

# Notice of Violation tally for 2014

- 4 NOV's for unregistered pest control businesses/Landscape maintenance businesses
- 2 NOV's for no pesticide labeling at use site
- 2 NOV's for emergency medical care posting
- 2 NOV's for not submitting use reports
- 1 NOV for no Personal Protective Equipment (Goggles, gloves, etc.)
- 1 NOV for service container labeling
- 1 NOV for equipment not identified (Pest Control and Landscape Business)

# County Registration (For Pest Control Businesses and Landscape Maintenance Businesses ONLY)

AGRICULTURE / WEIGHTS & MEASURES  
**COUNTY OF SAN MATEO**

**Fred Crowder**  
Agricultural Commissioner  
County of San Mateo  
P.O. Box 288 • 728 Water St.  
Redwood City, CA 94063-0288  
(650) 363-4700 x7  
(650) 367-6000  
www.smgov.org/agm

☐ PEST CONTROL BUSINESS  
☐ MAINTENANCE GARDENER

**COUNTY REGISTRATION**  
STATE OF CALIFORNIA  
DEPARTMENT OF PESTICIDE REGULATION  
PEST MANAGEMENT AND LICENSING BRANCH

REGISTRATION EXPIRATION DATE: DECEMBER 31, 20\_\_

FOR REGISTRATION IN COUNTY OF: \_\_\_\_\_

BUSINESS NAME: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

CITY: \_\_\_\_\_ ZIP CODE: \_\_\_\_\_

QUALIFIED APPLICATOR'S SIGNATURE: \_\_\_\_\_

RESTRICTED MATERIALS POSSESSION PERMIT NO. \_\_\_\_\_  
No restricted material may be possessed except in accordance with any attached conditions. This is not a permit to apply.  
AGRICULTURAL COMMISSIONER'S SIGNATURE: \_\_\_\_\_

BUSINESS LOCATION:  
☐ MAIN ☐ BRANCH

DPR LICENSE NO. \_\_\_\_\_

TELEPHONE NO. (BUSINESS): \_\_\_\_\_

TELEPHONE NO. (MOBILE): \_\_\_\_\_

DATE: \_\_\_\_\_

CONDITION(S) ATTACHED:  
☐ YES ☐ NO

DATE: \_\_\_\_\_

Email: \_\_\_\_\_

Do you want to report use online?  
☐ Check box for Username & Password

Registration Fee Received: \$ \_\_\_\_\_

Check #: \_\_\_\_\_

Receipt #: \_\_\_\_\_

**PESTICIDE USE  
MONITORING INSPECTION REPORT**

PR-ENF-104 (REV. 01/10) Page 1 of 1

☐ COMPLETE  
☐ PARTIAL  
☐ FOLLOW-UP INSPECTION

104-805424

ORIGINAL INSP. # \_\_\_\_\_

**INSPECTING COUNTY**

FIRM / PERSON INSPECTED

FIRM MAILING ADDRESS

PROPERTY OPERATOR

SUPERVISOR

INTERVIEWED

☐ YES ☐ NO

BUSINESS TYPE

PERMIT / OPERATOR ID #

☐ Property Operator☐ N/R☐ Pest Control Business

BUSINESS LICENSE #

☐ UNL☐ Maintenance Gardener☐ Other

PROPERTY LOCATION / SITE ID

ADJACENT ENVIRONMENT

N

LICENSE NUMBER

☐ N/R

TELEPHONE NUMBER

☐ QAL ☐ QAC ☐ PAC ☐ JPC ☐ APC ☐ UNL

COMMODITY / SITE

☐ PROD AG☐ OTHER

W

TREATMENT AREA

E

METHOD OF APPLICATION

(CHECK ONE):

