the use of common sense principals of IPM. Use of IPM tactics such as mulching, hand or mechanical weeding and rodent trapping will be the first line of defense.
2. Establishes the use of IPM methodology for selecting the appropriate pest intervention options.
3. Commits the City to establish pesticide free zones where no pesticides will be used unless an emergency arises. These areas will include park play structures and picnic areas.
4. References the use of IPM tactics from reputable mainstream sources; specifically the University of California at Davis, the California Invasive Plant Council and the California Department of Pesticide regulation.

5. Avoids whenever possible the contamination of buildings, soil, air, and water and protects people, animals and beneficial plants and insects from toxic exposures.
6. Establishes the requirement that all personnel involved in pest management at the City receive training and continuing education on the use of pesticides.
7. Requires cooperation and communication between City departments and City Contractors by setting standard operating procedures for the control of pests.
8. Established an IPM Advisory Committee (IPMAC) with up to nine members that includes representation from the Parks and Recreation Department, The Public Works Department, The Bluffs Advisory committee, and at least two at large community members that can make recommendations to the City Council on implementation and amendment of the IPM policy.
9. Established a public outreach and information program to help others in the community reduce the use of pesticides.
10. Establishes the effective public notification will be implemented when pesticides are used. The utilization of a pesticide Hazard and Exposure reduction (PHAER) Zone system is to be utilized to help accomplish the public notification objective. The PHAER Zone system also included the creation of a color metric pesticide list potentially used by the City that groups pesticides into three groups with low (green) medium (yellow) and high (red) toxicity.

The IPM policy requires the preparation of an annual report to disclose the pest issues encountered and tactics used to combat the problem including pesticide use, if any, in City facilities. This report will be filed with the City Clerk for public inspection and presented to the City Council.

During 2014 the IPM committee met four times. A wide variety of topics were discussed including park signage, turf grass management, right of way weed control, soil erosion and other topics. A main focus was planning and conducting the first Sustainable Landscape Fair. The IPM Committee meeting agendas are included as appendices to this report.

The City continued maintenance operations with the use of only green material pesticides in almost all areas. Ant control at the County Medical Clinic was an exception, as there is a low tolerance for ant infestation and the building is managed by the County of Santa Barbara. Another exception was the single application of 16 fluid ounces of Aquamaster concentrate combined with 8 fluid ounces of Dyne-Amic (a surfactant) at the Salt Marsh Nature Park and Tar Pits Park to control kikuyu in some native planting areas.

No pesticides were applied to any other of the city's parks, picnic areas and playgrounds. These areas did not require much in the way of pest abatement and no additional requests to use pesticides were made with the exception of the glyphosate application mentioned above. However, during the reporting period, Carpinteria

continues to suffer the impacts of a severe drought. Lack of rainfall has minimized weed growth in non irrigated areas thereby minimizing weed control needs.

2014 Weed and Invasive Plant Control

In the City's right of ways no herbicides were applied in 2014.

Rain fall has been far below normal this winter and weed control in the right of way has not become a safety issue.

In the city's open space parks and based upon recommendations of experts, a glyphosate application was made to two areas where kikuyu grass was emerging. The application was made by a firm specializing in native plant restorations. In all 16 fluid ounces of Aqua Master, a glyphosate product, and 8 fluid ounces of Dyne-Amic, a vegetable oil surfactant, were applied to an area in the Carpinteria Salt marsh Park and to an area in Tar Pits Park. In both locations, signage was posted in advance of the application to notify the public.

All other weed control efforts by City forces utilized mechanical mowing or mulching to accomplish the desired outcome.

2014 Rodent and Insect Control

In 2014 some Linden Avenue street trees were sprayed with an insecticide M-Pede. M-Pede is an organic green list material and is the equivalent to a better known product known as Safer Soap. After inspection by a certified pest control advisor, a recommendation was made to apply an insecticide to reduce an aphid infestation. The aphids exude a sticky residue that was causing a problem in the downtown area.

M-Pede is a staple in organic pest control. This contact insecticidal soap is derived from potassium salts and is totally biodegradable as well as being considered environmentally safe.