☐ 1. AERIAL☐ 2. CHEMIGATION☐ 3. HAND HELD☐ 4. GROUND RIG☐ 5. OTHER

WIND VELOCITY

DIRECTION

to

HANDLER'S NAME / # INTERVIEWED

ACTIVITY

PERSONAL PROTECTIVE EQUIPMENT WORN

PESTICIDE NAME / MANUFACTURER

LABEL REGISTRATION NUMBER

SIGNAL WORD

FORMULATION

RATE

DILUTION

**A. APPLICATION****B. MIX/LOAD****A. APPLICATION****B. MIX/LOAD**COMPLIANCE  
YES NO N/A**REQUIREMENTS**

Section

COMPLIANCE  
YES NO N/ACOMPLIANCE  
YES NO N/A**REQUIREMENTS, (Continued)**

Section

COMPLIANCE  
YES NO N/A

YES NO N/A

1. PCB Licensed

11701

YES NO N/A

2. PCB Registered in County

11732

YES NO N/A

3. Labeling Available at Use Site

6602

YES NO N/A

4. Notice of Intent Submitted

6434

YES NO N/A

5. Certified Applicator Sup RM

6406

YES NO N/A

6. Complies w/Permit Conditions

12973

YES NO N/A

7. Labeling - Site/Rate/Other

12973

YES NO N/A

8. Labeling - PPE

12973

YES NO N/A

9. Regulations - PPE

6738

YES NO N/A

10. Respiratory Protection

6739

YES NO N/A

11. Coveralls, "Warning / Danger"

6736

YES NO N/A

12. Handler(s) Trained

6724

YES NO N/A

13. Emergency Med. Care Posting

6726

YES NO N/A

14. Employee Working Alone, "Danger"

6730

YES NO N/A

15. Decontamination Facility

6734

YES NO N/A

16. Eyewash Immed. Available - Prod. Ag.

6734(c)

YES NO N/A

17. Field Postings

6776

YES NO N/A

18. Safe Equipment

6742

YES NO N/A

19. Closed Sys. Used /Criteria - "Danger"

6746

YES NO N/A

20. Protect. of Persons/Animals/Property

6614

YES NO N/A

21. Equipment Registered - PCB

11732

YES NO N/A

22. Equipment Identified - PCB

6630

YES NO N/A

23. Backflow Prevention - Airgap

6610

YES NO N/A

24. Containers Secured / Attended

6670

YES NO N/A

25. Containers Labeled / Closures

6676

YES NO N/A

26. Service Container Labeling

6678

YES NO N/A

27. Proper Containers

6680

YES NO N/A

28. Proper Pesticide Transport

6682

YES NO N/A

29. Containers Properly Rinsed

6684

YES NO N/A

30. Accurate Measurement

6604

YES NO N/A

31. Ground Water Protection

6487.1-5

YES NO N/A

32. Wellhead Protection

6609

YES NO N/A

33. Dormant Insecticides

6960

YES NO N/A

TOTAL

TOTAL

**COMPLIANCE ACTIONS:**

Cease and Desist Order 11737 / 11897 / 13102

☐ YES ☐ NO

Follow-up Required

☐ YES ☐ NO**COMPLIANCE ACTIONS, (Continued):**

Correct Noncompliances By:

**Remarks - Include a detailed description of noncompliances. When additional space is required, continue on Inspection Report / VN Supplement, PR-ENF-111.**

INSPECTOR (Print Name)

Signature

TIME AND DATE INSPECTED

# (C.C.R. 6602) Labeling Available at Use Site

- California Department of Pesticide Regulation Enforcement Letter 06-13 states:
- “DPR has determined any document that is an accurate depiction of the directions, restrictions, and precautions on the registered labeling is acceptable for complying with 3 CCR section 6602. This includes specimen labels, CDs, labeling downloaded from a registrant Web site or Crop Data Management System, photocopies, or photographs. If a CD or similar technology is used there must be a means to view the content at the site. ***It is the responsibility of the user to ensure that the labeling he or she brings to the site is a true and accurate reflection of the currently registered labeling.***

# (C.C.R. 6726) Emergency Medical Care Posting. (Applies to Everyone Handling Pesticides)

- Remember an emergency medical care posting must be placed in a prominent place at the work site or on the work vehicle.
- Medical care information in an employee's wallet or in the glove compartment of the work vehicle does **NOT** meet the requirements of this regulation and could lead to a non-compliance.

**EMERGENCY MEDICAL CARE IS AVAILABLE TWENTY-FOUR (24) HOURS  
A DAY AT THE FOLLOWING FACILITIES:**

<u>HOSPITAL</u>	<u>ADDRESS</u>	<u>PHONE</u>
SETON MEDICAL CENTER	1900 Sullivan Ave. Daly City	991-6892
KAISER	1200 El Camino Rl. South San Francisco	742-2511
SETON MEDICAL CENTER	Marine Blvd. & Etheldore Moss Beach	563-7114
PENINSULA	1783 El Camino Rl. Burlingame	696-5500
SAN MATEO COUNTY GENERAL	222 W. 39th Avenue San Mateo	573-2671
MILLS MEMORIAL (Standby ER)*	100 S. San Mateo Dr. San Mateo	696-4500
KAISER	1150 Veterans Blvd. Redwood City	299-2200
SEQUOIA	170 Alameda Whipple Ave. & Alameda Redwood City	367-5541
STANFORD	300 Pasteur Dr. Palo Alto	723-5111

THE EMPLOYER SHALL MAKE **PRIOR** ARRANGEMENTS FOR EMERGENCY MEDICAL CARE FOR ALL EMPLOYEES HANDLING PESTICIDES AND SHALL POST IN A PROMINENT PLACE AT THE WORK SITE THE NAME, ADDRESS AND TELEPHONE NUMBER OF THE PHYSICIAN, CLINIC OR HOSPITAL EMERGENCY ROOM PROVIDING CARE.

**IMMEDIATE MEDICAL EMERGENCY:** Dial **911**  
SAN FRANCISCO BAY AREA POISON CENTER: 1-800-523-2222

# (C.C.R. 6678) Service Container Labeling ( *Applies to Everyone Handling Pesticides* )

- 6678. Service Container Labeling.
- Service containers, such as backpack spray tanks, large container tanks mounted on a vehicle, hand held spray containers etc., must have the following information attached to it:
  - (a) The name and address of the person or firm responsible for the container;
  - (b) The identity of the pesticide in the container; and
  - (c) The signal word "Danger," "Warning," or "Caution," in accordance with the label on the original container.

# (C.C.R. 6630) Equipment Identified (Only Applies to PCBs and MGs/Pest Control Businesses)

- PCBs and MGs must identify each vehicle that is used for mixing and applying pesticides as follows:
- Identification on each vehicle must be readable at a distance of 25 feet and must include
- 1) The Business Name
- 2) OR the pest control business license number (from CDPR) and a statement such as “Licensed Pest Control Operator” or similar wording.



# (C.C.R. 6628) Negative Use Reports

## (Only Applies to PCBs and MGs)

- According to CCR 6628, all licensed pest control businesses (agricultural/structural pest control businesses and landscape maintenance gardeners) MUST submit a “Negative Use Report to the respective county where they are registered to apply pesticides ***EVEN IF*** no pesticides were used for the entire month. These use reports like regular use reports must be submitted by the 10<sup>th</sup> of the following month.
- This code section does **NOT** apply to CITIES, CEMETERIES, GOLF COURSES or GROWERS.

# **CalAgPermits and On-Line Pesticide Use Reporting**

San Mateo County Department of  
Agriculture/Weights and Measures

# [www.CalAgPermits.org](http://www.CalAgPermits.org)

- Internet based program
  - Used by all California County Agriculture Departments
  - San Mateo County started using the Cal Ag permit system in September 2011.
- Used For Permit Issuance
  - Maps connected to sites, Utilizes new GIS features
- Pesticide Use Reporting

# Users of CalAgPermits

- The following entities must report their pesticide use under CCR 6626 (Production Agriculture) & 6627 (Everyone else):
  - Growers (production agriculture)
  - Municipalities, Golf Courses, & Cemeteries (non-production agriculture)
  - Agricultural Pest Control Companies
  - Maintenance Gardeners
  - Structural Pest Control Companies

# Requesting a Username & Temporary Password from San Mateo County Dept. of Agriculture

- You can call us at (650) 363-4700 with your request and we can fax you the request form to fill out or you can stop by our office and pick up the form. OR:
- Send us an e-mail requesting a User Name and temporary password. The e-mail will be routed to a district biologist who will guide you through the process.
- Our Email Address: [smateoag@smcgov.org](mailto:smateoag@smcgov.org)

If we are your home county, you can call your district biologist at our phone number (650) 363-4700. We cannot help you with setting up a user name and password for other counties. For that you need to contact their county offices. Remember the user name and password is unique to each individual county agricultural commissioners office.