It works as a smothering agent on a wide variety of insects. Since it works on contact, it must be sprayed directly onto the pest and has no residual effect.

Rodent and insect control at City Buildings was performed with the following products;

For rats and mice, TeraD3 Rodenticide Bait (organic) 10.8 pounds is the first and only rodenticide registered by the EPA for 'organic production. This product was used around the Veteran's Building and City Hall. It contains Cholecalciferol as its active ingredient. Cholecalciferol is also known as Vitamin D3. High levels of D3 are lethal to

rodents. For humans D3 is a dietary supplement that when taken in the correct dose may have health benefits. Gopher control will be discussed later in this report.

For ant control Eco PCO WPX Insecticide (organic) 1.25lb. Made of all natural, botanical insecticides: Phenethyl propionate, 3%Thyme oil, 5%, Pyrethrins, .05%. It is listed as an organic material. This product was used at City Hall and the Veteran's Building.

Spectracide Terminate Termite Killing Foam 32 oz was used for termite control at the Carpinteria Community Pool bathhouse and to an ocean lifeguard kiosk. Terminate Termite Killing Foam contains low concentrations Lambda cyhalothrin. The low concentration solution is considered a non-restrictive use material. This is an insecticide that belongs to the pyrethroid chemical class of pesticides. It was registered with the EPA in 1988 and is widely available at retail hardware stores.

Another area of constant effort is in the control of gophers. Pocket gophers invade parks, yards and gardens, feeding on many garden crops, ornamental plants, vines, shrubs, and trees. A single gopher can inflict considerable damage in a very short time. Gophers gnaw and damage plastic water lines and lawn sprinkler systems. Their tunnels may divert and carry off irrigation water, which leads to soil erosion and inefficient water use. Mounds on lawns interfere with mowing equipment and collapsing tunnels can create tripping hazards. Sports fields can suffer extensive damage if a gopher infestation occurs.

The California Fish and Wildlife Code classifies pocket gophers as nongame mammals. This means that if a gopher is causing property damage you can control them at any time and in any legal manner.

City staff has invested considerable time in trapping gophers with an emphasis on the El Carro, Viola and Linden Fields. The maintenance service that cares for Monte Vista and Carpinteria Creek Park invested additional time and resources. Consequently the estimated cost for gopher control using trapping methods including the cost of traps has exceeded \$7,000.00 for the calendar year. In addition, traps continue to be lost due to theft and in some cases the traps have been removed by folks hoping to protect the gophers. Because trapping techniques require observing active gophers, field damage continues to occur.

The option is to hire a gopher trapping service to assist staff in gopher control was considered and the cost was determined to be excessive.

Sustainability and Turf Grass Management

Sports field management

The City owns and maintains two parks that have active sport fields. El Carro Park has a dedicated soccer field and two little league baseball fields that share a common outfield area. This outfield also can be used for soccer play. Similarly, Viola fields has two soccer fields with complimentary softball infields so that either soccer or softball games may be played there.

Prior to the adoption of an IPM policy, the City performed routine cultural care practices that included control of broadleaf weeds with the use of broadleaf herbicide and gophers by trapping and use of some chemical poisons. No broadleaf herbicide or chemical poisons have been applied to any City operated turf area since 2011. Broadleaf weeds include such plants as dandelion and clover.

Broadleaf control

Sometimes broadleaf weeds can be controlled simply by altering the cultural practices to favor the grass plants rather than the weeds. The cultural controls may include raising or lowering the mowing height, changing the frequency of mowing, lengthening or shortening the period between irrigations, increasing the application of fertilizer and aeration of the soil to ameliorate compaction.