Department of Agriculture/Weights and Measures



COUNTY OF SAN MATEO

BOARD OF SUPERVISORS

Dave Fine  
Carole Groom  
Don Horsley  
Rose Jacobs Gibson  
Adrienne Tissier

Fred W. Crowder  
**Agricultural Commissioner**  
**Sealer of Weights & Measures**

726 Heller Street • P.O. Box 999 • Redwood City, California 94064-0999 • (650) 363-4700 • FAX 367-0130 • [www.co.sanmateo.ca.us/agwm](http://www.co.sanmateo.ca.us/agwm)

ON-LINE PESTICIDE USE REPORTING REQUEST FORM  
FOR [WWW.CALAGPERMITS.ORG](http://WWW.CALAGPERMITS.ORG)

Please fill in the following information to request your username and password for CalAgPermits. This form may be returned to your district biologist, faxed to (650) 367-0130, or emailed to [smateoag@co.sanmateo.ca.us](mailto:smateoag@co.sanmateo.ca.us) (subject line: CalAgPermits login request).

Company Name: \_\_\_\_\_

First Name: \_\_\_\_\_

Last Name: \_\_\_\_\_

e-Mail: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_

State/Zip: \_\_\_\_\_

Phone: \_\_\_\_\_

Company Type: \_\_\_\_\_  
(Grower/PCO/Structural/Maintenance Gardener)

Permit /Operator ID No./License No.: \_\_\_\_\_

User Name: \_\_\_\_\_  
(Company name if left blank)



# COUNTY OF SAN MATEO

## AGRICULTURE / WEIGHTS AND MEASURES

[View All Departments](#)[Agricultural Programs ▼](#)[Weights and Measures ▼](#)[Agricultural Crop Report ▼](#)[About Us](#)

## DOES YOUR GARDENER APPLY PESTICIDES?

### FARMER'S MARKET



FIND YOUR NEAREST FARMER'S MARKET! »



### PESTS



### AGRICULTURAL PROGRAMS



### Agriculture/Weights & Measures

728 Heller Street

Redwood City, CA 94064

Phone: (650) 363-4700

Fax: (650) 367-0130

[smateoag@smcgov.org](mailto:smateoag@smcgov.org)

### Field Offices

- Half Moon Bay  
(650) 726-2514
- San Bruno  
(650) 877-5762

## CUSTOMER SATISFACTION SURVEY

[Read more](#)

The San Mateo County Department of Agriculture/Weights and Measures is a regulatory and informational agency serving agriculture, industry and the community. The **County Agricultural Commissioner/Sealer of Weights and Measures** is the local enforcement authority for the California Department of Food and Agriculture and the





## COUNTY OF SAN MATEO

# AGRICULTURE / WEIGHTS AND MEASURES



Agricultural Programs ▼

Weights and Measures ▼

Agricultural C

Pesticide Regulation

Pest Detection

Pest Exclusion

Produce Market Inspection

Certified Farmers' Markets

Pests

San Mateo County Weed Management Area

Agricultural Links



FIN  
FARMER'S MARKET



## UR GARDENE







# COUNTY OF SAN MATEO

## AGRICULTURE / WEIGHTS AND MEASURES



Agricultural Programs ▼

Weights and Measures ▼

Agricultural C

Home ► Agricultural Programs

## Regulating Pesticide Use

### Pesticide Regulation

Pesticide Related Links

Maintenance Gardener Licensing

The Pesticide Use Enforcement Program provides information to applicators, field workers, and the environmental enforcement of state and federal laws and regulations.

Department Biologists:

- provide information and training to workers, on the safe use of pesticides;
- monitor pesticide applications at both urban and rural areas to ensure that applications are performed in a safe and effective manner and that all applicable regulations are followed;
- inspect application equipment, pesticide storage, and handling practices.

## **Registration for Pest Control Companies, Pest Control Advisors and Farm Labor Contractors**

[Pest Control Business Registration Instructions](#)

[Pest Control Business Registration Instructions](#)

[Pest Control Business Registration Instructions](#)

[Pest Control Business Registration Instructions](#)

[Pest Control Company-Branch 1 Registration Instructions](#)

[Pest Control Company-Branch 1 Registration Instructions](#)

[Pest Control Company-Branch 2 & 3 Registration Instructions](#)

[Pest Control Company-Branch 2 & 3 Registration Instructions](#)

## **Renewal and Restricted Materials Permits**

[Pest Control Business Renewal Instructions](#)

[Pest Control Business Renewal Instruction](#)

[Pest Control Business Restricted Materials Permits](#)

[Pest Control Business Restricted Materials Permits](#)

[Pest Control Business Restricted Materials Permits](#)

[Pest Control Business Restricted Materials Permits](#)

## **Reporting**

[Pest Control Business Reporting Website](#)

[Pest Control Business Reporting Website](#)

[Pest Control Business Reporting Website](#)

[Pest Control Business Reporting Website](#)

## **Pest Control Applicators Exam**

San Mateo County Agricultural Commissioners will no longer proctor the Branch 2/3 applicator license exams. Applicants will have to take their exams at a testing center.

The Structural Pest Control Board (SPCB) Operator and Field Representative license exams. There are no testing centers in San Mateo County.

For more information on Structural Pest Control Exam locations, visit the Structural Pest Control Board website at [http://www.spcb.org](#).

# Steps to Log on

- Go to [www.calagpermits.org](http://www.calagpermits.org)
- Type in your username and temporary password.
  - Usernames and Passwords are case-sensitive
- Change your temporary password.
- Set-up your security questions.
  - Allows you to reset your password without calling our office.

# CalAgPermits Public User Home Page



San Mateo

[Home](#) [Product Lookup](#) [PUR/NOI Query](#) [RMP - Op-ID](#) [Pesticide Use Report](#) [Help](#)

Active Permit:  
Active Site:

You are logged in as: ABC GROWERS  
[Resume my login](#) [Change Password](#) [Change Q and A](#) [Logout](#)

## Welcome

### Ag PURs



Enter a new 7 Day Job Report for Commercial Applicators

Enter a new Monthly Report for Grower Applications

### MSPURs



Enter a new Structural Monthly Summary report (MSPUR)

Enter a new Non-structural MSPUR

Enter a new Zero Usage Report

### NOIs



Enter a new Notice of Intent

### Permits



Select Permit for viewing

4100380: ABC GROWERS

[View Permit](#)

### CEDTS



Upload pre-formatted CEDTS data

### Help and Training



[Training Videos](#)

[FAQs Under Construction](#)

### My Licenses and Certifications - Koren Widdel ABC GROWERS

License/Cert. #	Type	Expiration	Registered On
No records to display.			

### My PUR/NOI Activity

Report Type	Drafts	Submitted	County Entered	Sent to DPR
Ag. Job Reports	0	0	0	0
Ag. Monthly Reports	0	0	0	0
MSPURs	0	0	0	2
NOIs	0	0	0	

### Useful Links

[California Department of Pesticide Regulation](#)

- [Pesticide Use Reporting \(PUR\) Forms](#)
- [Licensing and Certification Program](#)
- [DPR News and Publications](#)
- [Restricted Materials Use Requirements](#)

[CalAgPermits Contact Information](#)

[Contact Tech Support](#)

# Data Entry Screen

## MSPUR – Non-Ag., Non-production Ag. Monthly Summary Pesticide Use Report

Report Status:

Submittal Status:

Submit Report

Save Draft

Cancel

Operator License #

OR

Permit #

Type a Permit # or Name

Report Month/Year

MM

YYYY

Negative Use Report

☐

Document #

Auto Assigned

Document #

Operator Name

Address

Phone

License #

Permit #

County

41 San Mateo

Report Month/Year

/

Total Applications

Line #

Product EPA Number/Name

Type a code or name

Total Product Used

choose one...

No. Applications

Commodity Treated

Type a code or name

Save Line

Clear Line

Line

EPA / Calif. Reg. No.  
From Label

Product Name

No. of  
Appl.

Total  
Used /  
Units

Commodity Treated

Area  
Treated /  
Units

No records to display.