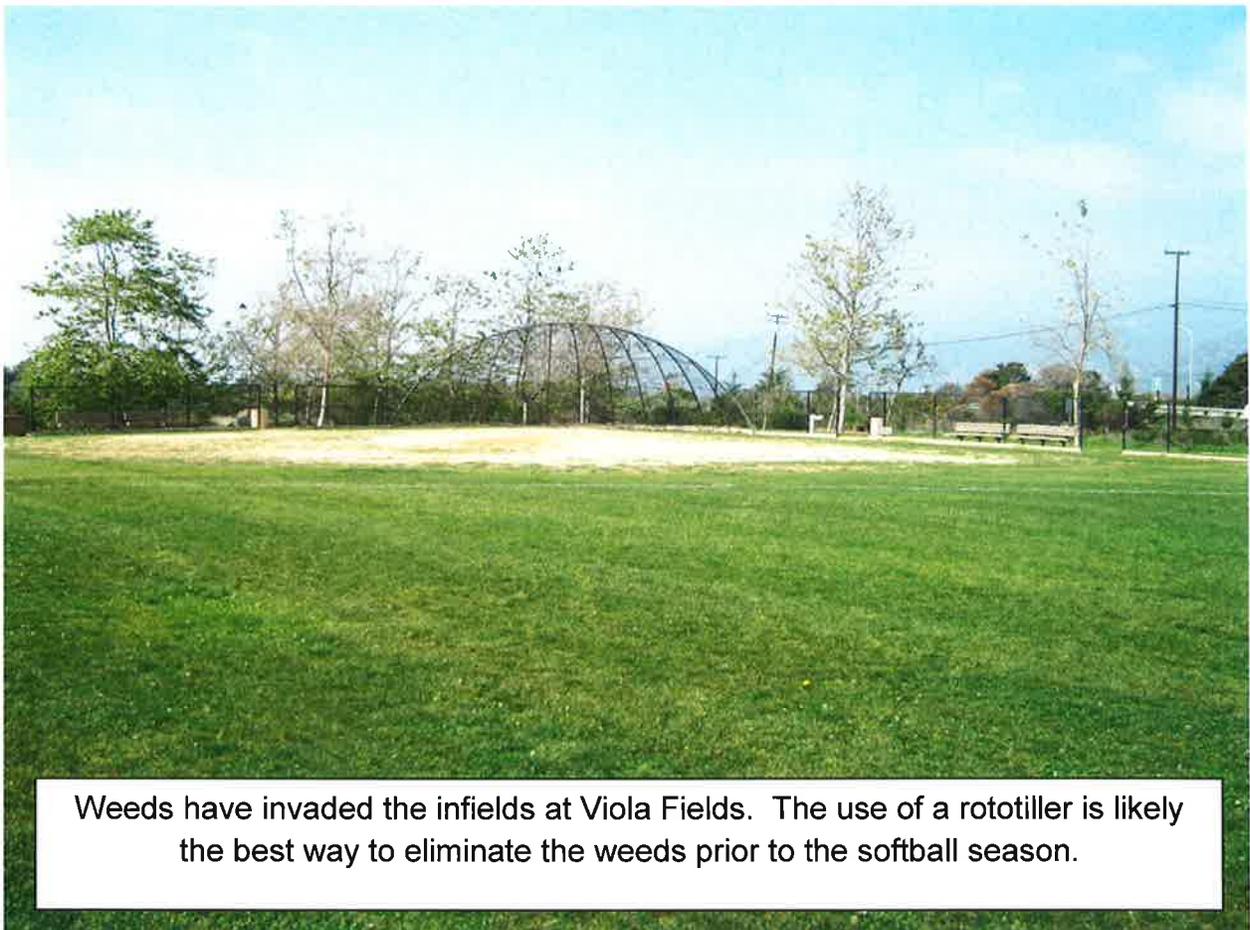
Since 2011, the City has continued and increased the use of these cultural controls. Aerations have been conducted twice annually with the application of a top dressing compost each spring. Applications of fertilizers have been made in spring and early fall, and trials of composts teas have been made to Viola fields. Over seeding with winter seed blends in worn or stressed spot areas has been done in the fall. These measures have not resulted in broadleaf control.

Clover is the primary broadleaf that is highly established at the City's two sport field parks. A dense infestation of broadleaf weeds such as clover will out compete the desired Bermuda grass, but does not stand up to the rigors of sports play. As the turf weakens, the weeds will readily invade the open areas that remain.