# Finding your records using the PUR/NOI list



San Mateo

[Home](#) [Product Lookup](#) [PUR/NOI Query](#) [RMP - Op-ID](#) [Pesticide Use Report](#) [Help](#)

Active Permit:  
Active Site:

You are logged in as: ABC GROWERS

[Change Password](#) [Change Q and A](#) [Logout](#)

## Pesticide Use Reports

### Status Abbreviations

Source: **WBC**-County Web User | **WBP**-Public Web User | **DSK**-Desktop Application | **ASC**-Uploaded ASCII | **XML**-Uploaded XML  
Report Status: **INC**-Incomplete | **ERR**-Errors | **OK**-Ok | **PND**-Pending DPR Validation | **REJ**-DPR Rejected | **ACC**-DPR Accepted  
Submission Status: **DFT**-Not Submitted | **CTY**-Entered by County | **SUB**-Submitted to County | **DPR**-Submitted to DPR  
Neg. Use: **U**-Report Includes Product Use | **N**-Report Does Not Include Any Product Use (Negative Use Report)

Applications From: 1/1/2010 To: 10/24/2012 Time Stamped Within: No Date Limit

Document #: Find CDPR Batch: (MMYY##)

☐ Exclude Successfully Validated Reports ☒ Exclude Deleted Reports [Clear All Filters](#) [Export](#)

[Notices of Intent](#) | [Add New](#) [Single Job PURs](#) | [Add New](#) [Monthly Ag PURs](#) | [Add New](#) [Non-Prod. Ag MSPURs](#) | [Add New](#)

Drag a column header and drop it here to group by that column

Src	Permit #	License #	Operator Name	Month/Year	Neg. Use	Rpt Stat	Sub Stat	Entered By	
ASC	4100380	4100380	ABC GROWERS	1/2010	U	ACC	DPR		<a href="#">View</a>
ASC	4100380	4100380	ABC GROWERS	1/2010	U	ACC	DPR		<a href="#">View</a>

[K](#) [<](#) [1](#) [>](#) [>](#) Page size: 20

2 items in 1 pages

# Printing and Saving Reports

CACASA APP

www.calagpermits.org/PURMonthlySummary.aspx

Customize Links Free HTML Windows Marketplace Windows Media Windows Imported From IE

**CalAgPermits**

Home Product Lookup RMP - Op-ID Pesticide Use Report Help

Active Permit:  
Active Site:

You are logged in as: ABC GROWERS  
[Change Password](#) [Change Q and A](#) [Logout](#)

Report Status: Ok  
Submital Status: Submitted to County  
Submitted to County: 10/5/2011 10:16:36 AM

Document #	SPCB Stamp #			
WEB111015257				
Operator Name	Address	Phone		
ABC GROWERS	722 HELLER ST., REDWOOD CITY 94060	(909)999-9999		
License #	Permit #	County	Report Month/Year	Total Applications
4100380	N/A	41 San Mateo	8 / 2011	5

Line	EPA / Calif. Reg. No. From Label	Product Name	No. of Appl.	Total Used / Units	Commodity Treated	Area Treated / Units
1	524-475-2A	ROUNDUP PRO HERBICIDE	5	5 Ounce	30 LANDSCAPE MAINT	

Report Prepared By: \_\_\_\_\_ Date: \_\_\_\_\_

[Print](#) [Return to PUR List](#)

print1015257.pdf - Adobe Acrobat Pro Extended

File Edit View Document Comments Forms Tools Advanced Window Help

Create Combine Collaborate Secure Sign Forms Multitouch Comment

1 / 1 100% 92.4%

Type a question for help

**MSPUR Non-Ag, Non-Prod Ag Monthly Report**

Report Status: Ok  
Submital Status: Submitted to County  
Submitted to County: 10/5/2011 10:16:36 AM

Document #	SPCB Stamp #			
WEB111015257				
Operator Name	Address	Phone		
ABC GROWERS	722 HELLER ST., REDWOOD CITY, CA 94060	(909)999-9999		
License #	Permit #	County	Report Month/Year	Total Applications
4100380	N/A	41 San Mateo	8/2011	5

Line	EPA / Calif. Reg. No. From Label	Product Name	No. of Appl.	Total Used / Units	Commodity Treated	Area/Units Treated
1	524-475-2A	ROUNDUP PRO HERBICIDE	5	5 OZ	30 LANDSCAPE MAINT	