A combination of proper cultural practices plus prudent use of chemical is sometimes necessary to control weeds effectively in turf. At this time, staff is not proposing any herbicide application but is concerned that broadleaf infestation is becoming more prevalent. Photos of the level of infestation are included in this report to illustrate the problem.

Another sports field management issue that is more problematic when less effective herbicides are not available is the encroachment of turf into the softball and baseball infields. Properly maintained ball diamonds are necessary to ensure player safety as well as fairness in the sport. Inconsistent infields and base paths not only cause the ball to bounce erratically, but may also trip up players. Turf that has encroached into the “skinned” area, must be removed.

Mechanical removal is the only alternative way to accomplish the elimination of turf that has encroached as green list herbicides are not effective in these instances. Costs to perform mechanical removal are higher but can be very effective.



The IPM Committee reached a consensus of a recommended progressive three tier turf program which includes the following:

1. Tier One
 - Mulch all clippings back into lawn
 - Aerate twice annually
 - Fertilize using organic granular material
 - Top dress with organic compost annually
2. Tier Two
 - Vertically cut soil and combine and over-seed in winter with grasses designed for winter growth
3. Tier Three
 - Monthly soaking with compost tea

The Parks Department is currently using tiers one and two.

Mulching

Using mulch is a good park, garden and right of way maintenance practice. The benefits include:

- Reduces weed growth thereby reducing the need for herbicides or mowing.
- Holds in soil moisture and conserves water.
- Helps to keep the root zone temperatures at a beneficial level.
- Organic mulch such as wood chips adds nutrition to your garden as it breaks down.

The City continues to stockpile wood chip mulch at Carpinteria City hall that is then used for park and right of way uses and is made available to the public for free. The wood chip mulch is generated from City street and park tree maintenance work. The general guidelines for the free pick up and use is that the material is for private residential use and not for professional landscapers. Truckloads of wood chip mulch have been utilized in several city parks such as Tar Pits Park, Heath Ranch Park and El Carro Park.

Sustainable Landscape Fair/Community Education Day

A goal of the IPM committee is to perform public outreach pertaining to sustainable practices. On Saturday, October 18, 2014 staff and committee members held a sustainability fair at the recently acquired City property located adjacent to the Spot. Approximately 35 individuals representing 25 organizations participated. Organizations were at the fair to provide information to the public and demonstrate sustainable practices. Demonstrations included owl box making, rodent trapping, worm bin design, weed maintenance and drought tolerant landscaping to name a few. Following the fair, Corey Welles, Plant Health Care Coordinator at Ganna Walska Lotusland presented a talk on Growing Living Soil, organic gardening and the soil food web. After the talk, as a fund raiser for Carpinteria Family School, Veterans Hall screened the movie *Growing Cities*.

The committee plans to hold another fair in 2015 and will strive to further public outreach for the fair in the form of advertising and other methods.

Those that attended and participated in the fair were as follows:

First Name	Last Name	Organization
Andrea	Adams-Morden	Santa Barbara Botanic Gardens
Eddie	Aronchick	Agri-turf
Todd	Bedd	Santa Barbara Beekeepers Association
Matt	Boeck	Sacred Cow Compost
Matt	Buckmaster	Island Seed & Feed
Kelly	Campbell	Fairview Gardens
Will	Carleton	IPM Advisory Committee
Miguel	Checa	Carpinteria Valley Association
Kevin	Childerley	Santa Barbara Aquaponics
Rick	Escalera	Agri-turf
Mike	Gonella	Sbcc Horticulture Department
Rhonda	Gutierrez	Carpinteria Valley Water District
Michael	Hanrahan	Carpinteria Valley Association
Shirley	Johnson	Carpinteria Valley Association
Donna	Jordan	Carpinteria Beautiful
Brenton	Kelly	Quail Springs Permaculture
Jake	Kelly	Chapala Gardens
Joy	Kelly	Chapala Gardens
Loren	Luyendyk	Santa Barbara Organics
Edith	Maurno	Quail Springs Permaculture
Bill	Palmisano	Non Toxic Landscaping
Ben	Pitterle	Santa Barbara Channel Keeper
Sasha	Rabin	Quail Springs Permaculture
Mary Ann	Rajala	S.B. County Agricultural Commissioner's Office

Matt	Roberts	City of Carpinteria Parks and Recreation Director
Renee	Roth	Santa Barbara Surf Rider
Mark	Satterfield	All Around Landscape & Supply
First Name	Last Name	Organization
Janice	Sester	Quail Springs Permaculture
Ana	Smith	Casitas Valley Creamery
Jesse	Smith	Casitas Valley Creamery
Trish	Stone-Damen	City of Carpinteria IPM Advisory Committee
Jay	Sullivan	City of Carpinteria IPM Advisory Committee
Jim	Taylor	Carpinteria Valley Association
Kimberley	True	Santa Barbara Surf Rider
Corey	Welles	Lotusland
David	White	Center for Regenerative Agriculture
Nick	Wigel	Super Bee Rescue and Removal
Barbara	Wishingrad	Sweetwater Collaborative

Park Signage

In order to inform the public about the IPM policy adopted by the City, the Parks Department has installed signs at Viola Fields, El Carro Park and Monte Vista Park. The signs are in both English and Spanish and have a QR code that may be scanned that will lead a user to the City's website.



This Park is Green for your Health and Safety
MONTE VISTA PARK



This Park is operated as a GREEN park by the City of Carpinteria. Only GREEN materials are used here unless 48 hours notice is posted. For more information about GREEN materials visit our website or call.

Este parque es operado como un parque VERDE por la Ciudad de Carpinteria. Sólo los materiales VERDES se utilizan aquí menos 48 horas de aviso se publica. Para obtener más información acerca de los materiales VERDES visite nuestro sitio web o llame al.



http://www.carpinteria.ca.us/parks_rec/index.shtml (805) 684 5405 x449

This Park is Green for your Health and Safety

VIOLA FIELDS



This Park is operated as a GREEN park by the City of Carpinteria. Only GREEN materials are used here unless 48 hours notice is posted. For more information about GREEN materials visit our website or call.

Este parque es operado como un parque VERDE por la Ciudad de Carpinteria. Sólo los materiales VERDES se utilizan aquí menos 48 horas de aviso se publica. Para obtener más información acerca de los materiales VERDES visite nuestro sitio web o llame al.

http://www.carpinteria.ca.us/parks_rec/index.shtml

(805) 684 5405 x449

This Park is Green for your Health and Safety

EL CARRO PARK



This Park is operated as a GREEN park by the City of Carpinteria. Only GREEN materials are used here unless 48 hours notice is posted. For more information about GREEN materials visit our website or call.

Este parque es operado como un parque VERDE por la Ciudad de Carpinteria. Sólo los materiales VERDES se utilizan aquí menos 48 horas de aviso se publica. Para obtener más información acerca de los materiales VERDES visite nuestro sitio web o llame al.

http://www.carpinteria.ca.us/parks_rec/index.shtml

(805) 684 5405 x449



Conclusions.

1. Use of manual methods to remove rodents and weeds continues to be the first line of defense. With weeds and invasive plants, the lack of rain has helped tremendously to keep the need for herbicides minimal. When rains return, the challenge will be greater. The opportunity to become familiar with green list herbicides with their use in 2013 yielded poor results, but as little weed growth has occurred due to the lack of rain, the situation has been manageable.
2. With gophers, the challenge has been in keeping up with the population that can invade from all adjacent properties. Staff time has been diverted to contain heavy populations and the cost is higher than anticipated. Staff is considering outsourcing some of the trapping and also the use of rodenticide to get an upper hand while continuing trapping to save staff time and money.
3. The infestation of weeds in the turf areas is continuing. The sports fields that must endure high levels of use may be more difficult to manage as broadleaf weeds can out compete the grass but is less durable in high use. Cultural care practices to reduce weed infestation have been implemented but with unsatisfactory results so far.
4. Baseball infields will require additional work to prepare them for the season due to weed encroachment. Prior to the IPM policy, these infestation was controlled by use of an herbicide. Now more costly mechanical means will be used.
5. The drought continues to suppress weed growth in the city parks and right of ways that helps to reduce the need for herbicide applications.