# 2<sup>nd</sup> Generation Anticoagulant Rodenticides (SGARs)

- 2012 U.S EPA placed prohibitions on sales and labeled uses of second generation anticoagulant rodenticides (SGARs) in and around structures and in 2013 cancelled numerous products.
- Due to potential hazards to non-target wildlife, California passed regulations to make the remaining registered products restricted materials effective July 1<sup>st</sup>, 2014.
- The 4 (SGARs) active ingredients that are now California restricted materials are:
  - 1) Brodifacoum
  - 2) Bromadiolone
  - 3) Difenacoum
  - 4) Difethialone
- F.Y.I., all California restricted materials can be viewed on DPR's website within its search engine as: 3 C.C.R. 6400.



# Common Trade Names

- Brodifacoum (20 active products) : *Final Weather Blox, Talon G Rodenticide, Weatherblox XT Rodenticide*
- Bromadiolone (37 active products): *Contrac All Weather Blox, Maki Mini Blocks, Contrac Rat and Mouse Bait*
- Difenacoum (7 active products): *Victor V Multi Kill Brand Blocks II*
- Difethialone (12 active products): *Generation Mini Blocks, First Strike Soft Bait*

# 2nd Generation Anticoagulant Rodenticides (SGARs)

- DPR analyzed wildlife incident and mortality data between 1995 and 2011. Also analyzed were rodenticide use and sales between 2006 and 2010. The data showed that exposure and toxicity to non-target wildlife from second generation anticoagulant rodenticides was a statewide problem.
- Ex: Of the 492 animals (various wildlife) analyzed between 1995 and 2011, approximately 73% had residues of at least one (SGAR).
- The data did not link specific uses, or location of use of (SGARs) whether it was due to type of users or whether it was indoors or outdoors.

## 2nd Generation Anitcoagulant Rodenticides (SGARs)

- Brodifacoum, Bromadiolone, Difenacoum and Difethialone are also tied into 3 C.C.R. 6471 which is now in place and prohibits placing any of these 4 above ground baits **MORE** than 50 ft. from a man-made structure, **UNLESS** there is a feature associated with the site that is harboring or attracting the pest that happens to be in-between the 50 ft. limit and the placement limit on the pesticide label, which usually is 100 ft.

# 2nd Generation Anitcoagulant Rodenticides (SGARs)

- Brodifacoum, Bromadiolone, Difenacoum and Difethialone are labeled only for control of 3 rodent species:
- 1) Norway rats
- 2) Roof rats
- 3) House mice
- 2<sup>nd</sup> Generation SGAR labels explicitly prohibits use against any other pest species
- There are currently 76 registered products containing these 4 active ingredients (restricted materials).

# 1<sup>st</sup> Generation Anticoagulant Rodenticides (FGAR)

- First Generation Rodenticides with active ingredients such as Chlorophacinone, Diphacinone and Warfarin are **NOT** California Restricted Materials.
- (FGARs) do not have as long of a half life in an animals' tissue as (SGARs).
- Example: According to a U.S. EPA study, the persistence of anticoagulants in the liver tissue of animals tested were as follows:
  - 1) Brodifacoum 217 days
  - 2) Bromadiolone 248 days
  - 3) Difethialone 118 days
  - 4) Diphacinone 90 days
  - 5) Warfarin 35 days

# Standard Language found on all Anticoagulant rodenticides

- The following statements or statements similar are found in the “Directions For Use section of a label.”
- *“Requires bait stations for outdoor above ground use”*
- “Must be placed in out of reach areas OR Tamper resistant bait stations must be used if children, pets, non-target mammals or birds may access the bait”

# Bagrada Bug information

- Bagrada Bugs are stink bugs that belong to the Hemiptera (True Bug) Order. Stink bugs release a foul smelling liquid from their thorax whenever they feel threatened.
- They feed primarily on mustard greens and sweet alyssum of the mustard family, but can be a serious pest of other mustard family crops such as cabbage, cauliflower, broccoli, kale and turnip.
- They are native to Africa and have spread to India, Pakistan, Italy and parts of Southeast Asia.
- The first U.S. find was made in L.A. County in 2008. In 2013, it was found in Fresno, Tulare and Monterey counties.
- In August 2014 it was found in Redwood City