Meeting Notice

IPM Advisory Committee

Monday, March 3, 2014

3:30- 5:00 PM

**City Of Carpinteria
City Hall
5775 Carpinteria Avenue
Carpinteria, CA 93013**

(805) 684-5405 x449

AGENDA

- 1) Call to Order/Roll Call / Announcements
- 2) Public Comments (regarding matters not on this agenda)
- 3) **New-** Reports by community committee members

Old Business

- 4) Update on Park signage for Green Parks/Fields/Open Spaces and other city properties that are Green (8th street, Linden, etc.)

New Business

- 5) Public Works Spraying of Neonicotinoids
 - a) <http://www.capitalpress.com/apps/pbcs.dll/article?AID=/20140131/ARTICLE/140139965/1169>
 - b) Site visit to tree for assessment
- 6) Education/outreach plan
- 7) Topics for Next Meeting
- 8) Next Meeting Date: Suggested - April 21
- 9) Adjournment

Meeting Notice

IPM Advisory Committee

Monday, April 21, 2014

3:30- 5:00 PM

**City Of Carpinteria
City Hall
5775 Carpinteria Avenue
Carpinteria, CA 93013**

(805) 684-5405 x449

AGENDA

- 1) Call to Order/Roll Call / Announcements
- 2) Public Comments (regarding matters not on this agenda)
- 3) **New-** Reports by community committee members

Old Business

- 4) Update on Park signage for Green Parks/Fields/Open Spaces and other city properties that are Green (8th street, Linden, etc.)
- 5) Asian Citrus Psyllid - Update on CDFA Application
- 6) Review Venco Western Contract as it Pertains to Green Policies
- 7) Education/outreach plan/Program
 - a) Draft
 - b) Sustainable Landscaping Day

8) New Business

- 9) Topics for Next Meeting
- 10) Next Meeting Date: Suggested - May 26
- 11) Adjournment

Meeting Notice

IPM Advisory Committee

Monday, August 4, 2014

3:30- 5:00 PM

**City of Carpinteria
City Hall
5775 Carpinteria Avenue
Carpinteria, CA 93013**

(805) 684-5405 x449

AGENDA

- 1) Call to Order/Roll Call / Announcements
- 2) Public Comments (regarding matters not on this agenda)
- 3) **New-** Reports by community committee members

Old Business

- 4) Update on Park signage for Green Parks/Fields/Open Spaces and other city properties that are Green (8th street, Linden, etc.)
- 5) Update on Gopher control
- 6) Keepin it Real - Carpinteria Sustainability Day
 - a) Date
 - b) Location
 - c) Draft Overview
 - d) Subcommittee

7) New Business

- 8) Topics for Next Meeting
- 9) Next Meeting Date: Suggested - May 26
- 10) Adjournment

Meeting Notice

IPM Advisory Committee

Monday, September 15, 2014
4:00- 5:00 PM
City Of Carpinteria
City Hall
5775 Carpinteria Avenue
Carpinteria, CA 93013
(805) 684-5405 x449

AGENDA

- 1) Call to Order/Roll Call / Announcements
- 2) Public Comments (regarding matters not on this agenda)
- 3) **New-** Reports by community committee members

Old Business

- 4) Update on Park signage for Green Parks/Fields/Open Spaces and other city properties that are Green (8th street, Linden, etc.)
- 5) Update on Gopher control
- 6) Carpinteria Sustainability Fair
 - Update
 - Task List
 - Book Purchase - Xerces

7) New Business

- 8) Topics for Next Meeting
- 9) Next Meeting Date: Suggested - October 13th
- 10) Adjournment

Carpinteria Sustainable Landscape Fair

Sponsored by the City of

Carpinteria Parks and Recreation



SAT, OCT. 18
10am-4:30pm
Free to the public

Interactive Demonstrations

10am-2pm (on the half hour)
399 Linden Ave. (next to The Spot)

- **Bee Aware**
Respecting the Pollinators
- **Worms Eat Our Kitchen Scraps**
Create Compost out of waste
- **Weed Tolerance and Maintenance**
Learn the non-toxic secrets
- **Gophers, and Rodents, and ants oh My!**
- **Reduce/replace The Lawn**
Sheet mulching for Native Planting

Local Resources

10am-2pm
399 Linden Ave. (next to The Spot)

- Carpinteria Beautiful
- City of Carpinteria Community Garden
- Carpinteria Valley Association
- SB ChannelKeeper
- Carpinteria Valley Water District
- Sweetwater Collaboration
- Island Seed & feed
- All Around Irrigation
- Rick Escalera Compost Tea/ Agri-turf
- Casitas Valley Farms/Quail Springs
- Fairview Gardens
- Surfrider/Ocean Friendly Gardens
- Nontoxic Landscaping
- Sacred Cow Compost
- Las Palmitas Ranch
- Chapala Tower Gardens
- Santa Barbara Beekeepers Association
- Santa Barbara Botanic Garden
- Santa Barbara Organics
- Center for Regenerative Agriculture
- SB Agricultural Commissioner Office

Growing Living Soil

Corey Welles, Lotusland

3:00-4:30pm

Carpinteria Veterans Memorial - 941 Walnut
Info: matt@c.i.carpinteria.ca.us



2014 Facility Use of Pesticides

Date	Company	Product	EPA #	Amount	Method	Target Species	Location
01/06/2014	Western Exterminator	Cyfluthrin	499-304	N/A*	Spray	Ants	Clinic
01/06/2014	Western Exterminator	Optiguard	100-1260	N/A*	Bait	Ants	Clinic
01/29/2014	Santa Barbara Pest	EcoPCO WPX (Plant Oils)	67425-25-655	2 Scoops	Spot	Ants	Vet Hall
01/29/2014	Santa Barbara Pest	Terad3 Blox	12455-106	2 Blocks	Bait	Rodents	Vet Hall
01/29/2014	Santa Barbara Pest	Terad3 Blox	12455-106	6 Blocks	Bait	Rodents	City Hall
02/03/2014	Western Exterminator	Optiguard	100-1260	N/A*	Bait	Ants	Clinic
02/22/2014	Santa Barbara Pest	Terad3 Blox	12455-106	12 Blocks	Bait	Rodents	City Hall
02/26/2014	Santa Barbara Pest	Terad3 Blox	12455-106	6 Blocks	Bait	Rodents	Vet Hall
03/03/2014	Western Exterminator	Optiguard	100-1260	N/A*	Bait	Ants	Clinic
03/20/2014	Santa Barbara Pest	Terad3 Blox	12455-106	5 Blocks	Bait	Rodents	Vet Hall
03/20/2014	Santa Barbara Pest	Terad3 Blox	12455-106	4 Blocks	Bait	Rodents	City Hall
04/07/2014	Western Exterminator	Optiguard	100-1260	N/A*	Bait	Ants	Clinic
04/07/2014	Western Exterminator	Cyfluthrin	499-304	N/A*	Spray	Ants	Clinic
04/23/2014	Santa Barbara Pest	EcoPCO WPX (Plant Oils)	67425-25-655	5 Scoops	Band Spray	Ants	Vet Hall
04/23/2014	Santa Barbara Pest	Terad3 Blox	12455-106	6 Blocks	Bait	Rodents	Vet Hall
04/23/2014	Santa Barbara Pest	Terad3 Blox	12455-106	8 Blocks	Bait	Rodents	City Hall
05/05/2014	Western Exterminator	Optiguard	100-1260	N/A*	Bait	Ants	Clinic
05/21/2014	Santa Barbara Pest	Terad3 Blox	12455-106	6 Blocks	Bait	Rodents	Vet Hall
05/21/2014	Santa Barbara Pest	Terad3 Blox	12455-106	10 Bocks	Bait	Rodents	City Hall
06/03/2014	Western Exterminator	Optiguard	100-1260	N/A*	Bait	Ants	Clinic
06/13/2014	Santa Barbara Pest	Mpede (refined soap)	53219-6	32 Pt	Band Spray	Tree Insects	City Streets
06/18/2014	Santa Barbara Pest	Terad3 Blox	12455-106	10 Blocks	Bait	Rodents	Vet Hall
06/18/2014	Santa Barbara Pest	Terad3 Blox	12455-106	14 Blocks	Bait	Rodents	City Hall
07/07/2014	Western Exterminator	Optiguard	100-1260	N/A*	Bait	Ants	Clinic
07/31/2014	Santa Barbara Pest	EcoPCO WPX (Plant Oils)	67425-25-655	9 scoops	Band Spray	Ants	Vet Hall
07/31/2014	Santa Barbara Pest	Terad3 Blox	12455-106	13 Blocks	Bait	Rodents	Vet Hall
07/31/2014	Santa Barbara Pest	Terad3 Blox	12455-106	15 Blocks	Bait	Rodents	City Hall
08/04/2014	Western Exterminator	Optiguard	100-1260	N/A*	Bait	Rodents	Clinic
08/04/2014	Western Exterminator	Cyfluthrin	499-304	N/A*	Spray	Ants	Clinic
08/25/2014	Santa Barbara Pest	Terad3 Blox	12455-106	10 Blocks	Bait	Rodents	Vet Hall
08/25/2014	Santa Barbara Pest	Terad3 Blox	12455-106	12 Blocks	Bait	Rodents	City Hall