From left to right *Harmonia axyridis*,  
*Bagrada hilaris*, *Mormidea pama* (found  
primarily on grass species and native to  
Florida) and *Murgantia histrionica*





# Bagrada Bug



# Bagrada Bug information

- Bagrada Bugs have multiple generations throughout the year and generally peak in the late summer and fall.
- They are 5-7 mm long and are about 2-3 mm in width at their widest part.
- Multiple insecticide treatments are usually necessary to control the insect. Organic farmers usually will use covers to protect seedlings since Bragada bugs wait until germination to go after the leaves of seedlings.
- These insects tend to bury their eggs in the soil which lessens the chance of beneficial insects such as wasps from parasitizing the eggs.
- They are considered to be established in this county as well as other counties throughout the state, therefore state (CDFA) actions will not be implemented.

# Asian Citrus Psyllid

- A small insect that is the size of an aphid at approximately 1/8 of an inch long.
- It can transmit a bacterial disease called Huanglongbing (HLB) or citrus greening disease which is fatal to citrus trees.
- The state of California has a 1.8 billion dollar citrus industry.
- California's citrus industry ranks 1<sup>st</sup> in the U.S. in terms of value and second (after Florida) in terms of production
- California is the main source (80%) of fresh market oranges and supplies 87% percent of the nation's lemons.



## Adult Asian Citrus Psyllid

Psyllids lay their eggs on growing shoots on and between young and unfurling leaves.

A female psyllid can produce as many as 300 to 800 eggs in their lifetime.

Nymphs pass through 5 instars

Adults may live for more than a month and typically there are 9 to 10 generations per year.

# Huanglongbing (HLB) or citrus greening disease

First symptoms are yellowed leaves, which are similar to citrus plants with nutritional deficiencies. The HLB mottling effect, however is NOT the same on both sides



Fruit exhibiting the greening effect. Other fruit symptoms include lopsided and small fruit. Premature and excessive fruit drop has also been seen.



# (HLB)

- On February 9, 2015, U.S. Secretary of Agriculture Tom Vilsack announced \$30 million in funding for 22 projects to help combat (HLB).
- Projects will be a combination of short term and long term solutions. Ex: *Thermotherapy (the application of heat)* to help regain productivity to HLB infected trees, using dogs to detect HLB infected trees, lowering the pH levels in irrigation water and soil to strengthen the root systems, insect traps used to attract and kill (ACP) adults, etc.
- In addition to these projects, the USDA's National Institute of Food and Agriculture funded more than \$23 million dollars for research and education projects to find lasting solutions to (HLB).



# (HLB) continued

- Commercially produced fruit (no leaves or stems) is not regulated because even if the fruit is infected with (HLB), the bacteria cannot be transmitted without the Asian Citrus Psyllid present on the fruit itself. Psyllids that might be present on the fruit, are removed through the typical commercial fruit cleaning process. Also, psyllids do not feed on the fruit.
- Citrus shipments with leaves and stems still attached, will be tested for (HLB) and may be rejected without proper certification or if the sample tests positive.
- Backyard fruit that is moved from one area to another is more at risk, because there is a chance that the fruit was not thoroughly cleaned leaving the opportunity that an active psyllid might be present and hitchhike its way through.

# Tips to help fight the movement of the Asian Citrus Psyllid and (HLB)

- Please hold back from ordering citrus fruit (mainly plants) originating from Florida or any other states as well as Mexico and Asia.
- Please limit the movement of citrus plants or plant material in or out of your area, or across state or international borders.
- Cooperate with your local agricultural commissioners office when our pest detection specialists wish to place yellow sticky panel traps on your citrus plants to monitor for the Asian Citrus Psyllid.
- If you suspect your tree has the psyllid or the disease, you can call the California Department of Agriculture at 1-800-491-1899 or call us (your local ag. Commissioners office).
- County of San Mateo Ag. Commissioners office (650) 363-4700.



# School IPM information

- For information about California School IPM go to: [www.cdpr.ca.gov/schoolipm](http://www.cdpr.ca.gov/schoolipm)
- There are now 11 informational videos on school IPM. You can view the videos on YouTube. Just type in “Integrated Pest Management for Schools” in the YouTube search engine. You will see the videos are posted by California Pesticides (CDPR) with the “DPR logo.”