*N/A = Not Available

Date	Company	Product	EPA #	Amount	Method	Target Species	Location
09/02/2014	Western Exterminator	Optiguard	100-1260	N/A*	Bait	Ants	Clinic
09/23/2014	Santa Barbara Pest	Terad3 Blox	12455-106	13 Blocks	Bait	Rodents	Vet Hall
09/23/2014	Santa Barbara Pest	Terad3 Blox	12455-106	17 Blocks	Bait	Rodents	City Hall
09/30/2014	Channel Islands Restoration	Aquamaster	524-343	16oz	Spray	Kikuyu	Tar Pits
09/30/2014	Channel Islands Restoration	Dyne-Amic (Additive)	5905-5007-AA	8oz	Spray	Kikuyu	Salt Marsh
01/05/00	Western Exterminator	Optiguard	100-1260	N/A*	Bait	Ants	Clinic
10/29/2014	Santa Barbara Pest	EcoPCO WPX (Plant Oils)	67425-25-655	9 scoops	Band Spray	Ants	Vet Hall
10/29/2014	Santa Barbara Pest	Terad3 Blox	12455-106	3 Blocks	Bait	Rodents	Vet Hall
10/29/2014	Santa Barbara Pest	Terad3 Blox	12455-106	4 Blocks	Bait	Rodents	City Hall
11/03/2014	Western Exterminator	Optiguard	100-1260	N/A*	Bait	Ants	Clinic
11/17/2014	Santa Barbara Pest	Terad3 Blox	12455-106	3 Blocks	Bait	Rodents	Vet Hall
11/17/2014	Santa Barbara Pest	Terad3 Blox	12455-106	4 Blocks	Bait	Rodents	City Hall
12/01/2014	Western Exterminator	Optiguard	100-1260	N/A*	Bait	Ants	Clinic
12/01/2014	Western Exterminator	Cyfluthrin	499-304	N/A*	Spray	Ants	Clinic
12/10/2014	Santa Barbara Pest	Terad3 Blox	12455-106	3 Blocks	Bait	Rodents	Vet Hall
12/10/2014	Santa Barbara Pest	Terad3 Blox	12455-106	2 Bocks	Bait	Rodents	City Hall

*N/A = Not Available



White Clover
Trifolium repens



El Carro Park

White Clover is native to Europe, North Africa, and West Asia. It has been widely introduced worldwide as a pasture crop, and is now common in most grassy areas of North America.



Gopher damage
at Viola Fields



El Carro Park

Gopher damage causes irrigation system damage,
trip hazards and poor quality of play.



**Broadleaf infestation
El Carro Park**



**Weeds in the
infield at
Viola Fields**